



Brunswick School and Greenwich Academy



Course Catalogue 2026 - 2027

This publication is jointly issued by Brunswick School and Greenwich Academy. Each school operates as a separate, independent educational institution, with its own course offerings, student enrollment, Faculty, Administration, and governing bodies.

Consistent with each school's existence as an independent legal entity, Brunswick School grants certain rights and privileges to those students who are duly enrolled at Brunswick; likewise, Greenwich Academy grants certain rights and privileges to its students.

**Brunswick School
and
Greenwich Academy**

**COURSE CATALOGUE
2026-27**

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BRUNSWICK SCHOOL & GREENWICH ACADEMY

Brunswick School and Greenwich Academy are college-preparatory schools. Mindful of their responsibility to provide their students with a rigorous academic program and at the same time to recognize individual talents and special interests, both schools coordinately maintain a strong and balanced offering of required and elective subjects. Honors and Advanced Placement sections in many courses provide qualified students with special challenges, while elective courses available in most disciplines furnish enrichment and variety in traditional academic areas and in art, drama, dance and music.

Statements of each Department's requirements and philosophy and complete descriptions of core and elective courses are provided in the following pages.

Note that both Brunswick and Greenwich Academy reserve the right to cancel any course because of under-enrollment. Registrants in any canceled course will be notified as early as possible.

A minimum of **five academic courses** is required for all students. Those students proposing a program of six or more full-credit courses that include honors and Advanced Placement must have the permission of the Head of the Upper School for Greenwich Academy students or the Academic Dean for Brunswick students.

Students from Brunswick and Greenwich Academy enroll in courses on both campuses, schedule and numbers permitting. Both schools share a common academic schedule with hour-long classes and ten-minute passing time between classes. Students are expected to honor the rules of both schools as outlined in their respective handbooks.

Brunswick School and Greenwich Academy share a view that exams are crucial assessments for understanding the material and academic placement.

All academic classes will have a mid-year and final exam component.

Shared Graduation Requirements

ENGLISH:	Four years
HISTORY:	Three years (including Modern World History and U.S. History)
MATHEMATICS:	Three years (including Geometry)
SCIENCE:	Three years (Biology and Chemistry or Physics)
WORLD LANGUAGES & CLASSICS:	Completion of Level III in one language at GA Three years at BWK
ARTS:	One year (both semesters in a studio or performance course) at GA Two years at BWK
PHYSICAL EDUCATION:	Four years
HEALTH:	One half-year

Additional Brunswick School Graduation Requirements

COMPUTER SCIENCE:	One half-year at BWK
ETHICS:	One quarter-year at BWK
PUBLIC SPEAKING:	Senior Voice at BWK
FRESHMAN SEMINAR:	One half-year at BWK
SOPHOMORE VT PROGRAM:	1 week of Sophomore Year
ROADMAP for LIFE:	One half-year Senior Year at BWK

Typical Recommended Four-Year Sequence of Courses

The sequence outlined below, while typical, is not fixed. Other options, permitting stronger emphasis in a particular subject area (e.g., Language, History, Science) are also open to students.

9 TH GRADE	10 TH GRADE	11 TH GRADE	12 TH GRADE
English 9	English 10	English 11	English 12 electives
Modern World	U.S. History	History elective	History elective
Geometry	Algebra II	Precalculus	Adv. Mathematics
Biology	Chemistry	Physics	Science elective
Languages	Languages	Languages	Languages
Arts or Comp Sci (BWK)	Arts or Comp Sci (BWK)	Arts or Comp Sci (BWK)	Arts or Comp Sci (BWK)
Health (GA: ½ year) 9th Grade Seminar (BWK ½ year)	Health (GA & BWK: ½ year) BWK: 1 week VT Program	Ethics (BWK: ¼ year)	BWK: Senior Voice BWK: Roadmap for Life

HONORS COURSES

Honors courses are significantly more rigorous than regular courses, and student work is expected to show greater depth, more sophisticated reasoning, academic independence and higher creativity than the work in regular courses. Almost all departments offer Honors courses that carry extra credit included in computing Honors. Students need specific departmental recommendation to take Honors courses. A student may, at the teacher's discretion, lose Honors status at any point during the year. Students do not, however, have the prerogative to opt out of an Honors course after the designated drop/add period.

ADVANCED PLACEMENT COURSES

Advanced Placement (AP) courses are college-level courses offered chiefly in grades 10 through 12. Almost all departments offer AP courses that carry extra credit included in computing GPA's. A sufficiently high score on an AP examination may allow the student to earn credit in the college he or she eventually attends. Students enrolling for any AP course **must take** the AP Examination in that course—even if they have already been accepted to college.

Students are carefully selected for AP courses according to the following criteria:

- teacher recommendation;
- grades in prerequisite courses;
- consideration of the student's total academic load;
- other specific departmental requirements (see appropriate section).

Students may not take more than three AP courses in a given year without permission of the Head of the Upper School for Greenwich Academy students or the Academic Dean for Brunswick students. The work of a typical AP course involves homework of an hour or more each night. A student may, at the teacher's discretion, lose AP status at any point during the year. Students do not, however, have the prerogative to opt out of an AP course after the designated drop/add period. Colleges will be notified of any change in a student's AP status.

AP and Honors courses may, at the sole discretion of a given school, receive an additional 5 points (honors bonus) when calculating semester averages. Students should contact the Academic Dean on their respective campus to determine if a given course is awarded an honors bonus before electing to pursue that class.

HONORS SEMINARS

Honors Seminars are designed as post-AP courses, intended to allow students to demonstrate mastery in a particular discipline. They represent the highest level of scholarship in their respective subject matter and, as such, require unique commitment and rigor on the part of students.

DISTINCTION IN CLASSICS

In recognition for having successfully completed three years of Latin in the Upper School, including one AP level Latin course and two years of classical Greek, Brunswick students are awarded a Classics diploma written in Latin. Greenwich Academy students who have completed the equivalent course of study are formally recognized at the Senior Honors Convocation.

INDEPENDENT STUDY

Independent projects, in which students do considerable work on their own without the constant supervision of the teacher, are sometimes available. Subject to administrative and departmental approval, and working with a designated faculty sponsor, students will receive full or partial course credit for their work. An independent study cannot be used to fulfill the required minimum of five academic courses per semester.

OFF-CAMPUS STUDY

Brunswick School and Greenwich Academy sponsor a variety of off-campus study options that give students the opportunity to discover new cultures, engage in site-specific study and, in the case of studying abroad, speak a foreign language in full immersion with homestay programs. An array of experiences is offered domestically and abroad during the year, each of which offers intense academics, consistent with Brunswick and Greenwich Academy's academic program. Please consult the schools' websites for more information on these exciting educational opportunities.

Over the course of sophomore year, each Brunswick student will spend one week at the Randolph Campus (VT). While away they will stay current with their academic work at home (though not be responsible for missed assessments). In Vermont students will participate in service, experiential education, expeditions and lessons in self-knowledge, character and leadership. Selected seniors leaders will also attend. Attending students and their advisors will coordinate with teachers so as to best plan for class sessions missed while away.

GLOBAL ONLINE ACADEMY

Global Online Academy is a partnership consisting of select exemplary independent schools from around the world that have come together to offer a diverse array of online courses. These courses are designed with a focus on academic rigor, collaboration, innovation and development of key 21st-century learning skills. Sophomores, Juniors and Seniors may enroll in a GOA course as part of the registration process. Guidelines and the GOA course offerings are included at the end of this catalogue and can be found at: <https://globalonlineacademy.org/student-program/student-courses>

BRUNSWICK EXTENDED CURRICULUM

FRESHMAN SEMINAR

Freshman Seminar is a requirement for all Brunswick students, to be completed during the first semester of freshman year. The design of the program is to connect 9th graders with veteran faculty members in a once-a-week conversational class. Topics covered will include mental health and handling stress, healthy habits and hygiene, equity and inclusion, academic integrity, positive psychology, and drugs and alcohol. Much of the work also has to do with learning to navigate the Upper School and assisting the “on-boarding” of our 9th graders. Additionally, the boys will be given the chance to sit with senior students and hear about their Brunswick experience in the Upper School.

HEALTH

Health is a requirement for all Brunswick students, to be completed during one semester of sophomore year. Meeting twice a week (with sections running in the fall and spring semesters), this course provides essential information and a discussion forum for some of the critical issues tenth graders face. The curriculum covers such topics as nutrition, stress and anxiety, substance abuse, masculinity, sexual education and healthy relationships. Students will meet in small, informal discussion sessions where they are able to explore these relevant issues. We believe that through these classes the boys will get to know themselves better, learn important information, and gain helpful skills to navigate their adolescent years.

CHARACTER AND ETHICS

Character and Ethics is a requirement for all Brunswick students, to be completed during one quarter in the fall semester of junior year. Meeting twice a week (with sections running in the first and second quarters), the objectives of the class are to make Brunswick’s Character Continuum a part of our academic curriculum and to have boys self-identify as ethical thinkers while gaining self-knowledge. Exploring case studies, simulations and relevant articles, the class will encourage discussion, debate, and the opportunity for boys to take positions on such issues as the bystander effect, social influence, business ethics, bias and moral authority. This class will serve as a starting place for Brunswick boys to continue their examination of crucial issues of ethics, character and leadership, and the decisions that confront us in less than ideal circumstances.

ROADMAP for LIFE

Roadmap for Life is the senior-year course at the Brunswick School, inspired by Ed Hajim’s The Island of the Four P’s. This course is the capstone of the Upper School Extended Curriculum courses and designed to equip students with essential tools for curiosity and self-discovery, so they may begin to consider possible life plans when they enter college. Through the exploration of passions, principles, partners, and plans, students will hone communication skills, learn to connect with others, and cultivate a mindset of lifelong learning. The course will meet six times during the spring semester, with an emphasis on preparing for Senior Career Day in April and culminating in their Senior Review session in May. Meeting in sections of 8-12 students, with occasional guest lectures, the class encourages our seniors to keep their minds open and their curiosity alive as they transition to college.

GREENWICH ACADEMY DISTINCTION PROGRAMS

CIVIC SCHOLARS

The mission of the Civic Scholars program at Greenwich Academy is to promote meaningful and substantial civic engagement and uplift the next generation of women leaders. Civic Scholars explore democracy through the lens of public policy, political science, and social organizations. Candidates for the distinction complete a course distribution and co-curricular requirement as well as 40 civic engagement impact hours and a ten-page research paper.

GLOBAL SCHOLARS

With the goal of preparing students to be active and engaged members of the increasingly global community, the Global Scholars program offers Greenwich Academy students a thematic, interdisciplinary approach to their education. The program requires, among other things, international travel and project-based scholarship and seeks to teach students skills in problem-solving, communication, analytical thinking, collaboration, adaptability and inclusion. Most students apply to the program in the spring of their Group IX year. Successful completion of the Global Scholars program requires well-roundedness across the curriculum, the design of a digital portfolio, at least two weeks of study or project work outside of the United States and a capstone project to be completed during senior year.

THE SOMERVILLE SCHOLARS

The Somerville Scholars is a course of scholarship for students wishing to dedicate themselves to and distinguish themselves in the study of English. The program asks students to engage in reading and literary discussions well beyond the scope of the standard English curriculum. Somerville Scholars will design their junior and senior year English study in concert with the program, including taking the Honors English Seminar. The Somerville Scholars will work closely with English department faculty on such cocurricular pursuits as additional summer reading and participation in a Summer Institute, attendance at community literary events, and leadership of such events on campus. Students must apply for admission to the Somerville Scholars in the spring of their sophomore year.

EXPEDITION COURSES

In several disciplines, Greenwich Academy offers Expedition Courses in which academic study is enriched and deepened by an extended class trip. The class expedition -- whether it's traveling to landmarks of the Civil Rights Movement or participating in authentic conservation biology research -- is an essential part of the course. For these classes, financial aid is available so that students have an equal opportunity to participate.

NEW COURSES

DEPARTMENT	ID	COURSE	TERM
Comp Sci-BWK	78211	CS-211: AP Cybersecurity	Full Year
Eng. & Comp Sci-GA	76603	Honors Seminar: Data Science	Full Year
English	14129	English XII: Angels and Demons	Full Year
	14130	English XII: Dystopian Literature	Full Year
	14132	English XII: Irish Literature	Full Year
History & Social Sciences	38411	AP Business and Personal Finance	Full Year
	38510	Reliving the Past! Historical Simulations and Games	Full Year
	36481	International Relations (f)	Fall Semester
	36414	Modern Middle East (s)	Spring Semester
	38511	More Than Gold: The Olympics and the Politics of Sport (f)	Fall Semester
	38512	More Than Gold: The Olympics and the Politics of Sport (s)	Spring Semester
Languages	44516	Facing Challenges Across the French-Speaking World (s)	Spring Semester
	44401	French IV	Full Year
	44513	French Studies using Bandes Dessinées (f)	Fall Semester
	42520	Honors Seminar: Italian Studies	Full Year
Math-GA	26438	Honors Seminar: Abstract Algebra	Full Year
Science	56200	Cancer Biology (s)	Spring Semester
	56205	Cartography (s)	Spring Semester
	56033	Honors Organic Chemistry (f)	Fall Semester
	56400	Honors Science Research - Greenwich Academy	Full Year
	58064	Introduction to Waves and Optics (s)	Spring Semester
	58062	Medical Problem Solving I (f)	Fall Semester
	58063	Medical Problem Solving II (s)	Spring Semester
	58065	Modern Physics (f)	Fall Semester
	56210	Planetary Science (s)	Spring Semester
	56300	Summer: Honors Field Ecology Research (f) - Greenwich Academy	Fall Semester
Visual & Performing Arts	66640	AP Studio Art I: Guided Material Exploration (GA)	Full Year
	66641	AP Studio Art II: Self-Directed Portfolio (GA)	Full Year
	66621	Creative Technologies: 3D Building (f)	Fall Semester
	66622	Creative Technologies: 2D Digital Fabrication (s)	Spring Semester
	68356	Honors Modern Band II: Performance & Improvisation	Full Year
	68355	Modern Band I: Performance & Improvisation	Full Year

ONE-SEMESTER COURSES

DEPARTMENT	ID	FALL	ID	SPRING
Classics	45410	Latin V: Reading Latin Poetry (f)		
Comp Science - BWK	78111	CS-101: Introduction to Creative Computing (f)	78121	CS-101: Introduction to Creative Computing (s)
	78112	CS-102: Introduction to Web Design and Development (f)	78122	CS-102: Introduction to Web Design and Development (s)
	78113	CS-103: Introduction to Computer Science (f)	78123	CS-103: Introduction to Computer Science (s)
	78610	STEAM-101: The Coding Palette (f)	78611	STEAM-101: The Coding Palette (s)
Economics	36471	Everyday Economics (f)	36472	Behavioral Economics (s)
Eng. & Comp Sci - GA	76601	Introduction to Computer Science (f)	76621	Introduction to Computer Science (s)
General Electives	66560	American Film: Tortured Love (f)	66561	Beyond Hollywood: Tough Choices (s)
	39050	Public Speaking and Effective Communication (f)	49430	Future Cities (s)
History	36469	Criminal Justice (f)	38431	Cinema and Society (s)
	38501	History of Warfare: Ancient and Medieval World (f)	38422	Environmental History (s)
	36481	International Relations (f)	38504	History of Warfare: Development of Linear Warfare (s)
	38430	Modern American Society through Film (f)	38425	Leaders, Leadership, and Strategy (s)
	38511	More than Gold: The Olympics and the Politics of Sport (f)	36414	Modern Middle East (s)
	38502	The World at War (f)	38512	More than Gold: The Olympics and the Politics of Sport (s)
			38503	The Global Cold War (s)
Psychology	38478	Abnormal Psychology (f)	38477	Cognitive Psychology (s)
	38479	Sport Psychology (f)		
Science	58050	Cancer Biology (f)	56200	Cancer Biology (s)
	58041	Culinary Science I (f)	56205	Cartography (s)
	58039	Engineering I (f)	58042	Culinary Science II (s)
	58044	Geology (f)	58040	Engineering II (s)
	56033	Honors Organic Chemistry (f)	58033	Forensic Science (s)
	58038	Marine Biology (f)	58064	Introduction to Waves and Optics (s)
	58062	Medical Problem Solving I (f)	58063	Medical Problem Solving II (s)
	58065	Modern Physics (f)	56210	Planetary Science (s)
	56300	Summer: Honors Field Ecology Research (f) - Greenwich Academy		
	58041	Sustainability and the Environment (f)		
Visual & Performing Arts	66560	American Film: Tortured Love (f)	68145	Architecture & Design II (s)
	68143	Architecture & Design I (f)	68148	Art and Design II (s)
	68147	Art and Design I (f)	66561	Beyond Hollywood: Tough Choices (s)
	66621	Creative Technologies: 3D Building (f)	66622	Creative Technologies: 2D Digital Fabrication (s)
	66551	Introduction to Photography I (f) (GA)	66552	Introduction to Photography II (f) (GA)
	78610	STEAM-101: The Coding Palette (f)	78611	STEAM-101: The Coding Palette (s)
World Languages	43505	Espanol en Vivo: Spanish in the Community (f)	43506	Espanol de Negocios: Business Spanish (s)
	44513	French Studies using Bandes Dessinées (f)	44516	Facing Challenges Across the French-Speaking World (s)
	43524	La Cocina Hispana: Cuisine and Culture in Latin America (f)	43525	La Cocina Hispana: Cuisine and Culture in Latin America (s)
	43522	Origins of Hispanic Culture in Europe (f)	43523	Origins of Hispanic Culture in Europe (s)

Course Name	ID	Department (s)	Page (s)
Abnormal Psychology (f)	38478	History & Social Studies	41
Accelerated Algebra II	26201	Math GA	26
Accelerated Algebra II with Trigonometry	28205	Math BWK	23
Accelerated Calculus	28406	Math BWK	24
Accelerated Geometry	28101	Math BWK	22
Accelerated Geometry	26101	Math GA	26
Accelerated Precalculus	28301	Math BWK	23
Accelerated Precalculus	26302	Math GA	27
Acting I	68410	Arts	78
Algebra and Computational Geometry	28100	Math BWK	22
Algebra I	26010	Math GA	26
Algebra II	26200	Math GA	26
Algebra II with Trigonometry	28200	Math BWK	23
American Film: Tortured Love (f)	66560	Arts + General Electives	73, 88
AP African American Studies	36426	History & Social Studies	31
AP Art History	36467	History & Social Studies	32
AP Biology	51070	Science	59
AP Business and Personal Finance	38411	History & Social Studies	40
AP Calculus AB	28407	Math BWK	24
AP Calculus AB: Accelerated	26410	Math GA	28
AP Calculus AB: Honors	26415	Math GA	28
AP Calculus BC	28417	Math BWK	24
AP Calculus BC	26417	Math GA	28
AP Chemistry	52070	Science	59
AP Chinese Language & Culture - Expedition Course	47603	Language	46
AP Chinese Language and Culture	47602	Language	46
AP Comparative Government & Politics	36420	History & Social Studies	32
AP Computer Science A	76600	Eng & CompSci - GA	87
AP Computer Science Principles	76620	Eng & CompSci - GA	86
AP Economics	38407	History & Social Studies	40
AP English Language and Composition (s)	13011	English	16
AP English Literature and Composition	13010	English	15
AP Environmental Science	58178	Science	59
AP European History	32007	History & Social Studies	32
AP French Language & Culture	44607	Language	48
AP Human Geography	36419	History & Social Studies	32
AP Italian Language & Culture	42500	Language	50
AP Latin	45602	Classics	56
AP Physics 1	58171	Science	59
AP Physics 2	58172	Science	60
AP Physics C	58170	Science	60
AP Psychology	38867	History & Social Studies	41
AP Spanish LANGUAGE & Culture	43507	Language	53
AP Spanish LITERATURE & Culture	43517	Language	53
AP Statistics	28427	Math BWK	24
AP Statistics	26428	Math GA	28

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AP Studio Art I: Guided Material Exploration (GA)	66640	Arts	68
AP Studio Art II: Self-Directed Portfolio (GA)	66641	Arts	68
AP Studio Art: 2-D Design (BR)	68505	Arts	67
AP Studio Art: 3-D Design (BR)	68510	Arts	68
AP Studio Art: 3-D Design (Ceramics) (BR)	68511	Arts	70
AP Studio Art: 3-D Design (GA)	66489	Arts	69
AP Studio Art: Drawing (BR)	68500	Arts	68
AP United States Government & Politics	38417	History & Social Studies	33
AP United States History	33070	History & Social Studies	31
AP World History	38418	History & Social Studies	33
Arabic I	49100	Language	43
Arabic II	49200	Language	43
Arabic III	49300	Language	43
Arabic IV	49400	Language	43
Architecture & Design I (f)	68143	Arts	73
Architecture & Design II (s)	68145	Arts	74
Art and Design I (f)	68147	Arts	73
Art and Design II (s)	68148	Arts	74
Art I	61000	Arts	67
Behavioral Economics (s)	36472	History & Social Studies	40
Bel Canto	66100	Arts	78
Beyond Hollywood: Tough Choices (s)	66561	Arts + General Electives	75, 89
Biology	51000	Science	58
Broadcast Journalism and Media I (BR)	68530	Arts	71
Calculus	28405	Math BWK	24
Calculus	26404	Math GA	27
Cancer Biology (f)	58050	Science	62
Cancer Biology (s)	56200	Science	64
Cartography (s)	56205	Science	64
Ceramics I	62000	Arts	69
Chemistry	52000	Science	58
Chinese I	47100	Language	44
Chinese II	47200	Language	44
Chinese III	47300	Language	45
Chinese IV	47303	Language	45
Chinese V	47502	Language	45
Cinema and Society (s)	38431	History & Social Studies	37
Cognitive Psychology (s)	38477	History & Social Studies	41
Computer Graphics I	68150	Arts	70
Costume Design I	66411	Arts	80
Creative Technologies: 2D Digital Fabrication (s)	66622	Arts	75
Creative Technologies: 3D Building (f)	66621	Arts	73
Criminal Justice (f)	36469	History & Social Studies	35
CS-101: Introduction to Creative Computing (f)	78111	CompSci - BWK	81
CS-101: Introduction to Creative Computing (s)	78121	CompSci - BWK	82
CS-102: Introduction to Web Design and Development (f)	78112	CompSci - BWK	81
CS-102: Introduction to Web Design and Development (s)	78122	CompSci - BWK	83

Course Name	ID	Department (s)	Page (s)
CS-103: Introduction to Computer Science (f)	78113	CompSci - BWK	82
CS-103: Introduction to Computer Science (s)	78123	CompSci - BWK	83
CS-201: AP Computer Science Principles	78605	CompSci - BWK	84
CS-202: AP Computer Science A	78606	CompSci - BWK	85
CS-211: AP Cybersecurity	78211	CompSci - BWK	84
CS-301: Honors Machine Learning and AI	78607	CompSci - BWK	85
Culinary Science I (f)	56041	Science	62
Culinary Science II (s)	56042	Science	65
Debate and Society	39045	History & Social Studies	33
Eng XII: Angels and Demons	14129	English	16
Eng XII: Creative Writing	14016	English	17
Eng XII: Dystopian Literature	14130	English	17
Eng XII: In Our Time: Contemporary Fiction	14030	English	18
Eng XII: Irish Literature	14132	English	18
Eng XII: Journalistic Storytelling	14112	English	19
Eng XII: Leviathans	14126	English	19
Eng XII: Modern American Storytellers	14127	English	20
Eng XII: Modern Women Writers	14124	English	20
Eng XII: Moral Dilemmas in Literature, Film, and Theater	14128	English	20
Eng XII: New York State of Mind	14041	English	20
Eng XII: Philosophy and Literature	14120	English	21
Eng XII: Russian Literature: The Soul on the Steppe	14046	English	21
Eng XII: The Criminal Mind	14015	English	17
Eng XII: The Hero's Journey	14055	English	18
Eng XII: Theatre on Both Sides of the Pond: Page to Stage	14033	English	21
Engineering I (f)	58039	Science	63
Engineering II (s)	58040	Science	65
English IX (BR)	11008	English	14
English IX (GA)	11006	English	14
English X	12000	English	14
English XI	13000	English	15
Environmental History (s)	38422	History & Social Studies	37
Español de negocios—Business Spanish (s)	43506	Language	54
Español en vivo—Spanish in the Community (f)	43505	Language	53
Everyday Economics (f)	36471	History & Social Studies	40
Facing Challenges Across the French-Speaking World (s)	44516	Language	49
Film Production I	66501	Arts	70
Forensic Science (s)	58033	Science	65
French I	44100	Language	47
French II	44201	Language	47
French III	44300	Language	47
French IV	44401	Language	47
French Studies using Bandes Dessinées (f)	44513	Language	49
Future Cities (s)	49430	General Electives	89
Geology (f)	58044	Science	63
Geometry	28099	Math BWK	22
Geometry	26100	Math GA	26

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Greek I	45700	Classics	57
Greek II	45702	Classics	57
Greek III	45703	Classics	57
Guitar I	68149	Arts	76
History of Warfare: Ancient and Medieval World (f)	38501	History & Social Studies	35
History of Warfare: Development of Linear Warfare (s)	38504	History & Social Studies	38
Honors Acting II	68430	Arts	79
Honors Acting III	68433	Arts	79
Honors Algebra II	26202	Math GA	27
Honors Algebra II with Trigonometry	28202	Math BWK	23
Honors American Studies: History	36427	History & Social Studies	31
Honors American Studies: Literature	13200	English	15
Honors Arabic II	49201	Language	43
Honors Arabic III	49301	Language	43
Honors Arabic IV	49401	Language	44
Honors Biology	51020	Science	58
Honors Broadcast Journalism and Media II (BR)	68531	Arts	71
Honors Broadcast Journalism and Media III (BR)	68532	Arts	72
Honors Ceramics II: Ceramic Sculpture (BR)	68142	Arts	69
Honors Ceramics II: Skills (GA)	66402	Arts	69
Honors Ceramics III: Voice (GA)	66407	Arts	69
Honors Chemistry	52020	Science	58
Honors Chinese II	47201	Language	45
Honors Chinese III	47301	Language	45
Honors Chinese IV	47401	Language	45
Honors Civil Rights Seminar	33010	History & Social Studies	33
Honors Computer Graphics II	68250	Arts	70
Honors Costume Design II	66413	Arts	80
Honors Dance Corps	66380	Arts	80
Honors Engineering and Design: Digital Fabrication Lab	66650	Arts + Eng & CompSci - GA	72, 87
Honors Engineering and Design: Woodshop	66651	Arts + Eng & CompSci - GA	72, 87
Honors Film Production II	66502	Arts	70
Honors Film Production III (BR)	68520	Arts	71
Honors Film Production III (GA)	66504	Arts	71
Honors Film Production IV (GA)	66506	Arts	71
Honors French II	44202	Language	47
Honors French III	44301	Language	47
Honors French IV	44402	Language	48
Honors Geometry	28102	Math BWK	22
Honors Geometry	26102	Math GA	26
Honors Greek II	45704	Classics	57
Honors Greek III	45705	Classics	57
Honors Guitar II	68249	Arts	76
Honors Italian II	42201	Language	49
Honors Italian III	42301	Language	50
Honors Italian IV	42401	Language	50
Honors Latin II	45201	Classics	55

Course Name	ID	Department (s)	Page (s)
Honors Latin III	45302	Classics	56
Honors Latin IV	45401	Classics	56
Honors Math: Linear Algebra	28502	Math BWK	25
Honors Math: Multivariable Calculus	28501	Math BWK	25
Honors Modern Band II: Performance and Improvisation	68356	Arts	76
Honors Music Improv I	68157	Arts	77
Honors Music Improv II	68257	Arts	77
Honors Organic Chemistry (f)	56033	Science	63
Honors Physics	53020	Science	59
Honors Playwriting and Directing	66424	Arts	79
Honors PreCalculus	28302	Math BWK	23
Honors Precalculus	26303	Math GA	27
Honors Recording Studio II	68254	Arts	77
Honors Science Research - Brunswick School	59100	Science	60
Honors Science Research - Greenwich Academy	56400	Science	61
Honors Seminar: A History of Women and Power	36425	History & Social Studies	34
Honors Seminar: Abstract Algebra	26438	Math GA	28
Honors Seminar: Collaborative Arts (GA)	66625	Arts	69
Honors Seminar: Data Science	76603	Eng & CompSci - GA	87
Honors Seminar: Engineering & Computer Science	76602	Eng & CompSci - GA	87
Honors Seminar: English Literature	14014	English	15
Honors Seminar: French Studies	44617	Language	48
Honors Seminar: Humanities and Social Science Research	36424	History & Social Studies	34
Honors Seminar: Italian Studies	42520	Language	51
Honors Seminar: Latin Studies	45505	Classics	56
Honors Seminar: Linear Algebra	26434	Math GA	28
Honors Seminar: Microbiology Research - Greenwich Academy	56037	Science	61
Honors Seminar: Multivariable Calculus	26435	Math GA	28
Honors Spanish for Heritage Speakers	43560	Language	52
Honors Spanish II	43201	Language	51
Honors Spanish III	43301	Language	52
Honors Spanish IV	43402	Language	52
Honors Theatrical Design and Stage Craft II	68423	Arts	79
Honors Theatrical Design and Stage Craft III	68424	Arts	79
International Relations (f)	36481	History & Social Studies	36
Introduction to Computer Science (f)	76601	Eng & CompSci - GA	86
Introduction to Computer Science (s)	76621	Eng & CompSci - GA	86
Introduction to Photography I (f) (GA)	66551	Arts	73
Introduction to Photography II (s) (GA)	66552	Arts	75
Introduction to Waves and Optics (s)	58064	Science	65
Italian I	42100	Language	49
Italian II	42200	Language	49
Italian III	42300	Language	50
Italian IV: Language & Culture	42400	Language	50
La Cocina Hispana: Cuisine and Culture in Latin America (f)	43524	Language	53
La Cocina Hispana: Cuisine and Culture in Latin America (s)	43525	Language	54
Latin I	45100	Classics	55

Course Name	ID	Department (s)	Page (s)
Latin II	45200	Classics	55
Latin III	45300	Classics	55
Latin IV	45400	Classics	56
Latin V: Reading Latin Poetry (f)	45410	Classics	56
Leaders, Leadership, and Strategy (s)	38425	History & Social Studies	38
Madrigal Honors Ensemble	66300	Arts	78
Marine Biology (f)	58038	Science	63
Medical Problem Solving I (f)	58062	Science	63
Medical Problem Solving II (s)	58063	Science	66
Microeconomics and Macroeconomics	38409	History & Social Studies	39
Modern American Society through Film (f)	38430	History & Social Studies	36
Modern Band I: Performance and Improvisation	68355	Arts	76
Modern Middle East (s)	36414	History & Social Studies	38
Modern Physics (f)	58065	Science	64
Modern World History	31002	History & Social Studies	29
More than Gold: The Olympics and the Politics of Sport (f)	38511	History & Social Studies	36
More than Gold: The Olympics and the Politics of Sport (s)	38512	History & Social Studies	38
Morning M.O.B.	68320	Arts	78
NEWL Arabic Language and Culture	49420	Language	44
Origins of Hispanic Culture in Europe (f)	43522	Language	54
Origins of Hispanic Culture in Europe (s)	43523	Language	54
Physics	53000	Science	59
Planetary Science (s)	56210	Science	66
Precalculus	28300	Math BWK	23
PreCalculus	26300	Math GA	27
Precalculus+	26315	Math GA	27
Public Speaking and Effective Communication (f)	39050	General Electives	88
Quantitative Geometry	28103	Math BWK	22
Recording Studio I	68154	Arts	76
Reliving the Past! Historical Simulations and Games	38510	History & Social Studies	34
Spanish I	43100	Language	51
Spanish II	43200	Language	51
Spanish III	43300	Language	52
Spanish IV	43401	Language	52
Sport Psychology (f)	38479	History & Social Studies	41
Statistics	28431	Math BWK	24
Statistics	26405	Math GA	27
STEAM 101: The Coding Palette (f)	78610	CompSci - BWK + Arts	82, 74
STEAM 101: The Coding Palette (S)	78611	CompSci - BWK + Arts	83, 75
Summer: Honors Field Ecology Research (f) - Greenwich Academy	56300	Science	62
Sustainability and the Environment (f)	58041	Science	64
The Blue Notes	68351	Arts	77
The Global Cold War (s)	38503	History & Social Studies	39
The World at War (f)	38502	History & Social Studies	37
Theatrical Design and Stage Craft I	68421	Arts	79
United States History	33000	History & Social Studies	29

ENGLISH

The English program has several major objectives: to help students increase their understanding and command of language, to develop the process of critical and creative thinking, and to foster knowledge of a wide range of literature.

All English courses on both campuses are designed to help students improve their proficiency in reading, thinking, speaking, and writing, through reading and discussing literature, through extensive writing, and through grammar and vocabulary work. Word processing—which both departments regard as an integral tool for thinking and writing—is required for all outside assignments.

English IX (GA)

11006

Grade Level: 9th

English 9 has as its theme *Seeing and Being Seen: Reading and Writing Women's Stories*. The course provides a foundation in the study of literature, helping students to develop the increasingly complex writing and thinking skills they will need in the Upper School. Writing instruction focuses on the analytical essay, emphasizing process (topic generation, thesis writing, evidence selection and interpretation, revision, editing, etc.), but students also write informal responses and creative pieces. Active reading, annotation, class discussions, and writing-to-learn assignments help students build complex interpretations of a variety of texts, while ongoing self-assessment and portfolio assignments help students identify strengths and set goals for their work in reading, writing, and discussion, becoming more independent learners in the process. Recent texts have included: *Antigone*, *Pride and Prejudice*, *Twelfth Night*, *Little Fires Everywhere*, *Persepolis*, *The Catcher in the Rye*, and *The Hate U Give*.

English IX (BR)

11008

Grade Level: 9th

Continuing a longstanding Brunswick tradition, English 9 is an all-boys class taught around a Harkness table; it focuses primarily on stories depicting the journey to adulthood and maturity. Throughout the year, we will explore various novels, plays, poetry, and essays from around the world, beginning with the Ancient Greeks and ending in the 21st century. The course stresses the development of critical reading and thinking skills while challenging each boy to improve his writing. We also carry out a comprehensive study of grammar, vocabulary, and mechanics of essay writing. Core texts include: *The Odyssey*, *The Catcher in the Rye*, *Henry IV, Part I*, and *Lord of the Flies*. Other texts may include *Brave New World*, *Persepolis*, *The Power of One*, and *The Hate U Give*.

English X

12000

Grade Level: 10th

Prerequisite: English 9 or equivalent

English 10 traces American experiences as they are reflected in literature from the country's colonial beginnings to the present day. Students read works from a variety of genres and practice writing in many forms, with particular emphasis on the analytical essay. Grammar study arises out of students' specific needs, and vocabulary is studied in context with the literary texts. Core texts include: *The Crucible* or *Our Town*, essays by Thoreau and Emerson, stories by Hawthorne and Poe, and *The Great Gatsby*. Additional authors studied may include Twain, Whitehead, Cather, Douglass, Hurston, Hemingway, Tennessee Williams, Vonnegut, Highsmith, O'Brien, Kesey, and Alexie.

Honors American Studies **

13200 & 36427

Grade Level: 10th

Prerequisite: Departmental Approval from both History and English departments (see APPS)

Honors American Studies offers passionate students of the humanities an opportunity to explore the culture and history of the United States through a rigorous interdisciplinary approach. This double credit course will dive deep into primary and secondary texts, including essential and challenging works of American literature, alongside the historical context in which the authors lived, and that the works depict. The course will establish a firm understanding of American history, and will enhance students' historical thinking skills, and historical research methods and primary source analysis. The course will seek to answer questions such as: What is the American story?, Who tells the American story?, and How did we get here?, and it will explore themes including Freedom and Democracy, Faith and Belief, and Community and the Individual. As a multi-disciplinary course it will explore art, film and music as expressions of American culture, and will include field trips to local institutions. This is a reading and writing intensive course, co-taught by English and history teachers.

In addition to recommendations from current English and History teachers, students will complete a written component in the course approval process.

** **Honors American Studies** comprises two distinct courses - *Honors American Studies: Literature* (#13200) and *Honors American Studies: History* (#36427) - that students will take in two separate blocks. Accepted students will satisfy their 10th grade English and 10th grade History requirements by taking the two courses. Acceptance into **Honors American Studies** requires enrollment into both *Honors American Studies: Literature* and *Honors American Studies: History*.

English XI

13000

Grade Level: 11th

Prerequisite: English X or equivalent

English 11 is primarily a study of the literature from the United Kingdom and its former colonies. Students will read a variety of genres, from lyric poetry and short fiction to dramas and novels and non-fiction works. Writing assignments will ask students to express their ideas in a variety of forms, from personal and analytical essays to creative fiction and poetry. Core texts include: *Oedipus the King*, *Macbeth*, or *Othello*, *Dubliners*, and *Frankenstein* or another nineteenth century British novel. Other authors read may include: Chaucer, Dickens, Conrad, Orwell, McEwan, Coetzee, Kinkaid, Ishiguro, Lahiri, Soyinka, Hamid, and Kafka.

AP English Literature and Composition **

13010

Grade Level: 11th

Prerequisite: Departmental Approval

In the AP English Literature and Composition course, students devote themselves to the study of literary works written in—or translated into—English. Careful reading and critical analysis of such works of fiction, drama, and poetry provide rich opportunities for students to develop an appreciation of ways literature reflects and comments on a range of experiences, institutions, and social structures. Students will examine the choices literary writers make and the techniques they use to achieve purposes and generate meanings. In addition to a variety of works of short fiction and poetry from authors from various eras and perspectives, multiple works of drama and longer narrative fiction will be studied. The literature studied may include works by Sophocles, Shakespeare, Tom Stoppard, Thomas Hardy, George Eliot, Herman Melville, William Faulkner, Virginia Woolf, and Toni Morrison.

** Students enrolled in AP English Literature and Composition are also eligible to take an English XII elective with departmental approval.

Honors Seminar: English Literature

14014

Grade Level: 12th

Prerequisite: Departmental Approval

This honors English course offers intensive study of more advanced works. Students will be challenged to become more independent, insightful readers and more forceful, artful writers with confident critical voices. Through study of narrative structure, form, and style, students will learn to discern and articulate authors' methods of making meaning through texts, themes, and concepts comparable to those that occur in college literature courses. Students in this course who wish to sit for the AP English Literature exam in the spring may do so, with the recommendation of the instructor. Application process to the English department includes a graded essay and a personal essay expressing interest in a more in-depth study of literature. The reading list for this course is in part a function of student interest. Past writers studied have included Shakespeare, Morrison, Dante, Hawthorne, Austen, Adichie, Hwang, and others.

** This course must be taken concurrently with one of the following courses: English XII elective, Honors Seminar: A History of Women and Power, Honors Seminar: Humanities and Social Science Research, AP Spanish Literature, Honors Seminar: Latin Studies or Honors Seminar: Italian Studies.

SPRING SEMESTER COURSES

AP English Language and Composition (s)

13011

Grade Level: 10th–11th (Brunswick only; concurrent with English X or XI)

Prerequisite: Departmental Approval

In this course, comparable to a college-level rhetoric and writing course, students cultivate their understanding of writing and rhetorical arguments through reading, analyzing, and writing texts as they explore topics such as rhetorical situations, claims and evidence, and reasoning and organization. Throughout the course, students work on developing a personal voice by making appropriate stylistic and grammatical choices. Students will read and analyze the rhetorical elements and their effects in a variety of non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods.

ENGLISH XII: LITERATURE & COMPOSITION — SENIOR ELECTIVES

The English Department offers specialized senior level courses that continue to teach reading, writing, and critical thinking skills. Although the syllabi of these seminars vary, the goals of instruction are consistent—to develop students’ comprehension and expression so that they graduate as independent thinkers and persuasive writers. Common skills represented in each course will range from the proper methods of seeking outside critical sources to presentation skills, and in all courses, analytical writing will be stressed in full. In each course, students will write in various forms and read works representing diverse voices, experiences, genres, time periods, and cultures. In the fourth quarter, students will submit a significant critical paper that will be graded by the student’s own teacher, and then submitted to a panel of English teachers. Each year, the joint English Departments will select one essay from each campus as a Senior Prize Paper.

Angels and Demons

14129

Grade Level: 12th

During a speech at Harvard Divinity School, Nobel laureate Toni Morrison said, “Evil has a blockbuster audience; Goodness lurks backstage. Evil has vivid speech; Goodness bites its tongue.” Why is it that the airwaves, our media feeds, and even the pages of the books we read are littered with the spiteful, the hateful, and the sinful? Is there any space at all for the Good? And with our world seemingly filled with so much badness, isn’t it right that truly good characters are given their time in the spotlight, too? Perhaps examples of Goodness are actually hiding all around us, waiting in the wings. This course will attempt to find those examples of the Good in literature, and investigate whether there is some way to get at what Goodness really is, and whether literature is a means by which Goodness can be modeled for others.

Possible texts include *Dante’s Inferno*, *One Flew Over the Cuckoo’s Nest* by Ken Kesey, *A Mercy* by Toni Morrison, *Rules of Civility* by Amor Towles, *The Idiot* by Fyodor Dostoevsky, *The Remains of the Day* by Kazuo Ishiguro, *Small Things Like These* by Claire Keegan, and *A Prayer for Owen Meany* by John Irving.

Creative Writing

14016

Grade Level: 12th

This course is an introduction to creative writing in its many forms. We will read and analyze great pieces of literature while simultaneously working on our own creative writing; students will develop their own literary and artistic sensibilities while grappling with the question of what makes good writing? The class will consider non-fiction, fiction, memoir, drama, screenwriting, and poetry as related disciplines, but the year will be divided into units according to these genres.

We will spend most of the first semester reading and writing poetry while also extensively studying song lyrics. In the second semester, we will mostly study short fiction and some of the great short story writers, eventually getting to some new fiction by living authors.

Throughout the course we will discuss issues of voice, imagery, tone, characterization, and the elements of narrative, dramatic, and lyric form. Students will work towards the creation of a multi-genre portfolio that will include workshopped, revised pieces to be considered for publication in literary magazines such as Brunswick's *The Oracle* or Greenwich Academy's *Daedalus*.

The Criminal Mind

14015

Grade Level: 12th

Quick: think of a story that doesn't have a crime in it. (See, it's harder than you think). This course will form a jury of sorts as we consider the role of crime committed in works of literature and film, both fiction and non-fiction. We will discuss the nature of crime and the motives of a variety of criminals. We will look at how writers choose to present their criminals and how these choices influence our reactions to them, sometimes in surprising ways. We will consider: Do great stories require great transgressions? Is it more satisfying when a mystery has an artful solution or when it lives on, unsolved, in our hearts and minds? Recent texts have included: *Atonement*, *In Cold Blood*, *In the Lake of the Woods*, *Equus*, *The Talented Mr. Ripley*, *Medea* and *Glengarry Glen Ross*; films such as *Memento*, *Double Indemnity*, and *L.A. Confidential*; and a mix of classic and contemporary short fiction.

Dystopian Literature

14130

Grade Level: 12th

How would you know if you were living in a dystopia? Would you resist—or slowly learn to accept it? When does order begin to feel like control, or comfort slide into compliance? Dystopian stories push us to wrestle with these questions. They imagine societies that seem distant at first—until, uncomfortably, they don't.

With the popularity of *The Hunger Games* and *Stranger Things*, the dystopian genre may feel like a fairly recent phenomenon. However, its literary underpinnings date back centuries. In this course, we explore the concept of utopia—and its dark double, dystopia—in both society and literature. From ancient texts to contemporary fiction, this course uses dystopian literature to explore power, freedom, technology, and moral responsibility, focusing not only on how societies collapse, but on how individuals respond to these dire conditions. Possible authors include: Plato, Dante, Franz Kafka, George Orwell, Aldous Huxley, Cormac McCarthy, Margaret Atwood, Octavia Butler, and Emily St. John Mandel. We'll round out the syllabus with a recent dystopian bestseller to see how it draws upon—or deviates from—its literary forbears. Additionally, we'll make forays into film and television (possibly *The Truman Show*, *Severance*, *V for Vendetta*) to examine how these imagined worlds reflect real anxieties about modern life. Through discussion, analytical writing, and creative projects, students will consider what dystopian fiction reveals about human nature—and, ultimately, about themselves.

The Hero's Journey

14055

Grade Level: 12th

Athletes have been honored as heroes since the first Olympiad. From Pindar's odes to the present day, writers have celebrated men and women who challenge themselves in sporting events. As organized competitions have taken an increasing amount of the cultural and political spotlight, the exploits of these athletes have in some cases reached the level of legend and myth. Names like Michael Jordan, Muhammed Ali, Michael Phelps and Lionel Messi are just a few that come to mind. Yet one of the lessons of history is that there are some figures who become legends while others – even those who have made great athletic or cultural contributions – have toiled without due recognition or been consigned to relative oblivion. This course will examine the contributions of a variety of athletes who reached the pinnacle of success in their respective sports, but special attention will be paid to those who made contributions to their societies and to history itself. Joe Rantz, Louis Zamperini, Gino Bartali, Stylianos Kyriakides, are just a few of the less-heralded athletes we will focus on. Beyond their athletic achievements, each of these individuals persevered in the face of extraordinary adversity and within the difficult historical context in which they lived – whether it be during the Great Depression or World War II. In addition, novels such as Lewis Carroll's *Alice in Wonderland* and screenplays will be examined.

This course will examine different forms of storytelling in literature by analyzing biographies, autobiographies, screenplays, and novels, while focusing on themes such as perseverance, the agony of defeat, competition, doubt, and confidence. Alongside traditional heroic narratives, students will explore how Lewis Carroll's *Alice in Wonderland* complicates and subverts the idea of the hero's journey through its dreamlike logic, shifting identities, and challenges to authority and self-understanding. By placing Carroll's work in conversation with the lives of real-world athletes, the course will investigate what it means to be a hero when progress is nonlinear, rules are unstable, and growth comes through confusion as much as triumph. Students will consider how these heroes resemble or depart from the archetypal figures of classical literature, how they wield influence or inspire generations, and how their inner lives – their doubts, motivations, and psychological resilience – shape their achievements. During the second semester, students will conduct research and write an essay on a hero of their own choosing.

In Our Time: Contemporary Fiction

14030

Grade Level: 12th

While studying “The Classics”—the great artistic works of the rich and distant past—provides a necessary intellectual foundation for understanding literature, history, and culture, it is also exciting and interesting to experience and consider brilliant works created “in our time,” by artists of the Contemporary World. With this in mind, this course will explore ways in which contemporary novelists, screenwriters, and songwriters have expressed and are currently expressing themselves through their works. Text may include: John Irving's *The World According to Garp* (1979), Chuck Palanhiuk's psychological thriller *Fight Club* (1996), Dan Brown's controversial *The Da Vinci Code* (2003), and David Benioff's *City of Thieves* (2008). The course will also include units on contemporary screenplays such as *The Shawshank Redemption*, *Good Will Hunting*, *Three Billboards Outside Ebbing Missouri*, and *Parasite*, as well as “music units” in which we will study albums by Bob Dylan, Green Day, Bob Marley, The Lumineers, and other musicians from “our time.”

Irish Literature

14132

Grade Level: 12th

Patrick Moynihan, the great New York Senator, once said, “To be Irish is to know that in the end the world will break your heart.” Students in this course will encounter heartbreak (on the page) and plenty more—love affairs, rock bands, political assassinations, and yes, six-inch-tall people. Beginning in present-day Dublin and moving backward in time, the course explores how private lives are shaped by public history—a history that includes the Great Famine, Home Rule, Bloody Sunday, and the Celtic Tiger. Through novels, memoirs, poetry, investigative journalism, and film, students will explore Irishness as an identity that is at once fixed and ever-evolving.

Core texts include: *Normal People*, by Sally Rooney; the lyrics of U2; *Brooklyn*, by Colm Tóibín; *Angela's Ashes* by Frank McCourt; *The Commitments* by Roddy Doyle; *Gulliver's Travels* by Jonathan Swift; *Prophet Song*, by Paul Lynch; and *How the Irish Saved Civilization* by Thomas Cahill. Additional Voices: James Joyce, Seamus Heaney, W.B. Yeats, William Trevor, Edna O'Brien, and others. Film and Television: *Gangs of New York*; *Say Nothing* (Season 1); *In the Name of the Father*; *Normal People*.

Journalistic Storytelling

14112

Grade Level: 12th

How can we tell the stories of sports? How can we use sports as a prism to view a much wider world of experience and emotion—or use storytelling to hit something inside people and move them—as former managing editor of *Sports Illustrated* Terry McDonell once suggested? In this senior elective, we will seek to do so by reading, writing, and discussing “all things sports”, analyzing the rhetorical strategies and techniques authors and journalists employ to tell a powerful story. We will read, write, and think about the players, places, and events of male and female sports, discussing essays, book excerpts, poems, stories, and pieces of journalism. In addition, we will view sports from our own personal lenses and focus on how they have transformed our own lives or the lives of those around us. Most important, we will work tirelessly to become more polished readers, writers, thinkers, and grammarians — using the art of sport as our guide as we share, critique, revise, and rewrite. It is often said that sports can represent a metaphor for life. In this class, we’ll dive in (head first) and search for the truth.

Possible texts and authors may include: David Remnick (editor), *The Only Game in Town: Sportswriting from The New Yorker*; David Halberstam (editor), *The Best American Sports Writing of the Century*; Wright Thompson (editor), *The Best American Sports Writing 2015*; Rob Fleder (editor), *Sports Illustrated: Fifty Years of Great Writing*; Roger Angell, *Let Me Finish*; John McPhee, *A Sense of Where You Are: Bill Bradley at Princeton*; Christine Brennan, *Best Seat in the House: A Father, a Daughter, a Journey Through Sports*, Andre Agassi, *Open*; Patricia O’Connor, *Woe Is I: The Grammarphobe’s Guide to Better English in Plain English*; along with selections from male and female writers including John Updike, Sally Jenkins, Malcolm Gladwell, Joyce Carol Oates, Dan Jenkins, Frank Deford, Melissa Ludtke, Rick Reilly, Susan Orlean, Leigh Montville, Roy Blount Jr., George Plimpton, and many more.

Leviathans

14126

Grade Level: 12th

Come and read the books you think you’d like to read someday, that you feel you should read—but that you haven’t had time to read yet. In this course, we’ll embark on a journey with some of the titans of Western literature: a collection of complex, inspiring, and extraordinary stories. Discover what holds us back and find glory in the everyday. Course texts: *Moby Dick*, *Hamlet*, *East of Eden*. Other works studied: William Blake’s illustrated version of *The Book of Job*, *The Matrix*, “The Rime of the Ancient Mariner,” *Withnail & I*, *The Hitchhiker’s Guide to the Galaxy*, *The Lion Tracker’s Guide to Life*, and *Pulp Fiction*. It’s time to read those books that everyone wishes they had read at some point. Join the challenge and unravel these classics for yourself.

“There is no person in whom humor and love are developed in that high form called genius; no such person can exist without also possessing, as the indispensable complement of these, a great, deep intellect, which drops down into the universe like a plummet. Love and humor are only the eyes through which such an intellect views this world. The great beauty in such a mind is but the product of its strength.” —Herman Melville

Modern American Storytellers—Great Stories of the Past One-Hundred Years

14055

Grade Level: 12th

Storytellers often convey important observations about culture. This course will examine the stories told in print, on film, and in song that define and describe modern America. We will look for connections between these stories and the broader context of American culture. Students will read a variety of genres, including novels, short stories, dramas, and poetry. In addition, we will consider stories told in films and songs.

Potential works include Scott Fitzgerald's *Tender is the Night*, Zelda Fitzgerald's *Save me the Waltz*, and Ernest Hemingway's *The Sun Also Rises*, providing different views of American ex-pats in the 1920's.

Toni Morrison's *Beloved*, offers a searing story of the African-American experience. William Faulkner's *As I Lay Dying* and the songs of Woody Guthrie provide moving portraits of depression-era America. Arthur Miller's *Death of a Salesman* considers the post-war pursuit of the American Dream, while Ken Kesey's *One Flew Over the Cuckoo's Nest* captures the spirit of the counter-culture of the 1960's. Tim O'Brien's *Going After Cacciato* and John Irving's *A Prayer for Owen Meany* provide different perspectives of the Vietnam experience. Colson Whitehead's *The Nickel Boys* presents us with survival story of young African-Americans. In addition to these major texts, we will selected short stories by writers such as Dorothy Parker, Joyce Carol Oates, and others. We will also study poetry in both conventional forms as well as poetic elements in popular music. Films could include *Casablanca*, *On the Waterfront*, *One Flew Over the Cuckoo's Nest*, *The Nickel Boys* and others, while Dylan, Springsteen, The Grateful Dead and other iconic bands will provide the soundtrack to our study.

Modern Women Writers

14124

Grade Level: 12th

What does it mean to live, be, or feel as a woman? And how can literature help us better understand these particular experiences, joys, and challenges? To try to answer these questions, we will spend the year reading books written by women in the twentieth and twenty-first centuries. We will organize our reading by theme: friendship, pain, and love. Although we will primarily read fiction and write analytical essays, we will also read essays and memoirs which will shape and guide a personal writing project. Possible texts include *Sula* by Toni Morrison, *A Visit from the Goon Squad* by Jennifer Egan, *The Handmaid's Tale* by Margaret Atwood, *So Late in the Day* by Claire Keegan, *Between Two Kingdoms* by Suleika Jaouad, *A Room of One's Own* by Virginia Woolf, and *Americanah* by Chimamanda Ngozi Adichie.

Moral Dilemmas in Literature, Film, and Theater

14128

Grade Level: 12th

In 1983, Stanislav Petrov was a lieutenant colonel for the Soviet Air Defence Forces and the duty officer when the nuclear early-warning system reported that five missiles had been launched from the United States. Against military protocol, he hesitated rather than report to his superiors, preventing what many say could have become a full-scale nuclear war.

How would you react when faced with a personal or political moral crisis? In this interdisciplinary course, we will study examples of characters in literature, film, and theater who have faced intensely difficult decisions, discuss the forces that shaped their choices, and explore the consequences of their decisions. We will consume fiction and nonfiction films, literature, and theater. Possible texts include *1984*, *Spring Awakening*, *Into Thin Air*, *Little Fires Everywhere*, *The Truman Show*, *Giovanni's Room*, *The Man Who Saved the World*, and *The Book Thief*.

In the second half of the year, the class will work as a group to research, write, film, and edit a short movie or theater piece focused on a real-life difficult decision of their choosing. The piece will be shown to GA's Upper School in the Spring of 2026. If you like heated conversations, hypothetical scenarios, and hands-on projects, this course is for you. No experience with film, theater, or life/world-altering decisions is necessary!

New York State of Mind

14041

Grade Level: 12th

Using the city in our backyard as our greatest resource, this course will explore literature written about New York City and the writers who love it. We'll take a look at New York through the lenses of its many cultural traditions; we'll spend time with the Harlem Renaissance, with the Rat Pack and jazz, with immigrant stories, hip-hop, and responses to September 11. We'll look at high society at the turn of the twentieth century, and at the squalor of tenement life with which it coexisted. We'll cross the borders between boroughs from the Bronx to Brooklyn and in so doing, catch a glimpse of New York's wild literary history. Through art, music, film, poetry, fiction, and nonfiction, we'll aim to understand what it means to live in New York, to be a part of an urban community, and to capture the wonder and the loneliness of the greatest city of them all.

Possible texts include *The Age of Innocence*, *Jazz*, *Death of a Salesman*, *Let the Great World Spin*, *Breakfast at Tiffany's*, and *Extremely Loud and Incredibly Close*. We'll likely look at the work of Langston Hughes, Walt Whitman, Emma Lazarus, Jay-Z, Frank O'Hara, Nas, Spike Lee, Colson Whitehead, and EB White, among many others.

Philosophy and Literature

14120

Grade Level: 12th

Though literature predates philosophy, there is nevertheless an important fraternal relationship between the two humanistic fields (though, like some other siblings, they often find themselves in conflict). Philosophy asks the big questions upfront and tries to find solutions, often by rigorous and analytical argument; literature more often sees how human beings manage to live with those same questions—sometimes rationally, sometimes passionately.

In this course, we'll consider some important philosophical questions: What is the good life? What is virtue? How are the human soul and the ideal political state best framed? What is the function of art (literary, visual, musical)? We shall begin by reading Iris Murdoch's Platonic-inspired dialogue on art, *Acastos*, and then focus on Plato's *Phaedo and Phaedrus*, as well as excerpts from several of his other major dialogues, examining his idealizing influence on subsequent philosophers and literature. Afterward, we'll read Euripides' *Bacchae* and Thomas Mann's *Death in Venice* in light of Plato's theory of idealized beauty and truth.

Later, we will read and contrast the ethical systems of Aristotle, Immanuel Kant, and John Stuart Mill, and apply their concepts to both real-world scenarios and a play by Tom Stoppard. In the second semester, we'll read Friedrich Nietzsche's seminal work *Thus Spoke Zarathustra*, pairing it with David Mitchell's recent novel *Cloud Atlas*. Subsequently, we will move toward Existentialism, examining works by Jean-Paul Sartre and others. Finally, we'll consider what it means to be human in an age of AI, reading stories by Ted Chiang and others.

Russian Literature: The Soul on the Steppe

14046

Grade Level: 12th

Ian Frazier once humorously called Russia, “the greatest horrible country on earth” and Virginia Woolf likened reading Russian Literature to “seeing a naked man crawl from a train wreck”. How's that for a starting point? Russia is an immense nation that has a habit of producing both brutal dictators and imaginative geniuses, often at the same time. Despite the adversity, it is difficult to find a period in history when another civilization produced an equal number of literary masterpieces as Russia's “Golden Century” from 1815–1917. Russian literature burned hot: a hundred years of unparalleled brilliance and then, poof, it all went dark as Stalin rose to power in the wake of the Russian Revolution. We will focus on the literary giants Tolstoy, Dostoevsky, Gogol, Turgenev, Pushkin, and Chekov. We'll travel to St. Petersburg to witness one of the most famous murders in all of literature, fall hopelessly in love in Yalta, stop in Moscow to meet a beautiful woman who pursues a disastrous affair, and drift across the Siberian steppe where Dostoevsky found both God and creative inspiration after a firing squad held a gun to his head.

Theatre on Both Sides of the Pond: Page to Stage

14033

Grade Level: 12th

This course will examine past and current American and British plays. The curriculum is determined by what is playing between New Haven and New York City. Students will study and go see a series of plays written on both sides of the Atlantic. Theater is a device to explore the collective conscience of a nation. Through the lenses of playwrights, we will look at the challenges and collective joys of the world around us. Comedies and tragedies abound in this class.

Playwrights we will be studying: Lin-Manuel Miranda, Stephen Sondheim, Tom Stoppard, Samuel Beckett, William Shakespeare, Tony Kushner, and Tennessee Williams, to name a few. Some of the plays we have seen: *Hamilton*, *Book of Mormon*, *Sleep No More*, *Hamlet*, *Fun Home*, *Into the Woods*, *Arcadia*, and many more.

**There will be an additional fee for tickets.

MATHEMATICS—BRUNSWICK SCHOOL

The goal of the Brunswick Mathematics Department is to develop in every student a firm grounding in the basic facts and skills, to extend these skills to advanced topics, and to encourage the initiative required for the solution of mathematical problems. A wide range of courses is offered in order to accommodate all students, including those who need the challenge of high-level content.

In order to encourage the number sense required in everyday life and to prepare students for the no-calculator sections of future examinations, a substantial amount of pencil-and-paper and mental arithmetic is involved in every course. In addition, technology is used to reinforce concepts and to tackle problems that cannot be solved by other means. Thus, every student is expected to have an approved graphing calculator.

Algebra and Computational Geometry

28100

Prerequisite: Pre-Algebra

This course is designed for 9th grade students who have had difficulty in their previous Algebra I courses, or who have not yet taken Algebra I. The traditional Algebra I curriculum will be taught and consolidated during the year. Additionally, several areas from the standard geometry curriculum will be tackled, with students calculating angles, lengths, areas, and volumes using the most important theorems from the course. The aim is to equip the students to be successful in Geometry and Algebra II in their sophomore and junior years. Students will gain familiarity with mathematical notation and language, will further their understanding of the interchange between expressions written in sentence and mathematical forms, and will apply the ideas they are learning in both real-life and theoretical contexts. Most importantly, the inherent sense that lies behind all mathematical thought will be constantly reinforced.

Quantitative Geometry

28103

Grade Level: 10th

Prerequisite: Algebra and Computational Geometry

This is an accessible course covering the standard range of geometrical topics from a solely computational standpoint. Ample time is devoted to each area of study in order to securely establish the necessary concepts and instill the confidence required for tackling more complex problems. Additionally, essential techniques from Algebra I are reviewed and a substantial number of Algebra II topics are introduced in order to prepare students for that course the following year.

Geometry

28099

Prerequisite: Algebra I

In this course students develop a detailed and analytical understanding of the ideas of shape and space to which they have been introduced in their middle school courses. Complex geometric situations are analyzed on a quantitative level, and the ideas of a cohesive argument in the form of mathematical proof are included in the course. Also, the students' algebra skills are maintained and developed through application to geometric problems. The topics in this course include parallel lines and angles, polygons, similarity, the Pythagorean Theorem, areas and volumes, and circle theorems.

Accelerated Geometry

28101

Prerequisite: Algebra I and Departmental Approval

This course offers a more extensive range of topics and a higher level of problem solving than that which is required in Geometry, while covering material less rapidly and to a slightly more accessible level than in the Honors Geometry course. All the topics covered in Geometry are included here, along with higher-level proofs and some more advanced theorems and techniques.

Honors Geometry

28102

Prerequisite: Algebra I and Departmental Approval

This course includes all the topics covered in Accelerated Geometry, with students frequently encountering more complex problems and proofs. In this way, a foundation in deduction and problem-solving is established for students who wish to do high-level mathematical work in future years.

Algebra II with Trigonometry

28200

Prerequisite: Geometry

In this course the algebraic understanding established in Algebra I and in Geometry is extended to more advanced topics. The student develops an understanding of abstract ideas such as the nature of functions and through this enhances his powers of analysis and increases his problem-solving ability. The topics covered include algebraic modeling, functions and graphs, polynomials, exponential and logarithmic functions, trigonometry of right triangles, trigonometrical functions of all angles, sequences and series, and probability.

Accelerated Algebra II with Trigonometry

28205

Prerequisite: Geometry and Departmental Approval

This course offers a more extensive range of topics and a higher level of problem solving than that which is required in Algebra II, with material being covered less rapidly and to a slightly more accessible level than in the Honors Algebra II course. All the topics covered in Algebra II will be included here, along with a more thorough treatment in several areas, including trigonometry, exponential and logarithmic functions, curve sketching, conic sections, and sequences and series.

Honors Algebra II with Trigonometry

28202

Prerequisite: Accelerated Geometry and Departmental Approval

This course covers all the topics included in Algebra II and Accelerated Algebra II, with more complex problems being tackled at every stage. Additionally, some topics that are more advanced than those in the regular and Accelerated courses are covered, including trigonometrical equations and identities, exponential and log equations, graphs of rational functions, complex solutions of polynomial equations, equations of circles and other conic sections, and arithmetic and geometric sequences and series. By learning to solve demanding problems and covering the more advanced topics, students extend their minds toward the high level of thinking required in advanced mathematics courses.

Precalculus

28300

Prerequisite: Algebra II

This course offers a comprehensive foundation in the advanced mathematical skills and concepts needed to study calculus. New topics are introduced, and subject areas already encountered in Algebra II are covered in greater detail, with more complex problems being encountered at every stage. The topics covered include functions, trigonometrical equations and identities, polynomials, inequalities, exponential functions, logarithms, complex numbers, matrices, sequences and series, and probability.

Accelerated Precalculus

28301

Prerequisite: Algebra II and Departmental Approval

This course offers a more extensive scope of material and a higher level of problem solving than that which is required in Precalculus, while offering a greater accessibility and a less demanding range of topics than in the Honors Precalculus course. Students frequently encounter word problems, and at every stage are encouraged to think logically and analytically. Thorough attention is paid to the facts and skills required for the study of calculus.

Honors Precalculus

28302

Prerequisite: Accelerated Algebra II and Departmental Approval

This course is designed to provide students with effective preparation for Advanced Placement Calculus and future college-level mathematics and science courses. Throughout the course the development of the student's problem-solving ability is emphasized. The topics covered include functions, graphs, polynomials, exponential functions, logarithms, rational functions, trigonometry, parametric equations, conic sections, polar coordinates, systems of equations and inequalities, vectors (in two and three dimensions), sequences, series, mathematical induction, counting principles, and probability.

Statistics

28431

Grade Level: 12th

Prerequisite: Algebra II

This course is designed for students who have taken math in our regular track and will be pitched at a level accessible to all students who have passed Algebra II. Concepts will be tackled both on a descriptive and a quantitative level, with data sets being summarized using graphs and numerical measures. Statistical quantities will be evaluated both using basic arithmetical operations and using the more direct methods provided by technology. Throughout the course, interpretation of statistical quantities and graphs will be emphasized, and the concepts covered will be directly applied through surveys and other data-collection projects. Topics will include univariate data, correlation and regression, probability, random variables and probability distributions, sampling distributions, and statistical inference.

Calculus

28405

Prerequisite: Precalculus

This course introduces students to the methods of calculus and the ideas that lie behind them. Concepts are presented in an intuitive way and students develop their calculus skills in varying contexts and applications. The graphing calculator is used to clarify concepts and to produce solutions that cannot be found using paper-and-pencil methods. Topics include differentiation, applications of the derivative, techniques of differentiation, trigonometric functions, exponential and logarithmic functions, integration, techniques of integration, and differential equations.

Accelerated Calculus

28406

Prerequisite: Precalculus and Departmental Approval

This course covers all the topics included in Calculus, with more demanding problems being tackled within those topic areas. Additionally, some topics that are more advanced than those in Calculus are covered. This course offers a strong basis in the ideas required for college courses in calculus and other mathematical disciplines.

AP Statistics

28427

Grade Level: 11th–12th

Prerequisite: Honors/Accelerated Precalculus and Departmental Approval or A average in Honors Algebra II and Departmental Approval

This course consists of a full academic year of work in preparation for the Advanced Placement examination. Students study the techniques of data collection and learn how to analyze the results both qualitatively and quantitatively. The graphing calculator is used extensively both for data display and for the precise statistical tests used in business, industry, and science. The topics studied include sampling, experimental design, probability, the normal distribution, the t-distribution, the binomial distribution, the chi-square distribution, the central limit theorem, correlation and regression, confidence intervals, and hypothesis testing.

AP Calculus AB

28407

Prerequisite: Accelerated Precalculus and Departmental Approval

An Advanced Placement course in mathematics consists of a full academic year of work in calculus comparable to that undertaken in colleges and universities. Calculators are used for solving equations numerically, evaluating derivatives and integrals, and for demonstration of calculus concepts. The topics covered in the course include functions and graphs, limits and continuity, derivative formulas, the Mean Value Theorem, related rates of change, antiderivatives, differential equations, the Fundamental Theorem of Calculus, the trapezoidal rule, areas between curves, volumes of solids of revolution, and techniques of integration.

AP Calculus BC

28417

Prerequisite: Honors Precalculus and Departmental Approval

AP Calculus BC is a full-year course in the calculus of functions of a single variable. In addition to all the topics covered in the AP Calculus AB course, the BC course covers derivatives of vector functions and parametrically defined functions, the area bounded by polar curves, logistic growth functions, the length of a path, work as an integral, improper integrals, convergence of sequences and series, power series, and Taylor polynomials.

Honors Math: Multivariable Calculus

28501

Prerequisite: AP Calculus BC and Departmental Approval

This course is an equivalent of a college Calculus 3 course. The topics covered include functions of several variables, vector-valued functions, partial differentiation, multiple integration including changes of variables, the gradient of a scalar field, the divergence and curl of a vector field, line integrals, surface integrals, Green's theorem, the divergence theorem, and Stokes' theorem.

Honors Math: Linear Algebra

28502

Prerequisite: Multivariable Calculus and Departmental Approval

This course is equivalent to a college undergraduate Linear Algebra course. The topics covered include solution of systems of linear equations, Gaussian elimination, matrices and their inverses, linear independence and dimension, linear transformations, orthonormal bases, determinants, eigenvalues and eigenvectors, positive definite matrices, and the singular value decomposition.

Many students who complete AP Calculus BC before their senior year continue into Multivariable Calculus, which is offered annually. In addition, the Department offers one further proof-based, upper-level undergraduate course each year for qualified students. These advanced offerings rotate among Linear Algebra, Real Analysis, Complex Analysis, and Mathematical Statistics. The specific course is determined by the Department based on student preparation and interest. In 2026–2027, the additional course will be Linear Algebra.

MATHEMATICS—GREENWICH ACADEMY

The department of mathematics at Greenwich Academy is dedicated to helping young women acquire the confidence and the fundamental skills necessary to succeed in mathematics. Students are empowered within the classroom environment to develop literacy and proficiency in mathematics as well as a command of mathematical concepts and problem-solving strategies. With a curriculum grounded in algebra, geometry, calculus and statistics, students develop strong analytical skills that provide a strong foundation for further study in mathematics or math- related courses after high school.

Algebra I

26010

Prerequisite: Pre-Algebra

Algebra I introduces students to graphical and algebraic exploration of linear, quadratic, rational, and radical functions. Students learn various techniques for simplifying and solving linear, polynomial, rational, and radical equations both algebraically and graphically. Applications involving data analysis, geometry, and trigonometry are also included.

Geometry

26100

Prerequisite: Algebra I

Geometry helps students develop a strong spatial understanding as they explore two-dimensional shapes in Euclidean and Cartesian coordinate geometry. Parallel lines and planes, congruence, similarity, polygons and quadrilaterals, circles, and right triangle trigonometry are the core topics of this course. Deductive reasoning is motivated by investigation, and Algebra I skills are integrated into all applications of the concepts studied. Completion of this course fulfills the Geometry diploma requirement.

Accelerated Geometry

26101

Prerequisite: Algebra I and Departmental Approval

Geometry Accelerated parallels Geometry, with topics covered in greater depth and at a faster pace. The course emphasizes the traditional elements of Euclidean geometry. Deductive reasoning is motivated by student investigation, done both individually and collaboratively. Students are expected to have strong Algebra skills and will be asked to do some of their learning independently as they test hypotheses and make conclusions based on their work. In addition to Euclidean geometry, students will study coordinate geometry, congruence, similarity, and right triangle trigonometry in depth.

Honors Geometry

26102

Prerequisite: Algebra I and Departmental Approval

Honors Geometry assumes that students are ready to think and work independently. This course leads students to investigate complex geometric concepts and proofs, and develop a foundation in deduction and problem-solving. In addition to Euclidean geometry, students investigate the Cartesian coordinate plane (linear functions and conic sections), transformations, sets, vectors, and right triangle trigonometry.

Algebra II

26200

Prerequisite: Geometry

The development of a strong fundamental understanding of polynomials, rational, radical, and trigonometric functions and expressions is the foundation of Algebra II. Students are expected to gain a working knowledge of polynomial, rational, radical, and trigonometric equations and inequalities, as well as develop a solid understanding and analysis of functions. Among the topics introduced are the basics of trigonometry, logarithmic and exponential functions and equations.

Accelerated Algebra II

26201

Prerequisite: Accelerated Geometry and Departmental Approval

In this course, the concepts established in Algebra I and Geometry are extended to more advanced topics. The development of a strong fundamental understanding and analysis of functions, with a focus on polynomial, rational, logarithmic, exponential, and trigonometric functions is the principal objective. Students use algebraic and graphical techniques to obtain numerical solutions to complex equations. The ability to work and learn independently is an integral part of Algebra II Accelerated and is expected for success in this course.

Honors Algebra II

26202

Prerequisite: Honors Geometry and Departmental Approval

Honors Algebra II exposes students to advanced algebraic concepts and problem solving. Students are expected to work with a great deal of independence as they master algebraic manipulation, graphical applications, and problem solving techniques. A thorough development of the polynomial, rational, trigonometric, and logarithmic functions and their inverses highlights the course.

Precalculus

26300

Prerequisite: Algebra II

Precalculus is designed to give students a solid algebraic and graphic understanding of polynomial, rational, trigonometric, exponential, and logarithmic functions. New topics are introduced and subject areas already encountered in Algebra II are covered in greater detail, with more complex problems encountered at every stage. The graphing calculator is an important tool in this process. Upon completion of this course, students will be recommended for either Calculus or Statistics.

Accelerated Precalculus

26302

Prerequisite: Accelerated Algebra II and Departmental Approval

Accelerated Precalculus continues to develop the study of functions begun in Algebra II, including polynomial, rational, trigonometric, logarithmic, and exponential functions. In addition, students investigate conic sections, the basic concepts of the limit, the derivative, and some simple derivative rules. The graphing calculator is an important tool in this process. Upon completion of this course, students will be recommended for either AP Calculus AB: Accelerated or AP Calculus AB: Honors

Precalculus+

26315

Prerequisite: Accelerated Algebra II or Algebra II with Departmental Approval

Precalculus+ further develops the study of functions begun in Algebra II or Algebra II Accelerated, including polynomial, rational, trigonometric, logarithmic, and exponential functions. A focus of this course is in solidifying the skills required to be prepared for the study of Calculus the following year. Students will also be exposed to the basic concept of limits and derivatives. Upon completion of this course, students will be recommended for either Calculus or AP Calculus AB: Accelerated.

Honors Precalculus

26303

Prerequisite: Honors Algebra II and Departmental Approval

This course is designed to prepare students for Advanced Placement Calculus BC as well as further college level study in mathematics. The first semester continues with the study of functions begun in Algebra 2 Honors with an emphasis on the student's problem solving ability. Discrete mathematics is introduced including such topics as combinatorics and probability, polar coordinates and functions, vectors, parametric functions, matrices, and sequences and series. The second semester focuses on the study of differential calculus including all applications of limits, continuity, differentiation, and derivative applications.

Calculus

26404

Prerequisite: Precalculus and Departmental Approval

This is a senior elective course that provides an introduction to differential and integral calculus. This course deals with the rules of differentiation, the applications of the derivative to graphing, rates of change, and optimization. Students will investigate techniques of integration, focusing on the Fundamental Theorem of Calculus as applied to areas under the curve, between curves, volumes of solids, and accumulations functions.

Statistics

26405

Prerequisite: Algebra II and Departmental Approval

The goal of this senior elective is to help students understand numerical information and enable them to make decisions based on their interpretation of this information. This is an activity-based course that introduces statistical concepts and builds a foundation applicable to a wide variety of disciplines. The topics studied include data collection, graphical representation, normal distribution, bivariate data, and inference.

AP Calculus AB: Accelerated

26410

Prerequisite: Accelerated Precalculus or Precalculus+ with Departmental Approval

This is a college-level course in calculus requiring effort and motivation. The topics covered include functions and graphs, limits and continuity, derivative formulas, the Mean Value Theorem, related rates of change, antiderivatives, differential equations, the Fundamental Theorem of Calculus, areas between curves, volumes of solids and revolution, and techniques of integration. All students in this course will take the AB Calculus Advanced Placement Exam at year's end.

AP Calculus AB: Honors

26415

Prerequisite: Accelerated Precalculus and Departmental Approval

This is a college-level course in calculus requiring high levels of motivation, effort, and independent synthesis of ideas. The topics covered are the same as in AP Calculus AB: Accelerated but with a deeper look. A high level of focus is placed on problem-solving, applications of ideas, and problems that extend the concepts of the course beyond our other levels of Calculus offered. Students will utilize the graphing calculator throughout, and all students will take the AB Calculus Advanced Placement Exam at year's end.

AP Calculus BC

26417

Prerequisite: Honors Precalculus and Departmental Approval

Calculus BC is a full-year college-level course in the study of calculus of functions of a single variable. Considerable effort and motivation are required for success in this course, as well as an ability to work and learn independently. The course begins with a review of the topics covered in Honors Precalculus including all applications of limits, continuity, and differentiation. Integration of polynomial, trigonometric, and logarithmic functions is introduced, and integration and differentiation techniques are applied to vector, polar, and parametrically defined functions. The BC course concludes with the study of differential equations, improper integrals, convergence of sequences and series, and Taylor polynomials. All students in this course will take the BC Calculus Advanced Placement Exam at year's end.

AP Statistics

26428

Prerequisite: Honors Algebra II or Accelerated Algebra II with Departmental Approval

This course consists of a full academic year of work in preparation for the Advanced Placement examination. Students learn the techniques of data collection, conduct their own experiments and surveys, and learn how to analyze the results both qualitatively and quantitatively. The TI-84 calculator is used extensively both for data display and for the precise statistical tests used in business, industry, and science. The topics studied include sampling, experimental design, probability, the normal distribution, the t-distribution, the binomial distribution, the chi-squared distribution, the central limit theorem, correlation and regression, confidence intervals, and hypothesis testing.

Honors Seminar: Multivariable Calculus

26435

Prerequisite: AP Calculus BC and Departmental Approval

This course is a university-level course in Multivariable Calculus for functions of two or more variables. Course topics include a study of two- and three-dimensional vector space, vector-valued functions, surfaces in three dimensions, tangent and normal vectors, partial derivatives, continuity and differentiability of functions of two or more variables, directional derivatives, gradient vectors, and methods of calculating maxima and minima

including Lagrange multipliers. Integral topics include double and triple integrals in all coordinate systems, surface areas of parametrically defined functions, change of variables and the Jacobian, vector fields, flux, and various other applications to physics, line integrals, Green's theorem, the divergence theorem, and Stokes' theorem. This course requires significant self-motivation and independent learning, and thus admission to the course is selective.

Honors Seminar: Linear Algebra

26434

Prerequisite: AP Calculus BC or Honors Precalculus with Departmental Approval

This course is equivalent to a university-level course in Linear Algebra. Topics covered in the fall include: introduction to matrices and matrix operations, vector spaces, linear transformations, and eigenvalues and eigenvectors. Developing strong proof-writing techniques is heavily emphasized, as are strong computational skills. Topics in the spring focus on selected applications of Linear Algebra, including but not limited to: higher order differential equations, systems of differential equations, statistics, graph theory, and hard sciences. The class will culminate with an independent research project and presentation of the student's choice related to linear algebra or its applications. This course requires significant self-motivation, independent learning, and abstract thinking; admission to the course is selective. Motivated and passionate math students might consider taking this course concurrently with AP Calculus BC or Honors Seminar: Multivariable Calculus.

Honors Seminar: Abstract Algebra

26438

Prerequisite: Honors Seminar: Linear Algebra and Departmental Approval

This university-level course in Abstract Algebra is designed for students who are considering pursuing pure mathematics or related fields in college. We will explore common properties of mathematical systems and structures and generalize them to answer broad questions relating to solving equations, divisibility, and even what polygons can or cannot be constructed using a straightedge and compass. In the first semester, we will cover the material in a standard first course in Abstract Algebra, including: groups, subgroups and normal subgroups, cyclic groups, permutation groups, rings, fields, as well as group and ring homomorphisms. In the second semester, we will explore various extensions and applications, potentially including Galois Theory, Algebraic Number Theory, Polya-Burnside Enumeration, and Geometrical Constructions. The course will have a heavy emphasis on proofwriting and will prepare students for future rigorous abstract math courses.

HISTORY AND SOCIAL SCIENCES

The Brunswick and Greenwich Academy History & Social Sciences Departments have developed a curriculum based on the premise that history and humankind are shaped by the past. Therefore, the examination of the past is paramount in preparing for the future. Furthermore, the study of history and the social sciences is critical to understanding the institutions and functioning of human society. At both Greenwich Academy and Brunswick, students develop historical thinking skills, learn how to analyze their own and others' opinions, and participate in civic and community life as active, informed citizens. Reading, writing, and speaking skills are promoted rigorously throughout the program.

Opportunities for pursuing history and/or social studies beyond the classroom are:

- Current Events Clubs at both Greenwich Academy and Brunswick School
- Debate teams at both Greenwich Academy and Brunswick School
- Participation in National History Bee and Bowl
- Participation in National History Day Competition
- Participation with other schools in the Model U. N. program and Harvard's Model Congress

Modern World History

31002

Grade Level: 9th

Prerequisite: None

*Required course

Modern World History (1750–2000) is a required course that introduces core ideological concepts that define and dominate the modern era. The course is chronological, but explores recurring themes such as globalization and its impact, the origins of racial classification and prejudice, technology and demographic change over time, the development of social and economic systems of power imbalance within and across societies, and the influence of revolution and reform movements, both nationally and internationally. Throughout the course, students will consider the historical construction and development of human identity within and across societies and as drivers of modern world historical development. The class builds toward an understanding of the critical influence of historical events and ideologies on the present. Students will continue to develop their critical thinking skills with the use of primary and secondary sources, as well as the ability to synthesize and analyze historical events.

United States History

33000

Grade Level: 10th–12th

Prerequisite: None

*Required course

This survey course in United States history uses central themes like the pursuit of liberty, debates over the appropriate role of government, and America's role in the world to help students understand continuity and change in the American past, and to make connections between the past and present. It begins with an exploration of the nation's founding, and covers the sweep of the 19th and 20th centuries. It is designed to develop academic skills like reading comprehension, analytical thinking, research and writing, as well as historical thinking skills: contextualization; historical argument development; substantiation; and evaluation. With the help of maps and original and interpretive sources, students explore American politics, economics, society, and values. Class discussions and debates help develop communication skills and stimulate ideas to be pursued in required student research and writing.

ADVANCED PLACEMENT & HONORS HISTORY

Advanced Placement Prerequisite Statement–APPS

Advanced Placement courses in History (European, United States, World and Art History), U.S. Government & Politics, Comparative Government, Psychology, Economics and Human Geography are highly demanding. Admission to these courses is dependent upon approval of both the Greenwich Academy and Brunswick History & Social Sciences Departments.

Minimum grade requirements for applying to a given course are as follows:

Current Freshmen should have at least three quarters earning at least an **A-** in Modern World History in addition to an **A-** or higher on the mid-year exam.

Current Sophomores should have an **A-** in their current non-AP course or a **B+** in their current AP History course to be considered for an AP course for the following year. Mid-year exam performance is given equal consideration to quarter grades.

Current Juniors should have at least a **B+** in their current non-AP History course or at least a **B** in their current AP History course to be considered for an AP course for the following year.

AP Psychology, AP Economics and AP Business and Personal Finance may **not** be taken concurrently.

Enrollment in two Honors/AP courses is contingent upon successful completion of one prior Honors/AP level course.

Please note: Rising Seniors are given placement preference over Rising Juniors, Rising Juniors over Rising Sophomores.

All interested students must first complete and submit an application form. The respective department heads evaluate these forms, analyzing both their quantitative and qualitative merits. The criteria for acceptance include the following: the recommendation of the student's most recent history teacher; history and other relevant course grades over the past two years, the student's overall G.P.A., total academic and co-curricular commitments, and demonstrated evidence of enthusiasm for the subject matter. The final decision is contingent upon successful completion of the candidate's present history course, and dependent on space, availability in course section.

Students enrolling in any AP course **must take** the AP Examination in that course—even if they have been accepted to college/university. In the first two quarters of the academic year, students who are performing below the normal standard for any given AP course may be asked to switch to a non-AP elective if their level of effort and/or achievement does not improve over time. Finally, students may not opt out of an AP **of their own accord** after the add/drop period has passed

Honors American Studies **

13200 & 36427

Grade Level: 10th

Prerequisite: Departmental Approval from both History and English departments (see APPS)

Honors American Studies offers passionate students of the humanities an opportunity to explore the culture and history of the United States through a rigorous interdisciplinary approach. This double credit course will dive deep into primary and secondary texts, including essential and challenging works of American literature, alongside the historical context in which the authors lived, and that the works depict. The course will establish a firm understanding of American history, and will enhance students' historical thinking skills, and historical research methods and primary source analysis. The course will seek to answer questions such as: What is the American story?, Who tells the American story?, and How did we get here?, and it will explore themes including Freedom and Democracy, Faith and Belief, and Community and the Individual. As a multi-disciplinary course it will explore art, film and music as expressions of American culture, and will include field trips to local institutions. This is a reading and writing intensive course, co—taught by English and history teachers.

In addition to recommendations from current English and History teachers, students will complete a written component in the course approval process.

** **Honors American Studies** comprises two distinct courses - *Honors American Studies: Literature* (#13200) **and** *Honors American Studies: History* (#36427) - that students will take in two separate blocks. Accepted students will satisfy their 10th grade English and 10th grade History requirements by taking the two courses. Acceptance into **Honors American Studies** requires enrollment into both *Honors American Studies: Literature* **and** *Honors American Studies: History*.

AP United States History

33070

Grade Level: 10th–12th

Prerequisite: Departmental Approval (see APPS)

*Fulfills departmental course requirement

The Advanced Placement course in U.S. History presents a college-level survey course to secondary school students. It differs from the regular American History course in that students are expected to perform more independently and analytically and be responsible for a heavier reading load. While the basic content and skills are the same, the course examines in greater depth such areas as political philosophy, intellectual and social movements, foreign policy, and historiography. More time is devoted to the study of primary and interpretive sources and the writing of expository essays. The course prepares students for the Advanced Placement examination in American History, given in May.

AP African American Studies

36426

Grade Level: 11th–12th

Prerequisite: Departmental Approval (see APPS)

*Fulfills departmental course requirement

AP African American Studies is an interdisciplinary course that examines the diversity of African American experiences through direct encounters with varied sources. Students explore key topics that extend from early African kingdoms to the ongoing challenges and achievements of the contemporary moment. Given the interdisciplinary character of African American Studies, students in the course will develop skills across multiple fields, with an emphasis on developing historical, literary, visual, and data analysis skills. This course foregrounds a study of the diversity of Black communities in the United States within the broader context of Africa and the African diaspora. AP African American Studies is organized by four thematic units that follow a chronological flow across the course. Throughout each unit, students build interdisciplinary analytical skills through deep encounters with a wide range of texts and sources.

AP Art History

36467

Grade Level: 11th–12th

Prerequisite: Departmental Approval (see APPS)

*Fulfills departmental course requirement

This course explores the global history of art from the Prehistoric period to the present and prepares students for the AP Art History exam in May. Art historians study works of art in their specific cultural contexts and analyze the role of art in society. The AP Art History course explores the political, economic, religious, intellectual, and social conditions that account for artistic production. We examine artifacts from Europe, the Near East, Asia (including China, Japan, and India), Africa, the Americas, and the Pacific region. The course is interdisciplinary in nature, including considerations of archeology, patronage, materials, and conservation. We begin with the question of what constitutes “art,” then move from a study of ancient Egyptian pyramids, Greek temples, and Renaissance painting to an examination of African sculptures, Mayan pyramids, and Chinese bronzes. Expansive in scope and time, the course concludes with a study of global contemporary art. Students engage in analytical writing, public speaking through Power Point and Podcasts, and a variety of creative projects. Field trips to the Metropolitan Museum of Art, the Museum of Modern Art, and other museums and galleries complement the curriculum.

AP Comparative Government & Politics

36420

Grade Level: 11th–12th

Prerequisite: Departmental Approval (see APPS)

*Fulfills departmental course requirement

AP Comparative Government and Politics will introduce the student to critical issues in contemporary and historical world politics. The course begins with a conceptual approach to political science through the introduction of themes such as power, political culture, and political organizations and institutions. Students use those themes to compare and to contrast the political experiences of specific nations. They examine Iran, Great Britain, Nigeria, Mexico, Russia and China and identify the characteristics of political systems that both distinguish and unite diverse countries. By the end of the course, students gain a stronger understanding of international issues of globalization, economic and political power, and political institutions, theories and movements.

This is a great class for someone who: Is interested in politics outside of America, likes to discuss current global events and wishes to get to the philosophical core of different political institutions, theories and movements.

AP European History

32007

Grade Level: 11th–12th

Prerequisite: Departmental Approval (see APPS)

*Fulfills departmental course requirement

This class is designed to mimic—in both its depth and breadth—an introductory college course in European history. The course content begins in the Renaissance and culminates with a study of post-Cold War Europe. Throughout the year students examine the political, economic, social, religious, intellectual, and artistic developments that played, and continue to play, a crucial role in shaping European society and the world beyond. The curriculum prepares students for the AP European History examination, which asks students to display a solid understanding of the principal themes in European history through multiple choice and free-response essay questions and an ability to work critically with historical documents.

AP Human Geography

36419

Grade Level: 11th–12th

Prerequisite: Departmental Approval (see APPS)

*Fulfills departmental course requirement

After taking AP Human Geography, students will have a much greater understanding of why the world looks and functions the way it does. This course studies the patterns of human activity on the earth’s surface and the underlying processes that give rise to these patterns. For example, one can study coffee production in the world (pattern), but s/he must understand the history of colonialism, the role of multinational corporations, and increasing economic interdependence (processes) that influence the distribution of coffee growers in tropical regions. The main areas of study are population and migration, culture, political geography,, agricultural and rural land use, industrialization, economic development and urban land use. Throughout the course, students will use a wide array of maps, charts and photographs to conduct geographic analysis which will allow them to make sense of the world around them.

AP United States Government & Politics

38417

Grade Level: 11th–12th

Prerequisite: Departmental Approval (see APPS)

*Fulfills departmental course requirement

This college-level course prepares students for the AP United States Government & Politics examination through exploration of both general concepts and specific case studies, providing a more thorough understanding of the institutions, groups, and beliefs that make up the nation's political reality. The curriculum includes: Philosophical underpinnings of American political culture; the study of the constitutional basis of the U.S. government; the role of public opinion, political ideology, political parties, elections, interest groups, and the media in our political system; the interaction of the three major branches of national government; the development of civil liberties and civil rights. Likewise, the types of exercises and assignments given are meant to enhance their test-taking skills, enabling the students to approach the exam with both confidence and a high degree of competence. Current events are also a critical part of the class program; each student will choose a story and present each semester during the course of the year on topics related to the AP-required units.

AP World History

38418

Grade Level: 11th–12th

Prerequisite: Departmental Approval (see APPS)

*Fulfills departmental course requirement

AP World History offers students a rich understanding of world historic patterns from 1000 CE to the present, as well as the opportunity to dig deep into primary and interpretive sources, conceptual thinking, and historiography. In depth and breadth it mimics an introductory college course, using chronology, geographic regions, and themes to bring clarity to the content. The class seeks to answer the questions of how and why political, social, and demographic dynamics exist as they do in the 21st century. Students will develop an understanding of religious, philosophical, and intellectual traditions, and the major events that have served as turning points in world history. Truly global in nature, the class will examine the regions of Asia, Africa, Europe, and the Americas and adheres to the AP emphasis on comparison, change over time, point of view, and historical context.

FULL-YEAR HISTORY ELECTIVES

Debate and Society

39045

Grade Level: 10th–12th (For 10th graders, concurrent with U.S. History)

Placement preference will be given to rising Juniors and Seniors.

Prerequisite: None

*Fulfills departmental course requirement

This year-long course introduces students to the practice of oral argumentation as a way of investigating both modern and historical contentious issues. Students come to understand the basic structures and tools of argument construction while addressing questions of the modern world, such as inequality, criminal justice, police action, environmental policy, and biomedical ethics. Special emphasis is taken to provide meaningful historical/political context for applicable topics, as this is a course that meets the history requirement. Additional emphasis is placed on selecting topics that are relevant to current events and foster a better understanding of civics and society. As with any argument, research of evidence will be required, along with practicing thesis construction. Debate is a shared journey toward truth that brings debaters closer together, even when they represent opposing sides of an issue or come from vastly different perspectives. There are two primary goals of this course. The first is to teach you how to debate and hone all the skills associated with such a talent, not the least of which is being a confident public speaker. The second is to examine contemporary local and global issues through the lens of oral argument, requiring historical context. In so doing, debate fosters the essential democratic values of free and open discussion. In taking this class you will have a lot of fun, emerge a more confident public speaker, and bolster the tools needed to make our democracy more vibrant.

Honors Civil Rights Seminar (Expedition Course)

33010

Grade Level: 11th–12th

Prerequisite: Departmental Approval (see APPS)

*Fulfills departmental course requirement

This course examines the origins and advancements of 20th century civil rights history in the United States. Students will examine the history of legalized segregation, the fight for voting rights and the modern civil rights struggle with specific emphasis on the writings and example of Rev. Dr. Martin Luther King, Jr. Several case studies will be provided in order to critique and evaluate the effectiveness of nonviolence as a tool for advancing civil rights and peace nationally and internationally. Students will complete a historical research project and are expected to participate in a one week trip to Georgia, Alabama and Tennessee as part of this course.

Honors Seminar: A History of Women and Power

36425

Grade Level: 11th–12th

Prerequisite: Departmental Approval (see APPS)

*Fulfills departmental course requirement

Have you ever asked why institutions like GA and Brunswick teach math separately? Have you noticed the little sections in history textbooks that address the historical experiences of women separately, as if women are not integrated into “regular” history? Or have you wondered why there hasn’t been a woman president of the United States? This course will interrogate the complex history of women’s roles and their access to power from both an American and global perspective. This journey will take you from ancient civilizations to the modern era, examining the impact of cultural, social, and political factors on women’s empowerment, and the impact women have had on their societies. Discover the stories of influential women who have wielded power in various ways, both within and outside formal power structures. Engage in thoughtful discussions about contemporary issues related to women and power, such as the gender gap in leadership and economics, the role of women in social movements, and the impact of media representation on women. Through critical analysis of historical data, primary and secondary sources including art, film and music, students will interpret and synthesize information and hone their historical thinking skills. Students will complete independent historical research projects in both semesters.

Honors Seminar: Humanities and Social Science Research

36424

Grade Level: 11th–12th

Prerequisite: Departmental Approval (see APPS)

*Fulfills departmental course requirement

The seminar course offers students the opportunity to conduct advanced research similar to that of professional historians and social scientists. This year, the course will focus on the decades of the 1980s and 90s. In the first semester, students will be introduced to a range of analytical tools and research methodologies through a class project on Greenwich Academy’s Bicentennial as well as individualized projects on themes of the period. In the second semester, students will work independently on staged assignments leading up to a research paper of approximately 5,000 words (~20 pages). During this time, students will not only design and execute their own project but will actively engage with the research of their peers through workshops and peer review. If appropriate, the completed projects might lend themselves to publication or conference presentation.

Reliving the Past! Historical Simulations and Games

38510

Grade Level: 10th–12th (For 10th graders, concurrent with U.S. History)

Placement preference will be given to rising Juniors and Seniors.

Prerequisite: None

*Fulfills departmental course requirement

Reliving the Past! Historical Simulations and Games is a full year course designed using a game based approach to the learning and study of history. Throughout the first semester, students will literally “live” history, taking on various roles throughout some of the most transformative historical events, including the Black Death (1347-1348), Second Continental Congress (1775-1781), the Cuban Missile Crisis (1962), and the Taiwan Strait Crisis (1954-Present). Each unit is based around an expertly designed, educational simulation, with all readings, videos, and classwork assignments furthering the game experience. These simulations will help students understand particular historical events (watershed moments) that helped shape and define the social, economic, cultural, and political mores of the time. In the second semester, students will immerse themselves in game design thinking, and will play a variety of board games to get a better understanding of game mechanics, theory, and the importance of balanced playability. To conclude, students will form game design teams with the goal of designing their own historical game from the ground up, starting with a concept, experimenting with game mechanics, and playtesting to determine the best version of their product. Students will support one another through this process, and receive feedback. At the end of the school year, students will unveil their games to the class and both play and present their final products. In a world ever being dominated by digital technology, artificial intelligence, and other inorganic templates for learning, physical experiences using a game based approach are growing in popularity. If you’ve ever wanted to learn history in a fun, sophisticated way, this is the course for you!

FALL SEMESTER COURSES

Criminal Justice (f)

36469

Grade Level: 11th–12th

Placement preference will be given to rising Seniors.

Prerequisite: None

*Fulfills departmental requirement

Why do so many people end up in jail? Look behind the headlines and analyze the historic foundations of the criminal justice system. Critically review the procedures related to how people end up in court (including police stops, interrogations, arraignments, trials, pleas, and sentencing) and examine the historic context of criminal laws, Constitutional protections for individuals, historic case law, statutes, police and court procedures. Delve into differences between state and federal law and how and why “justice” may vary for different individuals. Read and analyze key primary documents (the Constitution, statutes, trial documents, Supreme Court opinions). Learn legal terminology, constructs, and procedures. Examination of case studies, trial elements, and analytical and creative writing will be at the center of student led project work. Class discussions and participation are key to forming views about how historical choices have shaped our legal system. Weigh citizens’ rights against the tools at the prosecutors’ disposal in real life scenarios and cases. Analyze our current and past policies regarding imprisonment and sentencing. Develop your own view about what works or doesn’t in our criminal justice system.

History of Warfare: Strategy and Tactics in the Ancient and Medieval World 765 BCE-1500 CE (f)

38501

Grade Level: 10th–12th (For 10th graders, concurrent with U.S. History)

Placement preference will be given to rising Juniors and Seniors.

Prerequisite: None

*Fulfills departmental requirement

This course will focus on understanding the development of warfare from classical antiquity and into the later half of the Middle Ages. Students will be introduced to the most basic, core fundamentals of the ways in which armies fight, and the political, economic, and social elements that are inevitably tied to the concept of war. Specifically, students will become familiar with both the ancient and medieval world, with an emphasis on the ways in which societies conducted war and why. The course will begin with the Persian and Peloponnesian Wars, followed by a look at the Roman world. Then, students will see how warfare devolved into regional conflicts involving Normans, Saxons, and Vikings during the medieval era, culminating with a return to organized warfare in the form of the Crusades. The semester will end with a look at warfare during the Later Middle Ages, particularly the Hundred Years War. Students should expect both primary and secondary source readings, film and documentary clips, and game based learning models in which they’ll be asked to play strategy games in connection with the course material.

International Relations (f) (Expedition Course)

36481

Grade Level: 10th–12th (For 10th graders, concurrent with U.S. History)

Placement preference will be given to rising Juniors and Seniors.

Prerequisite: None

*Fulfills departmental requirement

Enrollment in the course is a commitment to attend an international conference in January 2027 at the beginning of the second semester. Financial aid is available for GA students. Preference will be given to upperclassmen and students with experience in model government.

Why do nations go to war—or choose cooperation instead? How do international institutions attempt to manage conflict, protect human rights, and address global challenges? This semester-long, experiential course introduces students to the theory and practice of international relations, examining how states, international organizations, NGOs and other non-state actors interact in an increasingly interconnected world. Students will explore major global issues such as diplomacy and conflict, international security, human rights, economic development, and environmental governance, with particular attention to the role of the United Nations. Students will develop competence in the specialized vocabulary of international relations and diplomacy, hone research and writing skills in preparation of position papers and policy memos, and engage in regular discussions of current events. The course culminates in student participation in an international Model United Nations conference in The Hague, the Netherlands where students represent member states and apply their learning in an authentic diplomatic setting.

Modern American Society through Film (f)

38430

Grade Level: 10th–12th (For 10th graders, concurrent with U.S. History)

Placement preference will be given to rising Juniors and Seniors.

Prerequisite: None

*Fulfills departmental requirement

In a 2017 interview, Jordan Peele explained the concept behind his horror film *Get Out* by reflecting, “Society is the scariest monster.” This course critically examines American Society by analyzing *Get Out* and the way Peele drew on past films to comment on race while also creating the horror that defines his iconic film. Organized thematically, it places *Get Out* in dialogue with significant films that continue to shape American society: *Jazz Singer* (1927), *Guess Who’s Coming to Dinner* (1968), *West Side Story* (1961/2021), and *Crimson Kimono* (1959). It explores how the representation of Americans have changed over time in response to shifting historical contexts and the changing values of theater audiences. Assignments will include short critical reflection papers, video essays, and in-class writing assignments.

More Than Gold: The Olympics and the Politics of Sport (f)

38511

Grade Level: 10th–12th (For 10th graders, concurrent with U.S. History)

Placement preference will be given to rising Juniors and Seniors.

Prerequisite: None

*Fulfills departmental requirement

From ancient stadiums to global mega-events watched by billions, the Olympic Games have never been “just sports.” This course explores the Olympics as a powerful window into modern world history, where athletic competition collides with nationalism, politics, race, gender, media, and global power. Students will examine how the modern Olympic movement emerged in the late 19th century and how it has been shaped by war, empire, ideology, protest, and commercialization. Through case studies ranging from the Berlin Games of 1936 to Cold War boycotts, athlete activism, and the modern media spectacle, students will investigate how nations use sport to project identity, prestige, and power on the world stage. Using a mix of primary sources, film, journalism, speeches, and visual media, students will develop historical thinking skills while debating big questions: Can sports ever be apolitical? Who gets to represent a nation and at what cost? Do the Olympics unite the world, or expose its deepest divisions? This discussion-driven course emphasizes analysis, debate, short analytical writing, and historical research, encouraging students to see sport not as an escape from history, but as one of its most revealing arenas.

The World at War (f)

38502

Grade Level: 10th–12th (For 10th graders, concurrent with U.S. History)

Placement preference will be given to rising Juniors and Seniors.

Prerequisite: None

*Fulfills departmental requirement

The years 1914–1945 were the crucible that formed the modern world. These years marked the fall of many great empires (Russian, German, Ottoman, and Austro-Hungarian), the demise of Great Britain and France in addition to the rise of the United States and Soviet Union as the dominant world powers. Encompassing two world wars, the worst economic crisis in world history, a global pandemic, the Holocaust, and culminating in the rise of the Atomic Age, this period was in many ways the defining period of the 20th century. The course will begin with a review of the factors that led to the start of the Great War and finish with the implications of the U.S. decision to use the atomic bombs on Japan. Special attention will be given to the historical theory that regards this period as one long war (the second Thirty Years War) rather than two separate conflicts. We will also examine the impact of these wars on both America and the world and how they combined to help create the world we live in today.

SPRING SEMESTER COURSES

Cinema and Society (s)

38431

Grade Level: 10th–12th (For 10th graders, concurrent with U.S. History)

Placement preference will be given to rising Juniors and Seniors.

Prerequisite: None

*Fulfills departmental requirement

This course critically examines American Cinema through Jordan Peele's Horror Masterpiece *Get Out* (2017). It seeks to understand the conflicting visions for a multi-cultural society through the shifting cinematic portrayals of urban/suburban spaces, gentrification, and the rise of a global economy. The course concludes by documenting Muhammed Ali's career and its influence on the iconic boxing film *Rocky* (1976). A final unit uses film to understand the history of immigration policy and the ongoing crisis at the border. Assignments will include short critical reflection papers, a video essay, and in-class exams.

Environmental History (s)

38422

Grade Level: 10th–12th (For 10th graders, concurrent with U.S. History)

Placement preference will be given to rising Juniors and Seniors.

Prerequisite: None

*Fulfills departmental requirement

Why are certain landscapes more appealing than others? Are national parks a good idea? What is environmental justice? What are the causes and effects of climate change in the U.S.? These and other related questions will be the focus of Environmental History – an interdisciplinary elective course that explores the interaction between people and environments from prehistory to the present. The course will consist of five units, each of which will trace the evolution of human engagement with the environment from the standpoint of a different topic. In the process of reading about the environment, engaging in scientific exploration outside, debating past and present American environmental policy, and traveling to a variety of natural settings, students in Environmental History will gain both an awareness of the ways in which human culture and the environment have shaped one another over time and an appreciation of the natural and cultural forces that have formed the world around them.

History of Warfare: Development of Linear Warfare 1700-1900 CE (s)

38504

Grade Level: 10th–12th (For 10th graders, concurrent with U.S. History)

Placement preference will be given to rising Juniors and Seniors.

Prerequisite: None

*Fulfills departmental requirement

This course will focus on understanding the development of linear warfare from the era of Frederick the Great up until its obsolescence during the First World War. Students will consider the rapid development of technology and its corresponding impact—or lack thereof—on typical military doctrines of the time. We will discuss how and why armies fought the way they did, how strategy and tactics were developed, the theories behind war in the 19th and early 20th century, and how warfare evolved and modernized. Topics include warfare in the “Age of Reason”, the Napoleonic world, the industrial wars of the late 19th century, and will culminate in a study of the campaigns of 1914. Students should expect both primary and secondary source readings, film and documentary clips, and game based learning models in which they’ll be asked to play strategy games in connection with the course material.

Leaders, Leadership, and Strategy (s)

38425

Grade Level: 10th–12th (For 10th graders, concurrent with U.S. History)

Placement preference will be given to rising Juniors and Seniors.

Prerequisite: None

*Fulfills departmental requirement

What defines a leader? How do leaders create winning teams? How do leaders effectively manage organizations to achieve long term goals and end-states? Students in this semester course will explore the different principles and styles of leadership, using examples from the military, political, business, and sports worlds. We will examine the character traits that contribute to successful leadership, as well as those traits that can cause leaders to fail. In addition, students will learn to understand the nature of strategy and study leaders who have developed and executed successful strategies. We will employ a variety of media, including texts, films, case studies, etc. as we seek to understand the different styles and domains of leadership and strategy. Assessments will include blog and response activities, a research paper analyzing the leadership of a chosen figure, as well as cumulative unit assessments.

Modern Middle East (s)

36414

Grade Level: 10th–12th (For 10th graders, concurrent with U.S. History)

Placement preference will be given to rising Juniors and Seniors.

Prerequisite: None

*Fulfills departmental requirement

While countries in the Middle East are often the subject of dire headlines, the context for those headlines is often unexplained or misunderstood. This semester course provides students with a foundation in the 20th century history of the Middle East and North Africa, in order to explore contemporary events in the region in greater depth. The class is organized around country case studies, while providing a chronological understanding of the region’s history. Topics of study include religious and ethnic identities, independence movements and democratization, the economics of oil, the rise of terrorism, and regional wars and revolutions. In addition to historical texts, students will engage with film, contemporary art, and music to better understand the region. This class is discussion and project based, with emphasis on critical thinking skills.

More Than Gold: The Olympics and the Politics of Sport (s)

38512

Grade Level: 10th–12th (For 10th graders, concurrent with U.S. History)

Placement preference will be given to rising Juniors and Seniors.

Prerequisite: None

*Fulfills departmental requirement

From ancient stadiums to global mega-events watched by billions, the Olympic Games have never been “just sports.” This course explores the Olympics as a powerful window into modern world history, where athletic competition collides with nationalism, politics, race, gender, media, and global power. Students will examine how the modern Olympic movement emerged in the late 19th century and how it has been shaped by war, empire, ideology, protest, and commercialization. Through case studies ranging from the Berlin Games of 1936 to Cold War boycotts, athlete activism, and the modern media spectacle, students will investigate how nations use sport to project identity, prestige, and power on the world stage. Using a mix of primary sources, film, journalism, speeches, and visual media, students will develop historical thinking skills while debating big questions: Can sports ever be apolitical? Who gets to represent a nation and at what cost? Do the Olympics unite the world, or expose its deepest divisions? This discussion-driven course emphasizes analysis, debate, short analytical writing, and historical research, encouraging students to see sport not as an escape from history, but as one of its most revealing arenas.

The Global Cold War (s)

38503

Grade Level: 10th–12th (For 10th graders, concurrent with U.S. History)

Placement preference will be given to rising Juniors and Seniors.

Prerequisite: None

*Fulfills departmental requirement

The Cold War dominated both American and global politics for much of the 20th century. This course will examine the origins, events, strategies, and consequences of the Cold War in not just the United States and the Soviet Union, but also in places such as Europe, Africa, and Asia. Special attention will be paid to the development of mechanisms in both the Soviet Union and the U.S. to manage this conflict of ideas in each country. The course will conclude with a review of how the Cold War wound down and its implications for the 21st century relationship between the U.S., Russia, and China.

ECONOMICS AND PSYCHOLOGY

The Brunswick and Greenwich Academy History & Social Sciences Departments have developed a curriculum based on the premise that history and humankind are shaped by the past. Therefore, those courses that provide students with both significant history content and historical thinking skills count toward the history requirement. The courses listed below are social science courses that do not take the past as the foundation of inquiry or develop additional skills associated with the discipline of history. While they count as full academic classes, they do not fulfill the history requirement. Also note that AP Psychology, AP Economics and AP Business and Personal Finance may not be taken concurrently; you must choose **one** of these three courses.

ECONOMICS

Microeconomics and Macroeconomics

38409

Grade Level: 11th–12th

Prerequisite: None

This full-year course covers both micro- as well as macroeconomic principles. Over the course of the year we will examine the motives behind the economic actions of individuals, firms, and governments through the introduction of basic economic theories and concepts, including classical and Keynesian models, budget and trade deficits, unemployment issues, growth and inflation trade-offs, and international capital, money, and product flows. Students are introduced to theories about the law of supply and demand, competitive and monopolistic markets, legal structures of firms, stock and bond markets, and personal finance management concepts. Daily discussions about current economic events and participation in a stock market simulation exercise help relate the theoretical to real life situations. Other course requirements include group and individual presentations, quizzes and tests, a major term paper, and daily, active class participation.

AP Business and Personal Finance

38411

Grade Level: 12th only

Prerequisite: Departmental approval (see APPS)

Thinking about having a career in business, or someday running your own company, or would you like to know enough about personal finance to avoid costly personal financial mistakes? This new AP course will meet these objectives and more. Using a Project-Based Learning approach, its five units will cover the basics of starting and running a business, key marketing concepts, essential finance practices, different business strategies, and financial literacy. Since most of the projects are done in teams, just like in the real world, you will develop collaboration, communication, and group analytical skills. At the end of the year, you will take the AP exam and may be eligible for college business credit.

AP Economics

38407

Grade Level: 12th only

Prerequisite: Math: **B+** in Accelerated Precalculus.

Departmental approval (see APPS)

This college-level course is a survey of both macroeconomics (fall) and microeconomics (spring).

Macroeconomics teaches those principles that apply to an economic system as a whole. The curriculum includes a study of the broad measurements of economic performance, including trends in gross domestic product, inflation, and unemployment. It analyzes the role of money and banking, the workings of monetary and fiscal policies, the federal budget and national debt, and international economics. Microeconomics concentrates on those principles that relate to the functions of individual decision-makers in our economy. It explores concepts of opportunity costs, the forces of supply and demand, different market structures such as pure competition, oligopolies, and monopolies, and the degree and effect of government intervention in our market-based economy.

In May, students take the two-hour AP examination on Microeconomics and another two-hour AP examination on Macroeconomics.

FALL SEMESTER COURSES

Everyday Economics (f)

36471

Grade Level: 10th–12th

Placement preference will be given to rising Juniors and Seniors.

Prerequisite: None

This course is designed to give students a foundation in the most important economic concepts. Topics include the following: how economics makes us better decision makers, the forces behind the prices that we pay for things, the government's role in stabilizing the economy, and the role of innovation and incentives in a free market. All topics will be taught with a focus on the United States economy. Some semester highlights include: spending some time every week looking at Econ in the news and in pop culture, reading selected chapters from the trilogy of the best selling *Freakonomics* books, watching the *Freakonomics* documentary, reading the weekly Sunday *New York Times* "Economic View," and creating our own YouTube videos that will help other students understand important economic concepts. This class will make future Econ courses taken at the college level much easier to digest!

SPRING SEMESTER COURSES

Behavioral Economics (s)

36472

Grade Level: 10th–12th

Placement preference will be given to rising Juniors and Seniors.

Prerequisite: Everyday Economics or taken in conjunction with AP Economics

Behavioral Economics is a fascinating and growing field of economics that incorporates psychology with standard economic theory. Whereas traditional economics assumes we are all rational decision makers, behavioral economics challenges that fundamental tenet. We will explore parts of some recent current best selling books on the subject, like *Predictably Irrational*, *Thinking, Fast and Slow*, and *Nudge*. Students will also design and conduct their own experiment in order to test hypotheses, based on recent findings in the field of Behavioral Economics, on the GA/Brunswick population. There is a reason that this sector of Economics is growing! Experience the excitement for yourself!

PSYCHOLOGY

AP Psychology

38867

Grade Level: 12th only

Prerequisite: Departmental approval (see APPS)

This course is a standard college introductory psychology course, and it prepares the student for the AP Psychology examination in May. Topics include perception, learning, child development, personality, and group behavior. The course features much lab work, a range of computer simulations, and a chance for students to design and perform their own psychological experiments. A strong background in biology and/or human physiology is highly recommended—many of the concepts covered in this course resemble those seen in high-level biology classes.

FALL SEMESTER COURSES

Abnormal Psychology (f)

38478

Grade Level: 11th–12th

Placement preference will be given to rising Seniors.

Prerequisite: None

This class explores one of the most interesting and important topics in psychology - mental illness. By examining case studies and peer-reviewed journal articles through the lens of the Diagnostic and Statistical Manual of Mental Disorders (DSM-5), students will explore what it means to be “abnormal” and become familiar with a variety of mental conditions, including depression, anxiety, bipolar, obsessive-compulsive, psychotic and trauma-related disorders. It will include theoretical, clinical, and experimental perspectives of the study of psychopathology. Emphasis is placed on terminology, classification, causation, assessment, and treatment of the major disorders. Upon completion, students will be able to distinguish between normal and abnormal behavior patterns as well as promote a greater awareness and knowledge of psychopathology in hopes that we can reduce the suffering and stigma associated with mental disorders.

Sport Psychology (f)

38479

Grade Level: 10th–12th

Placement preference will be given to rising Juniors and Seniors.

Prerequisite: None

Sport Psychology is a field of study in which the principles of psychology are applied in a sport setting, and are often utilized to enhance athletes’ individual and team performance. The course is designed to provide students with a basic understanding of the theories and concepts involved in the psychology of sport, while also looking at how past and current research has been applied to propel the field forward. Some of the concepts that will be covered in this course include achievement motivation, goal-setting, and mental toughness. We will also look at some applications such as coping with anxiety in sport and effective use of imagery techniques. We will explore case studies, analyze articles, engage in discussions about research, create our own sport journals, and even watch some famous sports movies to learn and apply the concepts. The field of sport psychology is still continuing to evolve so, although this course will not cover everything, it will lay a solid foundation for those interested in the course material.

SPRING SEMESTER COURSES

Cognitive Psychology (s)

38477

Grade Level: 10th–12th

Placement preference will be given to rising Juniors and Seniors.

Prerequisite: B in Biology

How do we remember things? What is intelligence? How do we learn? How do we get smarter? We go to school to learn about a variety of subjects, from the humanities to the sciences. This course takes a step back and investigates how all this learning occurs. To understand how knowledge is shared and developed in the classroom, we will look at how our minds interpret and make sense of what we hear and what we see. In addition, we will investigate the importance of social interaction to learning. Students will participate in web-based cognition experiments and discussion blogs, create and carry out their own psychological experiments with informed and willing participants, and develop a final research project relevant to the course topics. Finally, this course covers many of the same topics as AP Psychology and provides for a great conceptual foundation before taking that course.

WORLD LANGUAGES

In the modern language classroom, emphasis is placed on developing communication skills and cultural competence. In accordance with national standards, all classes are conducted primarily in the target language—use of English is kept to a minimum. Students learn to interact linguistically and culturally in real-world situations and contexts. Additionally, we provide our students with a strong foundation so that they can pursue their study of language in college and beyond.

Students learn to listen, speak, read, and write by exploring thematic units and interacting with authentic materials. Multimedia resources are used frequently in the classroom throughout the program to strengthen students' language skills, to provide them with practical experiences, and to promote cultural understanding. Classes are intended to provide optimal learning experiences for all students.

Upon completion of Level III or III honors as required at GA or three years of Upper School study as required at BWK, students are encouraged to pursue their language studies through more advanced courses. Students may elect to study more than one language on either campus.

Brunswick School and Greenwich Academy sponsor a variety of study abroad options, which give students the opportunity to discover new cultures and, in most cases, speak the foreign language they study in full immersion with homestay programs. The Brunswick Summer School is also an option for those wishing to gauge their interest in a new language. Please consult the schools' websites for more information on these exciting educational opportunities.

Expectation for Honors/Advanced Class Placement

Beyond the minimum grades threshold as noted below, honors students demonstrate a genuine passion for learning the target language; consistently fulfill and exceed course expectations; engage and participate positively in class (in the target language); are eager to work at an accelerated pace; and follow Course Policy Syllabi provided by teachers.

Anyone hoping to move from a regular to an honors-level class must have a solid **A** average and demonstrate the qualities listed above. After consultation with the teacher, the student may apply for admission through the Department Head.

Additionally, at this level it is expected that students understand that attention to detail and linguistic accuracy are necessary components for developing true competency in the target language.

Advanced Placement classes in the modern languages are highly demanding. Admission to these courses is dependent upon approval of both the Greenwich Academy and Brunswick Language Departments.

Minimum grade requirements for AP classes are as follows:

- Current Level IV Honors students maintaining at least an **A-**, and/or with permission of the Department, may proceed to the AP level.
- Students enrolled in Level III Honors, maintaining grades of at least **A**, and/or with permission of the Department, may petition to enter the AP language course by completing an application and sitting for a formal assessment, which is administered in the spring.
- For these students, a committee evaluates these forms, analyzing both their quantitative and qualitative merits. The criteria for acceptance include the following: the recommendation of the student's most recent language teacher and their language grades over the past two years. The student's total academic and co-curricular commitments will also be taken into consideration. The final decision to admit is contingent upon continued success in the student's current language course. Department chairs communicate with the students at the end of the process. Some summer work may be required.

ARABIC

Arabic I

49100

Grade Level: 9th–11th

Prerequisite: None

This beginning course is an introduction to Modern Standard Arabic, using a curriculum based on the Al-Kitaab series. Students learn the fundamentals of Arabic such as the alphabet, handwriting, and correct pronunciation of Arabic letters. Students become familiar and comfortable with the sounds and the structure of the language and later are introduced to the ancient art of Arabic calligraphy. A variety of activities are used to develop the four language skills: listening, speaking, reading, and writing. Cultural aspects are presented through authentic materials such as articles, videos, and Internet materials.

Arabic II

49200

Prerequisite: Arabic I and Departmental Approval

Students in this course continue to develop their foundational skills in Modern Standard Arabic. More complex aspects of the language are introduced by developing listening and reading comprehension and building oral proficiency skills. In addition to using the textbook, students are introduced to a variety of Arabic language resources such as videos, radio programs, newspapers, and Internet sites allowing for greater cultural understanding of the different aspects of the Arab world.

Honors Arabic II

49201

Prerequisite: Minimum grade of A- in Arabic I and Departmental Approval

This fast-paced course continues to develop the students' foundational skills in Modern Standard Arabic. While studying topics related to daily life communicative skills, students progress in their oral and written proficiency. They experience real-life situations through interdisciplinary and cross-cultural classes with distinct schools in the US and abroad. Units on Arabic culture, as well as additional audio and video clips in Modern Standard Arabic and colloquial, are incorporated in the lessons to help students develop a broader insight into the region and an appreciation for their study of the Arabic language.

Arabic III

49300

Prerequisite: Arabic II and Departmental Approval

This course expands the students' foundation of the Arabic language and culture as they continue to develop their oral proficiency and reading/listening comprehension. Students apply more complicated language structures in Modern Standard Arabic to a variety of topics related to a real-life situation, and develop their ability to write in Arabic with an introduction to modern and classic Arabic poetry. Students also gain a deeper understanding of the world around them by using social, environmental, and historical issues to further their Arabic language and culture studies.

Honors Arabic III

49301

Prerequisite: Minimum grade of B+ in Arabic II Honors and Departmental Approval

Students continue to develop and refine their proficiency in all four language skills, with an emphasis on developing fluency in speaking and in writing. Students apply new complex language structures in Modern Standard Arabic to a variety of topics related to a real-life situation, and develop the ability to move from concrete to abstract concepts. At this level, students comprehend the main ideas of authentic materials that they read and listen to, while also identifying salient details. Students learn a deeper understanding of the world around them, using social, environmental, economic, and historical issues to further their Arabic language and culture studies.

Arabic IV

49400

Prerequisite: Arabic III and Departmental Approval

Students continue to develop and refine their proficiency in all four language skills, with an emphasis on developing fluency in speaking and in writing. Students apply new complex language structures in Modern Standard Arabic to a variety of topics related to a real-life situation, and develop the ability to move from concrete to abstract concepts. At this level, students comprehend the main ideas of authentic materials that they read and listen to, while also identifying salient details. Students learn a deeper understanding of the world around them, using social, environmental, economic, and historical issues to further their Arabic language and culture studies.

Honors Arabic IV

49401

Prerequisite: Minimum grade of B+ in Arabic III Honors and Departmental Approval

The aim of this advanced course is to improve students' overall language ability in Arabic while honing on their critical thinking skills. Students solidify their knowledge of spoken and written Arabic, both in colloquial and Modern Standard Arabic through interactive lessons with distinct schools in the U.S. and abroad. They compare and contrast problems and solutions to issues in the Arab world versus their own surroundings and they engage in the three modes of communication (interpretative, interpersonal, and presentational) to develop cultural competencies through hands-on theme-based instruction. The students continue to improve their language proficiency while enhancing their understanding of the cultural nuances as well as current socio-economic, scientific, and environmental issues. The curriculum covered in this class prepares students to enter the NEWL Arabic Language and Culture class.

NEWL Arabic Language and Culture

49420

Prerequisite: Minimum grade of A- in Arabic IV Honors and Departmental Approval

(See Advanced Placement Prerequisite Statement at the beginning of the World Languages section)

The NEWL Arabic Language and Culture course conforms to the standards and expectations of an intermediate mid to high university Arabic language course. It is designed to provide students with ongoing and varied opportunities to further develop their proficiency skills for active communication within the cultural framework of the Arabic language and the many cultures that speak it. This course uses authentic texts to develop vocabulary and grammar and to introduce them to frequently used colloquial language. This proficiency-based exam is designed to assess students' skills in the Arabic language deemed critical by government and business in the 21st century. Students enrolled in this course take the NEWL exam which is targeted for traditional foreign language learners and heritage learners. The NEWL exam produces AP-style score reports and students can use it to apply for college credit and/or placement. This examination is administered in the spring.

CHINESE

Chinese I

47100

Grade Level: 9th–11th

Prerequisite: None

This course is an introduction to Chinese language and culture designed for students with no previous background in Chinese. Students learn proper pronunciation and tones, which provide the foundation of spoken Mandarin, as well as basic strokes, stroke order, radicals and phonemes, which form the foundation of written Chinese. Vocabulary, basic sentence patterns, and other fundamentals of listening, speaking, reading, and writing are all taught within the context of practical communication, and within the context of real-life application, using primarily simplified Chinese characters. The pinyin Romanization tool is also taught and employed as an aid to developing speaking and reading skills. Students learn to write approximately 250 words and to read an additional 250 characters by the end of the year.

Chinese II

47200

Prerequisite: Chinese I and Departmental Approval

This course aims at further developing the skills that were established in Chinese I. Basic material is reviewed and expanded upon, enabling students to advance their knowledge of Chinese grammar in the cultural context of daily life in China. Speaking and listening skills continue to be stressed, and writing in Chinese characters is mandatory. Chinese word processing enables students to read and express themselves in writing in Chinese.

Honors Chinese II

47201

Prerequisite: Minimum grade of A- in Chinese I and Departmental Approval

This rigorous course is for linguistically strong students who are ready and eager to develop their Chinese language skills at an accelerated pace. New grammar and vocabulary are introduced using a wide variety of instructional techniques and material. Speaking, listening, reading, and writing skills are solidified as students develop their interpretive, interpersonal, and presentational communication skills. With contemporary Chinese societies serving as a cultural backdrop, reading and writing skills are developed to provide students with insights into the rich diversity of the Chinese-speaking world. As their level of Chinese language sophistication increases, the students produce incrementally more complex projects on the cultures they study.

Chinese III

47300

Prerequisite: Chinese II and Departmental Approval

This course expands and refines students' foundation in Chinese language and culture. New grammar, vocabulary, and characters are introduced and then extensively practiced in class, using a wide variety of instructional techniques and materials. The continued use of word processing in Chinese provides students with a useful tool to express themselves with greater ease when preparing written assignments. The development of stronger listening and speaking skills remains a priority.

Honors Chinese III

47301

Prerequisite: Minimum grade of B+ in Chinese II Honors and Departmental Approval

This course gives students the vocabulary and structures they need to enable them to further advance their knowledge of spoken and written Chinese. Students develop reading strategies to comprehend and discuss materials composed in formal written Chinese and develop enough independence in the language to write some guided stories. Authentic resources are used throughout the course, including Chinese films to help build deeper insight into Chinese culture.

Chinese IV

47303

Prerequisite: Chinese III and Departmental Approval

This course enables students to solidify their foundation as they move forward expanding their knowledge of Chinese language and culture. By working with varied vocabulary and more complex structures students will be able to use the language in more complex situations. The textbook is supplemented with authentic materials, such as newspapers and magazines, to provide a springboard for listening, speaking, reading and writing activities. Insight into Chinese culture, an integral part of the course, is additionally fostered by the use of Chinese films.

Honors Chinese IV

47401

Prerequisite: Minimum grade of B+ in Honors Chinese III and Departmental Approval

In this accelerated course, linguistically strong students are encouraged to hone their reading, writing, word processing, listening, and speaking skills in Chinese. Writing assignments involving both writing and typing are given frequently in order to help students communicate constructively and creatively. Previously learned concepts and textbook materials are significantly expanded through introductory expository speaking that begins the process of mastering new grammar patterns and creative ways of describing realistic situations. Varied aspects of Chinese culture and history are used as topics for reading and class discussion.

Chinese V

47502

Prerequisite: Chinese IV and Departmental Approval

This course aims at further developing the skills that were established in intermediate Chinese. Students advance their knowledge of Chinese grammar within the cultural context of daily life in China. Emphasis is placed on the spoken language. Students discuss practical, social, and cultural topics with the aid of spoken language materials such as Chinese movies, plays, daily news, etc. More conversational strategies and the stylistic features of conversation are explored.

AP Chinese Language and Culture

47602

Prerequisite: Minimum grade of A- in Chinese IV Honors and/or Departmental Approval
(See **Advanced Placement Prerequisite Statement at the beginning of the World Languages section**)

This course conforms to the standards and expectations as described in the College Board curriculum for AP Chinese Language and Culture. Its aim is to provide students with ongoing and varied opportunities to further develop their proficiencies across the full range of language skills within a cultural frame of reference reflecting the richness of Chinese language and culture. The course introduces students to frequently used formal and idiomatic expressions as well as popular and colloquial phrases. Students study Chinese poetry and prose, and they experience culture through the study of Chinese history, art, traditions, newspaper articles, and current events. They also prepare essays on a wide range of topics. This course culminates in the Advanced Placement Chinese and Culture Exam given in May, which must be taken by all students enrolled in this class.

AP Chinese Language and Culture— Expedition Course

47603

Prerequisite: Minimum grade of A- in Chinese IV Honors and/or Department Approval
(See **Advanced Placement Prerequisite Statement at the beginning of the World Languages section**)

This course conforms to the standards and expectations as described in the College Board curriculum for AP Chinese Language and Culture. Its aim is to provide students with ongoing and varied opportunities to further develop their proficiencies across the full range of language skills within a cultural frame of reference reflecting the richness of the Chinese language and culture. The course introduces students to frequently used formal and idiomatic expressions as well as popular colloquial phrases. Students study Chinese poetry and prose, and they experience culture through the study of Chinese history, religion, and art. They read newspaper articles, discuss current events, and write on a wide range of topics. This course culminates in the Advanced Placement Chinese and Culture Exam given in May, which must be taken by all students enrolled in the class.

A required Expedition will augment this course. Financial aid is available for eligible students.

Language and Culture Expedition

(Dates TBD, expedition will take place during the school year)

As part of the course, students will travel to China, Taiwan, or another Mandarin-speaking destination. During the expedition component of the course students will have many opportunities for real-life practice with the language. They also will have many opportunities to gain first-hand knowledge of Chinese cultural practices, products, and perspectives, especially as related to the AP topics that they will be exploring in this course: global challenges, science and technology, contemporary life in China, personal and public identities, family and communities, and beauty and aesthetics.

FRENCH

French I

44100

Grade Level: 9th–11th

Prerequisite: None

This course is for those students who wish to begin their study of French in the Upper School. It is designed to provide students with foundational skills in reading, writing, speaking and understanding spoken French. A basal text provides grammar and cultural studies, while reading and writing skills are developed through the use of a variety of documents (poems, surveys, and passages from magazines and newspapers) and media (videos, short clips, and movies).

French II

44201

Prerequisite: French I and Departmental Approval

Students in this course continue to develop their foundational skills in French. New grammar and vocabulary are presented then extensively practiced in class, using a wide variety of instructional techniques and material. Speaking, listening, reading, and writing skills are solidified as students develop their interpretive, interpersonal, and presentational communication skills. Additionally, reading and writing skills are developed in contexts that provide students with insights into the richly varied cultures of the French-speaking world.

Honors French II

44202

Prerequisite: Minimum grade of A- in French I and Departmental Approval

This rigorous course builds upon the skills established in French I. It is for linguistically strong students who are ready and eager to work at an accelerated pace. New grammar and vocabulary are introduced using a wide variety of instructional techniques and material. Speaking, listening, reading, and writing skills are solidified as students develop their interpretive, interpersonal, and presentational communication skills. Additionally, reading and writing skills are developed in contexts that provide students with insights into the rich diversity of the French-speaking world. As their level of French language sophistication increases, the students are asked to produce incrementally more complex projects on the Francophone cultures they study.

French III

44300

Prerequisite: French II and Departmental Approval

This course expands and refines the students' foundation in French language and Francophone culture. New grammar and vocabulary are introduced then extensively practiced in class, using a wide variety of instructional techniques and material. Speaking, listening, reading, and writing skills are solidified as students role play, do group work, prepare oral presentations or work with on-line or local digital resources, and read short stories and/or articles on current events. In addition to the language, students will study customs, traditions and histories of French-speaking nations and regions so that their knowledge of French is embedded in cultural understanding.

Honors French III

44301

Prerequisite: Minimum grade of B+ in French II Honors and Departmental Approval

This course is designed to begin perfecting the language skills necessary for highly proficient oral and written communication. The finer points of grammar are reviewed, strengthened, and clarified. Discussions and compositions, which provide opportunities for self-expression, are based on Francophone current events and literature through a range of possibilities: online and local digital resources, newspaper articles, extracts, short stories, and more. Students develop their listening and speaking skills through the frequent use of recorded activities as well as through a wide variety of class activities. Students further broaden their cultural foundation through Internet projects and exploration.

French IV

44401

Prerequisite: French III and departmental approval

This is a conversation and culture course. By exploring the varied cultures of the French-speaking world, students will expand their proficiency and confidence in French. A wide variety of resources, from print material to films, pod-casts and the like, provide the basis for vocabulary expansion and robust class discussions. Grammar study is reviewed or introduced as needed to strengthen and hone students' reading, writing, listening and speaking skills. A key factor to success in this highly interactive course is the student's commitment to active participation in all class activities.

Honors French IV

44402

Prerequisite: Minimum grade of B+ in French III Honors and Departmental Approval

In this pre-AP language course, the finer points of French grammar are reviewed, strengthened, and clarified. Students discuss examples of contemporary Francophone cultural and social issues. Discussions and compositions based on current publications provide the students with opportunities for independent self-expression. Students develop their listening skills through the frequent use of recorded activities. Students make recordings and do a wide variety of class exercises to improve their speaking ability. Films and online or local digital resources enhance listening skills and culture study.

AP French Language & Culture

44607

Prerequisite: Minimum grade of A- in French IV Honors or A in French III Honors and/or departmental approval (See **Advanced Placement Prerequisite Statement at the beginning of the World Languages section**)

The goals of this course conform to the standards and expectations described in the College Board curriculum for Advanced Placement French Language and Culture. Students will be prepared to demonstrate their level of proficiency in French across three communicative modes (interpersonal, interpretive, and presentational) and the five goal areas outlined in the Standards for Foreign Language Learning in the 21st Century (communication, cultures, connections, comparisons, and communities). Films, literature, articles on current issues, and Internet-based activities serve as a springboard for discussions, debates, compositions, and presentations. Students also endeavor to broaden their active vocabulary and to become comfortable using a variety of tenses and idiomatic expressions both when writing and speaking in a variety of contexts. This course culminates in the Advanced Placement French Language Exam given in May, which must be taken by all students enrolled in this class.

Honors Seminar: French Studies

44617

Grade Level: 11th–12th

Prerequisite: Departmental Approval

This discussion-based course is designed as a seminar for students with a high proficiency in French, who want to continue to explore and discuss cultural themes throughout the French-speaking world. This challenging class is conducted in French to further improve fluency and comprehension. Students will work with authentic materials such as current event articles as well as literature, movies, and art that develop the overall understanding of the francophone world. This course is designed to be interactive, with frequent instructor feedback about student presentations, debates, and written responses, and provides a venue for students to become life-long learners of French.

FALL SEMESTER COURSES

French Studies using Bandes Dessinées (f)

44513

Grade Level: 11th–12th

Prerequisite: French IV or Departmental Approval

The graphic novel format of storytelling is a longstanding tradition in France and Belgium: classics include *Les Aventures de Tintin* and, more recently, *Persepolis*. In this intermediate course, students will continue to develop their French language skills through the use of contemporary graphic novels.

Themes ranging from historical and contemporary life, to environmental issues, to technology and to global awareness will be explored. Through readings and videos, students will hone their interpretive comprehension skills. Grammar points and vocabulary essential to their comprehension and discussion of topics will be reviewed or introduced as needed. By creating and sharing their own visual stories in French, students will refine their written and communicative skills. A key factor to success in this highly interactive class is each student's commitment to fully engage in sharpening their linguistic skills.

SPRING SEMESTER COURSES

Facing Challenges Across the French-Speaking World (s)

44516

Grade Level: 11th–12th

Prerequisite: French IV or Departmental Approval

The French-speaking world is made up of a vast array of countries on nearly every continent on the planet. Like everywhere, these peoples are faced with myriad questions: “How do we confront a difficult past?”, “How do environmental issues impact our communities?”, “Is our educational system best serving our children?” “Who are our heroes, and why?” and the list goes on. In this intermediate French class, students will help formulate questions for the group to study using authentic French-language materials (on-line newspapers, podcasts, news programs and the like). As they grapple with these questions, they will further develop their comprehension and communicative skills in French. Grammar points and vocabulary essential to their comprehension and discussion of topics will be reviewed or introduced as needed. The key to success in this highly interactive class is each student's commitment to fully engage in guiding the direction of the class while they sharpen their linguistic skills in French.

ITALIAN

Italian I

42100

Grade Level: 9th–11th

Prerequisite: None

This course is for those students who wish to begin their study of Italian. Students make use of a complete program, supported by audio, video and computer resources, that enables them to develop a strong foundation in the language and culture of Italy. Meaningful communication and the establishment of a strong grammatical foundation in Italian are the goals of this course. Additionally, reading and writing skills are developed in contexts that provide students with insights into Italian culture.

Italian II

42200

Prerequisite: Italian I and Departmental Approval

Students in this course continue to develop their foundational skills in Italian. New grammar and vocabulary are presented, then extensively practiced in class, using a wide variety of instructional techniques and material. Speaking, listening, reading, and writing skills are solidified as students develop their interpretive, interpersonal, and presentational communication skills. Additionally, reading and writing skills are developed in contexts that provide students with insights into the richly varied cultures of the Italian-speaking world.

Honors Italian II

42201

Prerequisite: Minimum grade of A- in Italian I and Departmental Approval

This rigorous course builds upon Italian I. It is for students who have strong linguistic ability and who are eager to work at a rapid pace. The goal of the program is to develop students' communication skills with conversation, role-plays, written assignments, readings, and listening comprehension exercises to enable the student to develop strong skills. The relationship between Italian language and culture is integral to the course.

Italian III

42300

Prerequisite: Italian II and Departmental Approval

This course expands and refines the students' foundation in Italian language and culture. New grammar and vocabulary are introduced then extensively practiced in class, using a wide variety of instructional techniques and material. Speaking, listening, reading, and writing skills are solidified as students role-play, do group work, prepare oral presentations using on-line or local digital resources, and read short stories and/or articles on current events. In addition to the language, students will study specific customs, traditions, and history of Italy so that their knowledge of Italian is embedded in cultural understanding.

Honors Italian III

42301

Prerequisite: Minimum grade of B+ in Italian II Honors and Departmental Approval

This course is designed to begin perfecting the language skills necessary for highly proficient oral and written communication. The finer points of grammar are reviewed, strengthened and clarified. Discussions and compositions, which provide opportunities for self-expression, are based on Italian current events and literature through a range of possibilities: online and local digital resources, newspaper articles, extracts, short stories, and the like. Students develop their listening and speaking skills through the frequent use of taped and recorded activities as well as through a wide variety of class activities. Students further broaden their cultural foundation through Internet projects and exploration.

Italian IV: Language & Culture

42400

Prerequisite: Italian III and Departmental Approval

This is a conversation and culture course. Communication skills are developed via the exploration of the rich Italian culture. Films, on-line and local digital resources, short stories, and other documents all provide the basis for vocabulary expansion and class discussions. The core curriculum concerning grammar review and expansion is augmented by a wide variety of topics relevant to Italy, past and present. A key factor to success in this highly interactive course is the student's commitment to active participation in all class activities.

Honors Italian IV

42401

Prerequisite: Minimum grade of B+ in Italian III Honors and Departmental Approval

In this advanced language course, the finer points of Italian grammar are reviewed, strengthened, and clarified. Students discuss contemporary cultural and social issues in Italy basing that work on current publications and media. Students develop their listening skills through the frequent use of taped activities. Students make recordings and do a wide variety of class exercises to improve their speaking ability. Films, online, and local digital resources enhance listening skills and culture study.

AP Italian Language and Culture

42500

Prerequisite: Minimum grade of A- in Italian IV Honors or A in Italian III Honors and/or Departmental Approval (See Advanced Placement Prerequisite Statement at the beginning of the World Languages section)

The goals of this course conform to the standards and expectations described in the College Board curriculum for AP Italian Language and Culture. Students will be prepared to demonstrate their level of Italian proficiency across three communicative modes (interpersonal, interpretive, and presentational) and the five goal areas outlined in the Standards for Foreign Language Learning in the 21st Century (communication, cultures, connections, comparisons, and communities). Films, literature, articles on current issues, and Internet-based activities serve as a springboard for discussions, debates, compositions, and presentations. Students also endeavor to broaden their active vocabulary and to become comfortable using a variety of tenses and idiomatic expressions both when writing and speaking in a variety of contexts. This course culminates in the Advanced Placement Italian Language and Culture Exam given in May, which must be taken by all students enrolled in this class.

Honors Seminar: Italian Studies

42520

Prerequisite: AP Italian Language and Culture, Departmental Approval

This course is an introduction to Italian literary texts illustrating the cultural and socio-political history of Italy from the Middle Ages to the present. Students will acquire knowledge of how Italian literary texts reflect in a profound way Italy's social, cultural, economic and political history. The major works of representative Italian authors and literary movements will be presented in time progression, discussed and commented on in their cultural, historic and political contexts. The readings will serve as a starting point for conversation aimed at improving the students' ability to express themselves with accuracy both in speaking and in writing. The study of literature will also provide a basis for analyzing in greater detail the evolution of the Italian language as used in literary texts. The study of Italian literature will be carried out through class readings and discussions, some video showings, and written compositions.

SPANISH

Spanish I

43100

Grade Level: 9th–11th

Prerequisite: None

This course is for those students who wish to begin their study of Spanish in the Upper School. Students make use of a foundational text and multimedia resources to explore general cultural themes and learn basic grammar and vocabulary. These first steps in the Spanish language are supported by a variety of written and oral-aural exercises. Meaningful communication is the natural goal of the course, with strong emphasis on the mastery of basic grammar needed to progress in the language. Reading and writing are developed in contexts that provide students with insights into the cultures of the Spanish-speaking world.

Spanish II

43200

Prerequisite: Spanish I and Departmental Approval

Students in this course continue to develop their foundational skills in Spanish. New grammar and vocabulary are introduced then extensively practiced in class, using a wide variety of instructional techniques and material. Speaking, listening, reading, and writing skills are solidified as students develop their interpretive, interpersonal, and presentational communication skills. Additionally, thematic lessons provide students with insights into the cultural richness of the Hispanic world.

Honors Spanish II

43201

Prerequisite: Minimum grade of A- in Spanish I and Departmental Approval

This rigorous course builds upon the skills established in Spanish I. It is for linguistically strong students who are ready and eager to work at an accelerated pace. The program continues to introduce new grammar and vocabulary through a wide variety of instructional techniques and material. Speaking, listening, reading, and writing skills are solidified as students develop their interpretive, interpersonal, and presentational communication skills. Additionally, thematic lessons provide students with insights into the rich cultural tapestry of the Spanish-speaking world. As their level of Spanish language sophistication increases, the students are asked to produce incrementally more complex projects on the cultures they study.

Spanish III

43300

Prerequisite: Spanish II and Departmental Approval

This course expands and refines the students' foundation in Spanish language and Hispanic culture. The first quarter is a review of material studied in the first two years. New grammar and vocabulary are introduced thematically then extensively practiced in class, using a wide variety of instructional techniques and material. Speaking, listening, reading, and writing skills are solidified as students develop their interpretive, interpersonal, and presentational communication skills. Additionally, thematic lessons help students to explore the written language through level-appropriate literary selections and newspaper articles. In addition to the language, students will study customs, traditions, and histories of Spanish-speaking nations and regions so that their knowledge of Spanish is embedded in cultural understanding.

Honors Spanish III

43301

Prerequisite: Minimum grade of **B+** in Spanish II Honors and Departmental Approval

This course is designed to begin perfecting the language skills necessary for highly proficient oral and written communication through the exploration of cultural themes. The finer points of grammar are reviewed, strengthened, and clarified. Discussions and compositions, which provide opportunities for self-expression, are based on current events, short films, and literature from the Hispanic world through sources such as online and local digital resources, newspaper articles, extracts, and short stories. Students develop their listening and speaking skills through the frequent use of multimedia sources as well as through a wide variety of class activities. Students further broaden their cultural foundation through Internet projects and exploration.

Spanish IV

43401

Prerequisite: Spanish III and Departmental Approval

This is a conversation and culture course. Earlier language skills are reviewed and expanded with renewed emphasis on broad cultural themes within the Spanish-speaking world. Films, Podcasts, research on the Internet, short stories, and other documents all provide the basis for vocabulary expansion and class discussions. The core curriculum concerning grammar review and expansion is augmented by a wide variety of topics relevant to the Spanish-speaking world. A key factor to success in this highly interactive course is the student's commitment to active participation in all class activities.

Honors Spanish IV

43402

Prerequisite: Minimum grade of **B+** in Spanish III Honors and Departmental Approval

In this Pre-AP course, students are encouraged to delve into issues such as science, politics, contemporary life, and history. In addition, they examine how art and literature reflect these themes. Speaking, listening, reading, and writing skills are solidified as students develop their interpretive, interpersonal, and presentational communication skills. We study a range of literary texts as well as film and music. The curriculum covered in this class prepares students to enter either the AP Spanish Language and Culture class or the AP Spanish Literature class.

Honors Spanish for Heritage Speakers

43560

Grade Level: 9th–10th

Prerequisite: Departmental Approval

This course is for students with fluent speaking ability and experience with Spanish through informal and family situations rather than in a traditional classroom setting. The course is designed to meet the unique linguistic needs of these students. Focus will include issues common to heritage speakers such as spelling, punctuation, specific grammatical points, and broadening of vocabulary. This work, along with readings and discussion of literature and articles about Hispanic Culture, will help students become more advanced and effective formal communicators in terms of both writing and speaking. The course is open to students in grades 9 and 10 by permission of the Department, with placement test, writing sample, and interview. Successful completion of the course may lead to placement in an Advanced Placement course the following year, with the permission of the Department.

AP Spanish Language & Culture

43507

Prerequisite: Minimum grade of A- in Spanish IV Honors or A in Spanish III Honors and/or Departmental Approval
(See **Advanced Placement Prerequisite Statement at the beginning of the World Languages section**)

The goals of this course conform to the standards and expectations described in the College Board curriculum for AP Spanish Language and Culture. Students will be prepared to demonstrate their level of proficiency in Spanish across three communicative modes (interpersonal, interpretive, and presentational) and the five goal areas outlined in the Standards for Foreign Language Learning in the 21st Century (communication, cultures, connections, comparisons, and communities). Films, literature, articles on current issues, and Internet-based activities serve as a springboard for discussions, debates, compositions, and presentations. Students also endeavor to broaden their active vocabulary and to become comfortable using a variety of tenses and idiomatic expressions both when writing and speaking in a variety of contexts. This course culminates in the Advanced Placement Spanish Language Exam given in May, which must be taken by all students enrolled in this class.

AP Spanish Literature & Culture

43517

Prerequisite: Minimum grade of A- in Spanish IV Honors or AP Spanish Language and/or Departmental Approval
(See **Advanced Placement Prerequisite Statement at the beginning of the World Languages section**)

Following the prescribed Advanced Placement syllabus, this course offers the advanced Spanish student a remarkable overview of Spanish and Hispanic literature from medieval times through present day. The list of approximately 40 works from more than 35 authors, containing poems, plays, short stories and novels, is demanding. Students are required to participate actively in class discussions as well as write frequent essays in literary analysis, comparisons between literature and art or music, and cultural connections between the history of the Hispanic world and its interpretations in literature. Students in this course are required to take the AP Spanish Literature and Culture Exam given in the spring.

FALL SEMESTER COURSES

Español en Vivo—Spanish in the Community (f)

43505

Grade Level: 11th–12th

Prerequisite: Spanish III, Spanish III Honors or above. Heritage speakers may take this course with Departmental Approval

May be taken concurrently with another Spanish course, level IV or higher

Take advantage of this opportunity to show how relevant your study of Spanish truly is! This community-based class takes you out of the classroom and into the Spanish-speaking community in and around Greenwich. This course emphasizes independent and group work, conversation, journal writing, language skill building, and community outreach through local agencies. Every student is required to attend 3–4 community outings and one service project. Preparation for and visits to different agencies take place during class time and help to develop your communication skills.

La Cocina Hispana: Cuisine and Culture in Latin America (f)

43524

Grade Level: 10th–12th

Prerequisite: Spanish III, Spanish III Honors or above. Heritage speakers may take this course with departmental approval.

May be taken concurrently with another Spanish course, level IV or higher

Take advantage of this opportunity to show how relevant your study of Spanish truly is! Food provides a fundamental connection to cultural heritage and identity. In this course, we will use GA's state-of-the-art culinary lab to bridge language and cultural studies. Students will study how recipes and their ingredients relate to cultural and historical components of the Spanish-speaking world. They will explore the history, literature, geography, and traditions of different regions in Hispanic countries. Through the immersive approach of the course, learners will become more skilled and sophisticated Spanish-language communicators, in both writing and speaking. Note: This class is conducted in Spanish and includes 2-3 off-campus classes.

Origins of Hispanic Culture in Europe (f)

43522

Grade Level: 11th–12th

Prerequisite: Spanish III, Spanish III Honors or above. Heritage speakers may take this course with departmental approval.

May be taken concurrently with another Spanish course, level IV or higher

What makes Spain, Spain? What is Hispanic Culture and how did it come to be? Spain has played a unique and pivotal role in Western civilization. It has historically stood at the crossroads of human migration, cultures, religions, ideas, and trade. This course will explore the origins of Hispanic culture through the study of the history, art, literature, and culture of the Iberian Peninsula and its many inhabitants throughout the centuries. From the seminal Celtiberian populations, to its birth as a Roman colony, to its period as a Muslim Caliphate, through the Reconquest, the Renaissance and Spain's "Golden Age", the Iberian Peninsula's many inhabitants have all contributed to what is the Hispanic Culture of today. This course will examine the impact of this rich past on literature, art, architecture, music, food, ideas, and customs on Hispanic Culture. The course will be taught in Spanish, and will have a hands-on, practical approach. The curriculum will create connections to the culture of today's Spain, as we practice the three modes of communication and all language skills: speaking, writing, listening, and reading.

SPRING SEMESTER COURSES

Español de Negocios—Business Spanish (s)

43506

Grade Level: 11th–12th

Prerequisite: Completion of Spanish III, Spanish III Honors or above. Heritage speakers may take this course with Departmental Approval.

May be taken concurrently with another Spanish course, level IV or higher

This course will familiarize students with the world of finance in the Hispanic world, including a survey of the culture and the basic vocabulary used in business, through hands-on work and projects that look to a direct application of the students' language skills. Themes to be studied include marketing and advertising in the Hispanic world, issues of international leadership, the metric system and foreign exchange, and matters of transportation and foreign travel.

The goal of the course is to enrich students' awareness and understanding of the social and political issues currently confronting Latin-America. With that in mind, the students will do research on various aspects of the economy of the Spanish-speaking world, follow news that pertains to economics and policy, and discuss economic relations between Latin America and the USA.

La Cocina Hispana: Cuisine and Culture in Latin America (s)

43525

Grade Level: 10th–12th

Prerequisite: Spanish III, Spanish III Honors or above. Heritage speakers may take this course with departmental approval.

May be taken concurrently with another Spanish course, level IV or higher

See course description under fall electives.

Origins of Hispanic Culture in Europe (s)

435223

Grade Level: 11th–12th

Prerequisite: Spanish III, Spanish III Honors or above. Heritage speakers may take this course with departmental approval.

May be taken concurrently with another Spanish course, level IV or higher

See course description under fall electives.

CLASSICS

In Levels I through Advanced Placement, the goal of the Classics program is to encourage Latin and Greek students to become involved first-hand with the Classics by acquiring the ability to read standard Latin and Greek authors with competence and appreciation. Understanding of the social and political history of the ancient Romans, along with related topics in Greco-Roman mythology, religion, and literature, is developed. The Classics Department promotes the additional benefits gained from the study of Latin and Greek, such as a sharper insight into the grammar of other languages including English, and the acquisition of English vocabulary.

The Classics program emphasizes a reading approach to the study of the language: students begin reading simple Latin or Greek passages immediately upon starting the first year. Continuous attention to derivatives enables students to develop their vocabulary. Due emphasis on grammar, memorization of forms, and word study equips the students with the necessary tools to understand and appreciate classical literature. As their facility with the syntax and vocabulary of the language increases, they develop their ability to translate original texts and read authentic pieces of Latin or Greek literature of increasing complexity.

Students who complete AP Latin and at least two years of Classical Greek will be formally recognized at Senior Honors Convocation with a Distinction in Classics (Greenwich Academy) or with a Classics Diploma (Brunswick).

LATIN

Latin I

45100

Grade Level: 9th–11th

Prerequisite: None

This course is a standard introductory course to Latin. The emphasis will be on learning basic forms and grammatical concepts. There will be applications of what is learned in grammar to translation of simple passages from Latin to English. An introduction to Latin composition will round out the course.

Latin II

45200

Prerequisite: Latin I and Departmental Approval

This course has two primary objectives: first, to solidify the student's foundation of Latin grammar; and second, to build upon it a broader structure for the reading of Latin authors. Advanced grammatical concepts to be introduced in this course include indirect statement and the forms and uses of both participles and the subjunctive. Continued emphasis is placed on the enhancement of sight translation skills and the development of an awareness of the historical context for the language itself. Throughout the year, students will use this knowledge to read adapted passages of Latin prose and poetry.

Honors Latin II

45201

Prerequisite: Minimum grade of A- in Latin I and Departmental Approval

This rigorous course builds upon the skills established in Latin I. It is intended for students who are ready and eager to work at an accelerated pace and, by design, requires more time dedicated to Latin study. High-frequency vocabulary and grammar are expanded and solidified in a comprehensive manner as students develop their interpretive and analytical skills. The spring semester is devoted to advanced grammar topics and to authors such as Eutropius and Caesar.

Latin III

45300

Prerequisite: Latin II and Departmental Approval

This course deepens students' understanding of the Latin language through a review of grammar and syntax, providing a foundation for reading a variety of classical authors. In addition to discussing meaning and writing style, students learn about Roman history and culture. They are encouraged to explore the political, philosophical, and ethical issues at play and to relate them to issues facing the modern world.

Honors Latin III

45302

Prerequisite: Minimum grade of **B+** in Latin II Honors and Departmental Approval

This rigorous pre-AP Latin course focuses on developing and expanding students' translation skills, using classical Latin authors such as Cicero, Catullus, Ovid, Apuleius, and Horace. In addition to translating, students are introduced to textual, stylistic, and metrical analysis. Discussions of translations include aspects of Roman culture and history and their influence on the intellectual history of the West. The curriculum of this course prepares students to enter the AP Latin course the following year.

Latin IV

45400

Prerequisite: Latin III and Departmental Approval

This course is for students who want to continue their study of Latin but need additional consolidation of grammar and translation skills. The readings will vary from year to year and may include authors from the classical tradition such as Ovid, Caesar, Vergil, and Livy, as well as the literature of later Latin. Class discussions about the readings form an integral part of this course and explore the humanistic culture of the West. Grammar review of special topics is also included in the course.

Honors Latin IV

45401

Prerequisite: Minimum grade of **B+** in Latin III Honors or **A-** in Latin III, and Departmental Approval

For students who intend to pursue AP Latin but need an additional year of preparation. This course provides the opportunity to improve semantic and syntactic fluency while reading both Roman prose and poetry authors in depth. The curriculum combines the consolidation of fundamentals with the practice of translating and analyzing authentic texts by authors such as Caesar, Cicero, Vergil, and Ovid. Class discussions explore the history and cultural context of relevant works as well as the distinctive style of each author. Assessments are designed with preparedness for the AP course in mind.

AP Latin

45602

Prerequisite: Minimum grade of **A-** in Latin IV Honors or **A-** in Latin III Honors or **A** in Latin IV, and Departmental Approval

AP Latin is a rigorous course that promotes reading Latin poetry and prose with historical and literary sensitivity. Students are encouraged to develop linguistic skills by engaging in multiple activities, including translating poetry and prose precisely and literally; reading passages of poetry and prose with comprehension; and analyzing literary texts in clear, coherent written arguments, supported by textual examples. The course focuses upon selections from Pliny's *Epistulae* and Vergil's *Aeneid*, but includes other prose and poetry authors as well to complement the AP syllabus.

Honors Seminar: Latin Studies

45505

Prerequisite: Departmental Approval

Honors Latin Seminar is a fourth-year Latin course for those who have successfully completed an AP Latin course. Various Latin readings will make up the text of the course with a concentration on Classical authors such as Cicero, Tacitus, Catullus, and Ovid. Material may be drawn from medieval and renaissance texts as well. In addition to tests and exams, seminar presentations and a major paper will be required. Entrance into this course requires the recommendation of the student's AP instructor.

FALL SEMESTER COURSES

Latin V: Reading Latin Poetry (f)

45410

Prerequisite: Latin IV and departmental approval

This semester course provides the opportunity for students to explore major themes in epic poetry from the Roman Empire. While reading selections from works such as Ovid's *Metamorphoses*, students will learn more about the rhetorical and literary devices, style, and meter of influential Latin poetry. Studying the texts in the original and via scholarly articles, students will strengthen linguistic skills and think critically while translating and considering both historical and cultural context. Grammar will be reviewed in the context of readings as needed.

GREEK

Greek I

45700

Prerequisite: Departmental Approval

This class is a standard introductory course to classical Greek. It will combine a study of basic Attic grammar and syntax with efforts to gain a reasonable facility in reading Greek prose and in translating from English to Greek. By springtime, students will gradually come to read adapted excerpts from Greek prose (namely Herodotus and Xenophon).

Greek II

45702

Prerequisite: Greek I and Departmental Approval

This course builds upon the grammatical foundation and basic translation skills learned in Greek I. It will expand the study of basic Attic grammar and syntax. In the fall students will read selections from Herodotus and Xenophon. In the spring students will read selections from Plato's dialogues. Throughout the year students will learn an appreciation for the cultural, moral, and artistic values that distinguish the ancient Greek culture and literature.

Honors Greek II

45704

Prerequisite: Minimum grade of B+ in Greek I and Departmental Approval

This rigorous course builds upon the grammatical foundation and translation skills learned in Greek I. It will seek to reinforce important and increasingly sophisticated grammatical and syntactical principles. In the fall, students will read selections from Xenophon's *Anabasis* and *Memorabilia*. In the spring students will read selections from Plato's *Apology* and *Crito*. Throughout the year students will learn an appreciation for the cultural, moral, and artistic values that distinguish the ancient Greek culture and literature.

Greek III

45703

Prerequisite: Greek II and Departmental Approval

The third year of the Regular Greek track presupposes an acceptable grasp of all the essentials of Attic morphology, syntax, and vocabulary. Building on this foundation, it takes as its primary author Homer, who stands at the very beginning of Western literature. Students will read at least 500 lines of Homer's poetry, and will develop a familiarity with the syntactic and morphological peculiarities of the epic dialect, while at the same time immersing themselves in the culture and philosophy of Homer's heroic world. Time permitting, Greek texts of other periods and genres will be studied, including history, philosophy, drama, and the New Testament.

Honors Greek III

45705

Prerequisite: Minimum grade of B+ in Greek II Honors and Departmental Approval

The third year of the Honors Greek track presupposes a firm grasp of all the essentials of Attic morphology, syntax, and vocabulary. Building on this foundation, it takes as its primary author Homer, who stands at the very beginning of Western literature. Students will read well over 1,000 lines of Homer's poetry, and will develop a strong control over the syntactic and morphological peculiarities of the epic dialect, while at the same time immersing themselves in the culture and philosophy of Homer's heroic world. Time permitting, Greek texts of other periods and genres will be studied, including history, philosophy, drama, and the New Testament.

SCIENCE

Students are urged to study science during each of their Upper School years and encouraged to complete work in the basic sciences of biology, chemistry, and physics prior to graduation. The goal is to create and inspire students to become scientifically literate and critical thinkers. Through interactive, investigative study students learn to use the scientific method to answer questions which further serves to promote and develop creative problem solving applicable across all disciplines. The program seeks to develop skills in scientific observation, data collection, analysis, and the drawing of conclusions as well as to provide opportunities for students to explore their own scientific interests through a wide offering of science electives and independent studies. These opportunities serve to foster a sense of curiosity, show the applicability of science in daily life, and provide students with the background needed to make informed decisions in a world increasingly affected by science and technology.

Biology

51000

Grade Level: 9th

Prerequisite: None

Placement will be determined by the department

Students will be introduced to the scientific study of living things. This course will help students develop an appreciation for the beauty, complexity, and diversity of living systems. The course will cover a wide variety of topics, including ecology, evolution, cells, cell division, proteins, genetics, forensics, anatomy, and physiology. Students will investigate biological concepts through laboratory experiments in addition to traditional lectures and classroom activities.

Honors Biology

51020

Grade Level: 9th

Prerequisite: Science: Final Grade: A-, and an A- in two trimesters of 8th Grade Science; Math: Honors Math or Accelerated Math concurrently

Placement will be determined by the department

This course offers a comprehensive investigation of high school biology. Although the course strives to develop an appreciation for the beauty, complexity, and diversity of living systems, each topic is explored in-depth. Students are exposed to significantly more vocabulary and detailed processes, and an emphasis is put on the development of scientific-inquiry skills that will enable students to become more sophisticated in conducting investigations and explaining their findings. Topics include: ecology, evolution, genetics, biochemistry, cell biology, as well as animal and plant physiology.

Chemistry

52000

Grade Level: 10th–12th

Prerequisite: Biology

Placement will be determined by the department.

Students will have an overview of the fundamental principles of chemistry. The course examines the composition of various substances and the changes they can undergo. Major topics are introduced via classroom work as well as laboratory experiments and include: atomic theory, chemical bonding, stoichiometry, properties of solutions, gas laws, thermodynamics, redox, equilibrium, and acid-base reactions. The course features both qualitative and quantitative analyses of the relationships between variables associated with chemical reactions. Inquiry-based laboratory experiences are included throughout the year.

Honors Chemistry

52020

Grade Level: 10th–12th

Prerequisite: Science: B+ in Honors Biology; Math: B+ in Honors Geometry, or A- in Geometry Accelerated, or B in any level Algebra II recommended.

Placement will be determined by the department.

This course offers a comprehensive introduction to the fundamental principles of chemistry. Topics include: atomic theory, chemical bonding, stoichiometry, properties of solutions, gas laws, thermodynamics, redox, equilibrium, and acid-base reactions. These areas are covered through classroom work as well as laboratory experiments. Inquiry-based laboratory experiences are included throughout the year. The course stresses a more quantitative approach to the major topics covered. Upon completion of the year, the student is well positioned for more advanced courses within the discipline.

Physics

53000

Grade Level: 10th–12th

Prerequisite: Biology

Placement will be determined by the department.

This course presents students with an overview of the fundamental principles of Physics. The course examines the physical world around us and how it works. Major topics include mechanics, thermodynamics, electricity, electromagnetism, sound and light. The course leans more toward the quantitative analysis to show mathematical relationships between variables of the equations. This course is designed to be a hands-on approach with emphasis on practical application on the concepts and theories. Laboratory experiments are an integral part of the course.

Honors Physics

53020

Grade Level: 10th–12th

Prerequisite: Science: **B+** in Honors Biology or **A** in Biology and/or **B+** in Honors Chemistry, or **A** in Chemistry; Math: Minimum of **B+** in Accelerated or Honors Math.

Placement will be determined by the department..

Honors Physics is a full-year foundations class designed to prepare students for more advanced work in physics. The course content centers around the basic core topics in physics, including but not limited to kinematics, Newton's Laws, sound, light, electricity, and magnetism. Each topic is accompanied by a lab exercise(s) and demonstration(s) meant to exhibit and reinforce the math and concepts covered. Both the class content and lab work require strong algebra skills and some trigonometry. The goal of the combination of class and lab is to foster the necessary analytical skills required at this level as well as permitting advancement in the subject.

AP Biology

51070

Grade Level: 10th–12th

Prerequisite: Science: **A-** in Honors Biology or **A** in Biology and/or **A-** in Honors Chemistry or **A** in Chemistry; Rising 10th graders must have **A** in Honors Biology and take Honors Chemistry concurrently.

AP application and department approval required in all cases.

This is a rigorous survey course covering major biological topics, including biochemistry, cell biology, genetics, molecular biology, ecology and evolution. Emphasis is placed on thematic relationships between the major topic areas. Sophisticated, college-level laboratory experiences are an integral part of the course. This course prepares students for the AP Biology exam taken in May.

AP Chemistry

52070

Grade Level: 11th–12th

Prerequisite: Science: **B+** in Honors Chemistry, Regular Chemistry students need recommendation from department and enrollment in a week long summer intensive; Math: **B** in Honors Algebra II, or **B+** in Accel. Algebra II or **A-** in Algebra II, or **B+** in any level Pre-Calc.

AP application and department approval required in all cases.

This intensive college level course pursues in greater depth those topics studied in first-year chemistry. In addition, quantitative analysis is included as a significant segment of the full-year laboratory program. This course prepares students for the AP Chemistry exam taken in May.

AP Environmental Science

58178

Grade Level: 11th–12th

Prerequisite: Science: **B+** in Honors Biology or **A-** in Biology and/or **B** in Honors Chemistry or **B+** in Chemistry, or Honors Chemistry concurrently.

AP application and department approval required in all cases.

This AP course is designed to give college-level treatment to the understanding of interrelationships within the natural world, to identify and analyze environmental problems and their relative risks, and to examine potential solutions. Topics include: ecosystem structure and function, population dynamics, renewable and nonrenewable resources, and air, water, and soil pollution. The course is designed to prepare for the AP Environmental Studies exam.

AP Physics 1

58171

Grade Level: 11th–12th

Prerequisite: Science: **A-** in Honors Chemistry; Math: **A-** in Accelerated or Honors Math.

AP application and department approval required in all cases.

AP Physics 1 is an algebra-based, full-year physics course and is the equivalent of a first-semester college course in algebra-based physics. The course is organized around seven foundational big ideas in physics: Newtonian mechanics (including rotational dynamics and angular momentum), work, energy, and power, and mechanical waves and sound. It will also introduce electric circuits. The ability to develop and use physics knowledge by applying it to the practice of scientific inquiry and reasoning through increased experimentation and analysis is the core of this course. It will be an engaging and rigorous experience.

AP Physics 2

58172

Grade Level: 11th–12th

Prerequisite: Science: B+ in AP Physics 1

AP application and department approval required in all cases.

AP Physics 2 is an algebra-based, full-year physics course and is the equivalent of a second-semester college course in algebra-based physics. This class should be taken as a second-year course by students who have already completed AP Physics 1. The course is organized around seven foundational big ideas in physics and covers fluid mechanics, thermodynamics, electricity and magnetism, optics, and atomic and nuclear physics. As with AP Physics 1, the ability to develop and use physics knowledge by applying it to the practice of scientific inquiry and reasoning through increased experimentation and analysis is the core of this course. It is another challenging, lab-based physics class for those students who enjoy the study of physics.

AP Physics C

58170

Grade Level: 11th–12th

Prerequisite: Science: A- in Honors Physics or A- AP Physics 1

AP application and department approval required in all cases.

This is actually two one-semester courses, culminating in a separate AP exam for each at the end of the year: Mechanics, and Electricity and Magnetism. Both semesters employ introductory calculus in problem solving and are designed to build on and expand on some of the topics covered in Honors Physics. Topics in Mechanics include kinematics, conservation of energy, rotational dynamics, and angular momentum. Second semester topics include electric fields, Gauss's Law, electric potentials, magnetism and electromagnetic induction. Upon completion of the course, students will be prepared for both AP Physics C exams as well as having the foundations for engineering in college.

Honors Science Research – Brunswick School

59100

Grade Level: 10th and 11th

(10th graders must take concurrently with a core science course)

Prerequisite: Science: A- in Biology.

Application and department approval required in all cases.

Honors Science Research is a two-year program designed to immerse students in authentic scientific inquiry. Intended for students with strong scientific interests, readiness for advanced research, and independent learning habits, the course emphasizes mastery of the research process—from topic selection and comprehensive literature review to defining a clear objective that addresses a gap in existing empirical data. Students develop a formal research proposal and risk assessment, which are evaluated by both internal and external Scientific Review Committees for relevance, feasibility, and safety. The majority of the year is devoted to designing, conducting, and analyzing original research. In the spring, students present their work at the Connecticut Science and Engineering Fair and to the Brunswick community. Research topics may span engineering, biology, chemistry, physics, or environmental science. Generally, students switch topics their junior year, but may choose to continue and expand their sophomore project. An application is required and will be available just prior to spring break.

Honors Science Research – Greenwich Academy

56400

Grade Level: 10th and 11th

(10th graders must take concurrently with a core science course)

Prerequisite: Science: A- in Biology.

Application, Preliminary meeting with teacher and Departmental Approval

This honors-level research course allows students to explore scientific questions that matter to them while developing advanced research skills, including experimental design, data analysis, critical thinking, and scientific communication. It is designed for students who have demonstrated interest in pursuing a self-driven, independent research project in any area of science.

The course begins with the development and submission of a formal research proposal from each student. Each project should be rooted in a real-world question that is connected to the student's personal interests, community, or topic of interest. Emphasis is placed on developing each student's individual research project into a testable question through literature review, hypothesis development, experimentation, and analytical design. Throughout the course, students will develop their individual research projects through hands-on laboratory experiments, data collection, analysis, and scientific writing. The course culminates with participation in the student presenting their research to the school community and possibly a high school science fair for which the student is eligible, where they present their research through posters, oral presentations, and/or formal discussion.

Honors Seminar: Microbiology Research (GA) - Greenwich Academy

56037

Grade Level: 11th-12th

Placement preference will be given to rising Seniors

Prerequisite: AP Biology or AP Chemistry recommended either previously or taken concurrently.

Application and department approval required in all cases.

The objective of this course is to give students insight into what it means to work in a research lab. The classroom is actually a research lab, and the class is a research group. The focus of the research is the isolation and initial characterization of soil microbes that exhibit antimicrobial properties. We have partnered with the Tiny Earth program out of the University of Wisconsin—a program that crowdsources combatting the antibiotic resistance crisis by searching for new antibiotics using college and high school students. Each student will be the director of their individual project while at the same time contributing to the understanding and work of the entire group. Students will learn techniques in microbiology while culturing their isolates and building a biochemical profile of these soil bacteria species. Students will be assessed on their understanding of the project through the lab journal entries they keep, one lab-based project per quarter, and their final poster that they will present in the spring.

SUMMER SCIENCE ELECTIVES

Summer: Honors Field Ecology Research (f) - Greenwich Academy

56300

Grade Level: 11th–12th

Placement preference will be given to rising Seniors.

Prerequisite: AP Environmental Science or AP Biology recommended.

Application and departmental approval required in all cases.

In this course, students will be introduced to common methods used in field ecology research. Each student will use these methods to design, execute, and analyze their own individual observational study examining the effects of human activity on local biodiversity. The course will build on many skills from AP Environmental Science and AP Biology including experimental design, data collection, species identification, and data analysis. Students will exit the course with a strong understanding of field ecology topics and methods, and will be able to explain how their research has contributed to the broader fields of ecology and environmental science.

The class will center around hands-on field experiences. Therefore, most class periods will be spent outside and the class will make daily trips to the Glenville campus and Devil's Den Preserve in Weston, CT. To accommodate these trips, the majority of the course will take place during the first three weeks of June. Students will be expected to begin their research during the preceding May, and will work independently during the following fall semester to complete their project and present their work at a poster session.

Student applications and departmental approval are required. Once registration is confirmed, this course incurs an additional fee of \$2750. Financial aid is available for students who qualify. Please reach out to Kate Collins, Director of Enrollment and Financial Aid, for more information.

FALL SEMESTER COURSES

Cancer Biology (f)

58050

Grade Level: 10th–12th

Placement preference will be given to rising Seniors.

Prerequisite: A- in Biology; rising 10th graders must take Chemistry concurrently

Cancer is one of the most complex and challenging diseases in modern medicine – yet every breakthrough in understanding its biology brings us closer to new treatments and potential cures. This elective course offers an in-depth exploration of cancer biology, blending historical discoveries with cutting-edge science. Students will begin by examining the process of tumorigenesis and cancer genetics through primary scientific literature, studying key breakthroughs that have shaped our understanding of the disease. The course will then explore the molecular biology of the cell cycle, focusing on checkpoints that regulate cell division and the pivotal role of tumor suppressor proteins like p53. In the lab component of the course, students will practice microscopy and biotechnology techniques. Finally, the course will explore various cancer therapies, from traditional treatments like chemotherapy and radiation to newer, more targeted approaches such as CAR T-cell therapy and Nobel Prize-winning CRISPR-Cas9 gene editing. Through a mix of lectures, lab work, and literature analysis, students will gain an understanding of how cancer develops and is treated, preparing them for further study in molecular biology, medicine, or biotechnology.

Culinary Science I (f)

56041

Grade Level: 10th–12th

Placement preference will be given to rising Seniors

Prerequisite: Biology and Chemistry (concurrently for 10th grade students)

Good science is the backbone of good cooking. In this course, we'll use GA's state of the art culinary lab to bring the scientific method into the kitchen. Students will be asked to design experiments to improve the taste, texture, and aroma of food. We'll apply basic principles of biology and chemistry learned in previous courses to perfect our recipes. As we attempt to achieve food nirvana, we'll tackle everything from breakfast to dessert. Students who elect to take this course should have an adventurous palette, a healthy appetite, and an enthusiasm for science. By the end of the course, students will have a strong foundation in various cooking techniques and will be on their way to becoming lifelong learners in the kitchen.

Engineering I (f)

58039

Grade Level: 12th only

Prerequisite: Science: Two years of science

This course will introduce students to the practical application of science through the completion of various engineering-build projects. Students will improve critical thinking skills through project-based challenges while learning about basic engineering disciplines and various software programs, and by utilizing the fabrication machines and tools within the engineering shop. Students will be required to work in groups and demonstrate strong teamwork and communication skills. This course will allow students to be creative and innovative while applying math and science concepts to solve specific challenges.

Geology (f)

58044

Grade Level: 10th-12th (10th graders must take concurrently with core science course)

Placement preference will be given to rising Juniors and Seniors.

Prerequisite: Science; two years of science, (second year may be concurrent)

The mysteries of the Earth beneath our feet are examined in the Geology course. Topics range from the foundational (plate tectonics, rocks and minerals, structure of the Earth) to the hazardous (volcanoes, earthquakes, tsunamis) and to the majestic (oceans, glaciers, mountains, rivers, deserts). Classes will address recent discoveries and sustainability while exploring the Earth right outside our door. Dinosaurs and New England's tumultuous geologic history remain a focus in this course and serve as opportunities for field trips and hands-on experiences.

Honors Organic Chemistry (f)

56033

Grade Level: 11th-12th

Placement preference will be given to rising Juniors and Seniors.

Prerequisite: B+ in Honors Chemistry or Departmental Approval

Carbon-containing molecules form the basis for art, medicine, and life. This fall semester course studies the nature of these molecules and how to build them. We will expand upon concepts of chemical bonds and stability to explore foundational reactions involving organic compounds. The course is only an introduction to organic chemistry, designed to be engaging and accessible while also rigorous and meaningful. By the end of the semester, students will be able to predict multi-step syntheses and will conduct their own syntheses in the lab.

Marine Biology (f)

58038

Grade Level: 11th–12th

Placement preference will be given to rising Seniors.

Prerequisite: Science: B in Biology and two years of science (second year can be concurrent)

This one semester course provides an introduction to oceanography and marine biology. During the first part of the course students will investigate oceanography including units on marine research, the sea floor, chemical and physical properties of seawater, and the world's oceans. During the second part of the course students will learn about marine organisms including prokaryotes, those that photosynthesize, multicellular invertebrates, and a brief survey of marine vertebrates. Evolution and marine ecology will be emphasized in each unit. Students will be assessed on content, varied lab experiences, and a major presentation. Sophomores are able to register for this course, but must take chemistry or honors chemistry concurrently.

Medical Problem Solving I (f)

58062

Grade Level: 10th–12th

(10th graders must take Chemistry concurrently)

Placement preference will be given to rising Juniors and Seniors.

Prerequisite: A- in Biology and department approval

This course explores the human body, its organization, and its physiology through the lens of medical problem solving and contemporary health issues. Building on foundational anatomy and physiology, students examine real-world medical challenges through case-based learning that addresses topics such as preventive medicine, athletic performance, wellness and mental fitness, infectious disease, addiction, immune response, antibiotics, cardiovascular disease, cancer, neurological and psychological disorders, and the dynamic interconnection between body systems and physical and psychological health. Ethical and societal questions in public health policy—and the intersection of healthcare with government, law, and business—are integrated throughout. The course includes hands-on experiments, dissections, presentations, and structured debates designed to connect biological science to human health, medicine, and real-life clinical scenarios. Designed as an advanced study of biology and biochemistry, this course is well suited for students seeking a deeper understanding of human health and disease, particularly those considering pre-medical or health-related fields. **Fall systems include the cardiovascular, respiratory, digestive and immune systems.**

Modern Physics (f)

58065

Grade Level: 11th-12th

Prerequisite: A- in Honors Physics, AP Physics I or AP Physics C

Corequisite: AP Calculus AB or BC concurrently

This half-year course introduces students to two of the most revolutionary ideas in modern physics, namely relativity and quantum mechanics. Students will explore Einstein's theory of special relativity, discover how measurements of space and time depend on the observer's reference frame and apply the principles of time dilation, length contraction, and relativistic energy-momentum to analyze high-speed objects. In the quantum mechanics portion of the class, students will examine the wave-particle duality of matter and light, become familiar with key experiments and phenomena such as blackbody radiation, the photoelectric effect, and electron diffraction, which reveal the breakdown of classical physics. Students will apply the Schrödinger equation to model quantum systems including the particle in a box, the quantum harmonic oscillator, and the hydrogen atom and develop an understanding of quantization, probability distributions, and the uncertainty principle. Throughout the course, students will investigate how these modern theories explain phenomena ranging from atomic spectra and chemical bonding to causality and the fabric of spacetime.

Sustainability and the Environment (f)

58041

Grade Level: 10th-12th

(10th graders must take concurrently with core science course)

This course seeks to advance students' ability to understand and address real world environmental problems, manage social ecological systems in a sustainable manner, and affect decisions involving environmental policy, resource management, and biodiversity conservation. Although categorized as environmental science, this course delivers an interdisciplinary and integrated experience that provides both breadth and depth about the causes, consequences, and management or remediation of environmental problems ranging from local to global. The topics explored throughout the semester will be partially tailored to reflect the unique interests, passions, and talents of the student cohort. Although challenging, the curriculum leaves students flexibility to pursue greater depth in specific areas of sustainability and environmental science and to expand their knowledge outside of a core curricular course

SPRING SEMESTER COURSES

Cancer Biology (s)

56200

Grade Level: 10th-12th

Placement preference will be given to rising Seniors.

Prerequisite: A- in Biology; rising 10th graders must take Chemistry concurrently

Cancer is one of the most complex and challenging diseases in modern medicine – yet every breakthrough in understanding its biology brings us closer to new treatments and potential cures. This elective course offers an in-depth exploration of cancer biology, blending historical discoveries with cutting-edge science. Students will begin by examining the process of tumorigenesis and cancer genetics through primary scientific literature, studying key breakthroughs that have shaped our understanding of the disease. The course will then explore the molecular biology of the cell cycle, focusing on checkpoints that regulate cell division and the pivotal role of tumor suppressor proteins like p53. In the lab component of the course, students will practice microscopy and biotechnology techniques. Finally, the course will explore various cancer therapies, from traditional treatments like chemotherapy and radiation to newer, more targeted approaches such as CAR T-cell therapy and Nobel Prize-winning CRISPR-Cas9 gene editing. Through a mix of lectures, lab work, and literature analysis, students will gain an understanding of how cancer develops and is treated, preparing them for further study in molecular biology, medicine, or biotechnology.

Cartography (s)

56205

Grade Level: 11th-12th

Placement preference will be given to rising Seniors.

Prerequisite: Two years of science with at least a B in each.

Many of the world's questions - both small and large - are strongly influenced by location. You might already know that Waze relies on maps to estimate your arrival time, but maps also help scientists grow the food you eat and estimate your risk for cancer and other diseases. Students will spend the majority of this course immersed in labs, gaining hands-on experience creating their own maps and analyzing many unique and interesting spatial patterns. We will explore the features needed to create an outstanding map, using concepts from geography, data science, and graphic design. We'll examine examples of maps that have been used for purposes other than science: as artwork, as agents of storytelling, and as weapons of power. Students will exit the class with the skills needed to use mapmaking software to enhance a wide array of future endeavors, from scientific research and architecture to art, recreation, and beyond.

Culinary Science II (s)

56042

Grade Level: 10th–12th

Placement preference will be given to rising Juniors and Seniors.

Prerequisite: Biology and Chemistry (concurrently for 10th grade students)

Pizza is undoubtedly one of the world's best foods. However, most of the pizza that we eat is mediocre at best. There is a lot that can go wrong when making pizza at home or even in a restaurant for that matter. Careful attention must be paid to ingredients, technique, and most importantly, the science behind what really makes an excellent pie. In this course, we'll apply basic principles of biology and chemistry along with the scientific method to the pizza-making process. Using GA's state of the art culinary lab and outdoor pizza oven, students will attempt styles like deep-dish, thin-crust, and everything in between. Want to know the difference between Detroit, New York, and New Haven style pizza? Even better, want to learn how to make really good versions of all three at home? Students who elect to take this course should have a healthy appetite, an adventurous palette for different toppings, and an enthusiasm for science. By the end of the course, students will have a strong foundation in making/shaping dough, selecting/preparing toppings, and sliding pies in and out of the oven. Pizza mastery takes years to achieve, but with the skill set learned in this course, pizza may eventually become part of your culinary wheelhouse.

Engineering II (s)

58040

Grade Level: 12th only

Prerequisite: Two years of science

This course will introduce students to the practical application of science through the completion of various engineering-build projects. Students will improve critical thinking skills through project-based challenges while learning about basic engineering disciplines and various software programs, and by utilizing the fabrication machines and tools within the engineering shop. Students will be required to work in groups and demonstrate strong teamwork and communication skills. This course will allow students to be creative and innovative while applying math and science concepts to solve specific challenges.

Forensic Science (s)

58033

Grade Level: 10th–12th

(10th graders must take concurrently with core science course).

Placement preference will be given to rising Juniors and Seniors.

Prerequisite: Science: Biology

Beginning with a historical look at the development of forensics and modern techniques, we will learn the basis for forensic study and tools as well as utilizing the methods ourselves in laboratory investigations. Topics that we will cover include, but are not limited to, fingerprinting, blood analysis, direct and microscopic investigation of crime scenes, DNA collection and analysis, ballistics, and toxicology. Famous cases and famous forensic investigators are studied as a backdrop for learning the scientific steps beyond modern forensic advancements.

Introduction to Waves and Optics (s)

58064

Grade Level: 10th–12th

Prerequisite: PreCalculus concurrently

This half-year course focuses on the physics of waves and light and explores the important role that these phenomena play in modern technologies. The course is designed as a stand-alone experience and requires no prior physics background, making it accessible to beginners while still offering depth and new material for students with technical interests and previous physics expertise. In the first part of the course, students will study the fundamentals of mechanical and electromagnetic waves, including wave motion, superposition, interference, and resonance. These ideas are explored through intuitive mathematical models and laboratory experiments involving standing waves, harmonic oscillators, beats, and the Doppler effect. The second half of the course focuses on the physics of light and optics. Students will investigate reflection and refraction using lenses, mirrors, and optical instruments, and explore the wave nature of light through interference, diffraction, and polarization. Throughout the course, students will build both a conceptual and practical understanding of wave phenomena, providing a strong foundation for future work in science, engineering, and technology.

Medical Problem Solving II (s)

58063

Grade Level: 10th–12th

(10th graders must take Chemistry concurrently)

Prerequisite: A- in Biology or department approval.

Medical Problem Solving I (f) is NOT a prereq for

Medical Problem Solving II (s)

The second installment of this course explores the human body, its organization, and its physiology through the lens of medical problem solving and contemporary health issues. Building on foundational anatomy and physiology, students examine real-world medical challenges through case-based learning that addresses topics such as preventive medicine, athletic performance, wellness and mental fitness, infectious disease, addiction, immune response, antibiotics, cardiovascular disease, cancer, neurological and psychological disorders, and the dynamic interconnection between body systems and physical and psychological health. Ethical and societal questions in public health policy—and the intersection of healthcare with government, law, and business—are integrated throughout. The course includes hands-on experiments, dissections, presentations, and structured debates designed to connect biological science to human health, medicine, and real-life clinical scenarios. Designed as an advanced study of biology and biochemistry, this course is well suited for students seeking a deeper understanding of human health and disease, particularly those considering pre-medical or health-related fields. **Spring systems include the nervous/psychiatric, reproductive, endocrine and urinary systems.**

Planetary Science (s)

56210

Grade Level: 11th–12th

Placement preference will be given to rising Seniors.

Prerequisite: B in honors chemistry, A- in chemistry,

B in any level of physics; physics concurrently with department approval; preference given to students who have taken geology

What processes formed the elements? What distinguishes planets from other objects? How do the planets in our solar system vary? Do planets exist in other star systems and how do we know? This course aims to address these questions and more by building on chemistry and physics concepts learned in the regular and honors level classrooms. Topics of investigation will reach into the cosmos to discover how the elements are formed and fall back to Earth to explain its unique habitability and sustainability for life as we know it. In order to better understand the world around us and the worlds beyond, this course will use a mixture of field trips, projects, analysis of actual scientific data, and a mix of quantitative and conceptual classwork. Students will leave this course with an appreciation for and ability to make stronger connections between our planet and other phenomena in the Universe.

VISUAL AND PERFORMING ARTS

Participation in the Arts encourages us to react to, record and share our impressions of the world. The goal of the Arts Departments of Brunswick School and Greenwich Academy is to enable students to experience, understand, and enjoy the Visual and Performing Arts, including studio art, dance, music and theater.

The program encourages individual creative expression, the development of specific skills in each area, communication with the public through exhibitions and performances, and appreciation of all art forms. Courses provide recognition of the role of the Arts in history and in the culture of our world.

The departments require of all students a minimum of one year's participation in any of the Arts areas. In addition, students are welcome to participate in a variety of co-curricular dance, music and theater performances, and arts clubs.

VISUAL ARTS

In studio art classes, students are guided to fulfill their individual potential by acquiring and developing skills and techniques in a variety of media, including the resources of new kinds of technology, while solving problems and thinking creatively. They learn to communicate their ideas and emotions in an original, personal style. Aesthetics, art history, art criticism, and contemporary developments are introduced in classes and through field trips, visiting artists, and exhibitions by professionals or by the students themselves.

Art I

61000

Grade Level: 9th-12th

Prerequisite: None

This course emphasizes the fundamentals of fine art techniques including drawing, painting, printmaking, computer graphics, ceramics and sculpture. Important art concepts as composition, perspective, and color theory are introduced. The course challenges each student to think critically and creatively, be original, and to experiment with a variety of materials. Students work from observation, memory, imagination, and personal expression toward styles that express their own vision. They are exposed to historical and contemporary art through visits to museums and galleries, slide presentations, and visits from professional guest artists. A sketchbook for developing designs and a portfolio review are part of the course. Students who have successfully completed this course will be approved for an AP course the following year.

AP Studio Art: 2-D Design Portfolio (BR)

68505

Grade Level: 10th-12th

Prerequisite: Departmental Approval

The two-dimensional design portfolio is intended to address a very broad interpretation of two-dimensional (2-D) design issues. This type of design involves purposeful decision-making about how to use the elements and principles of art in an integrative way. The elements of design (line, shape, illusion of space, illusion of motion, pattern, texture, value, and color) are like a palette of possibilities that artists use to express themselves. The principles of design help guide artists in making decisions about how to organize the elements on a picture plane in order to communicate content. In addition to general work in 2-D design, a concentration is required for the course. A sustained investigation is a body of related works based on an individual's interest in a particular idea expressed visually. It focuses on a process of investigation, growth, and discovery. This portfolio can include the use of advanced technology, digital photography, computer art, computer graphics, graphic design, collage, typography, product design, fabric design, weaving, illustration, drawing, painting, and printmaking.

AP Studio Art I: Guided Material Exploration (GA)

66640

Grade Level: 10th–12th

Prerequisite: Art I, Ceramics I, Film Production I, Computer Graphics I, Honors Engineering and Design or Departmental Approval

At Greenwich Academy, individual ideas are prized and all methods and materials are acceptable in making art for an AP Studio Art portfolio. This course offers a varied development of broad range art techniques and processes. The course covers all the major disciplines in art which may include drawing, design, painting, computer graphics, ceramics, textiles, printmaking, and sculptural techniques. The projects and themes are very open, leaving as much scope for individual exploration and learning as possible. Over the course of the year, students will be guided in the development of their own personal theme and topic to create a portfolio of work for AP submission.

AP Studio Art: Drawing Portfolio (BR)

68500

Grade Level: 10th–12th

Prerequisite: Departmental Approval

The drawing portfolio is designed to address a broad interpretation of drawing issues and media. Light and shade, line quality, rendering of form, composition, surface manipulation, and illusion of depth are drawing issues that can be addressed through a variety of means. Many works of painting, printmaking, and mixed media as well as abstract, observations, and inventive works may qualify. The goal of the class is to address drawing issues, and also to develop a concentration—which is a body of related works based on an individual’s interest in a particular idea expressed visually. It focuses on a process of investigation, growth, and discovery.

AP Studio Art II: Self-Directed Portfolio (GA)

66641

Grade Level: 10th–12th

Prerequisite: A in Art I, Ceramics I, Computer Graphics I, Architecture & Design, Photography or Honors Engineering and Design

AP application and department approval required in all cases.

At Greenwich Academy, individual ideas are prized and all methods and materials are acceptable in making art for an AP Studio Art portfolio. Ahead of the course, students will pose a personal question related to their experience and choose what type of portfolio they would like to submit (AP Drawing, AP 2D or AP 3D). There is no preferred content or style however, students must have a deep understanding of the elements and principles of art and design. In this college-level course, students select materials, processes, and ideas to investigate, guided by their question. They make work through practice, experimentation, and revision, developing skills in connecting materials, processes, and ideas within their work. With support from their teacher, students will self-direct the development and completion of a portfolio of work for AP submission.

AP Studio Art: 3-D Design Portfolio (BR)

68510

Grade Level: 10th–12th

Prerequisite: Departmental Approval

The three-dimensional design portfolio is intended to address a broad interpretation of sculptural issues in depth and space. These may include mass, volume, form, plane, light, and texture. Such elements and concepts may be articulated through additive, subtractive, and/or fabrication processes. A variety of approaches to representation, abstraction, and expression may be part of the student’s portfolio. These might include traditional sculpture, laser cut design sculpture, architectural models, ceramics, three-dimensional fiber arts, or metal work, among others. A sustained investigation of works based on an individual’s interest in a particular idea expressed visually is required.

AP Studio Art: 3-D Design Portfolio (GA)

66489

Grade Level: 11th–12th

Prerequisite: Ceramics I, Honors Ceramics II and Departmental Approval

The three-dimensional design portfolio is for students who intend to create a body of work for submission to the College Board. This portfolio is focused on an inquiry of the student's choosing and includes finished 3-D work as well as written submissions detailing the process through which the work was conceived and created. Students opting to enroll in this 3-D Design Portfolio will focus on work in clay; this may include both sculptural and utilitarian objects. While the course focus is on ceramic fabrication processes, students are encouraged and supported in incorporating other media into their portfolio (wood, cardboard, laser cutting, 3-D printing, fiber arts, metal and more). In addition to scheduled class time, AP Studio Art students are expected to invest additional time into the creation of their portfolio throughout the year.

Honors Seminar: Collaborative Arts (GA)

66625

Grade Level: 11th–12th

Prerequisite: Application and Departmental Approval

This course is for students who have committed two years to the arts (this includes dance, film, ceramics, art, singing, and/or acting) who are looking to distinguish themselves as artists while working in a collaborative and interdisciplinary studio environment. The goal of this course will be to curate, install and present a body of work through a show and/or performance. Over the course of the year, students will gain the benefits of a shared studio space while working towards a common goal. Each student will be required to tie their work into a broader theme and are encouraged to pursue an interdisciplinary approach. Each student will be assigned a faculty advisor based on their area of interest who will work with them over the course of the year. Students will be responsible for teaching a class in their artistic concentration and develop both individual and group work.

Ceramics I

62000

Grade Level: 9th–12th

Prerequisite: None

This course will introduce students to the core techniques of working with clay. We will cover handbuilding (pinch, coil, and slab construction) and wheel-throwing, as well as a variety of surface decoration processes. Assignments will encourage students to explore new ideas and methods, while giving them the creative freedom to create exciting and unique work.

Honors Ceramics II: Ceramic Sculpture (BR)

68142

Grade Level: 10th–12th

Prerequisite: Art I, Ceramics I or Departmental Approval

This course is designed for second-year Ceramics students to advance their range of ceramic techniques and processes, including throwing and hand building, slips, glazes and decoration styles, and firing. They also explore working with different mediums like wire, wood, and plaster with their clay elements. The students are asked to be more independent in the choosing of the themes and topics of the works. The course is built as a lead-in to the Advanced Placement studio courses. Assessment is based on the breadth and quality of the portfolio.

Honors Ceramics II: Skills (GA)

66402

Grade Level: 10th–12th

Prerequisite: Art I, Ceramics I or Departmental Approval

In this course, students will advance their technical skills while finding their voice in the medium. We will investigate ceramics through sculptural and utilitarian applications inspired by historical and contemporary works. Projects will prompt individual problem-solving and interpretation with a focus on craftsmanship and individual expression.

Honors Ceramics III: Voice (GA)

66407

Grade Level: 10th–12th

Prerequisite: Art I, Ceramics I, or Departmental Approval

This third year Honors Ceramics course supports students' deeper inquiry of the medium. We will learn more about ceramic materials, glaze chemistry, loading, and firing work—giving students greater access to the multi-stage process of bringing their ideas to fruition. Students will continue to use a mix of handbuilding and wheel-throwing to develop their creative voice through self-chosen lines of inquiry.

AP Studio Art: 3-D Design Portfolio (Ceramics) (BR)

68511

Grade Level: 10th–12th

Prerequisite: Ceramics I

This three-dimensional AP course is designed for students who have completed the Ceramics 1 course. Building on their fundamental understanding of research, design, and hand-building techniques, students will have the opportunity to further develop their skills. Documenting their process through design sheets, as well as glaze and technique experiments, will play a key role in expanding their creative and technical abilities. Students will explore a variety of advanced forms and construction methods, including the integration of laser-cut technology and other mixed media, to push the boundaries of their work. The course encourages experimentation and risk-taking to foster unique and innovative three-dimensional artworks.

Computer Graphics I

68150

Grade Level: 9th–12th

Prerequisite: None

This course offers the opportunity for students to develop and explore the unlimited design and visual communication possibilities that computers have to offer. The class will cover the use of computers and cameras as tools of the artist, photographer, graphic designer, product designer, and web designer. The goal of the class is to explore computer technology and use it to foster creative thinking as an artist's tool and as a way to enhance the visual clarity and style of any design work. Students will be working with a variety of modern design software, and will adapt to the frequent changes occurring in the fields of computers and interactive media. Hardware includes computers, slide and flatbed scanners, digital cameras, color laser printers, and the Internet. There may be some cross-curricular exploration with other arts classes as well. Students who have successfully completed this course will be approved for an AP course the following year.

Honors Computer Graphics II

68250

Grade Level: 10th–12th

Prerequisite: Computer Graphics I

This course offers the opportunity for students who have already taken the computer graphics class to explore this art form at a more advanced level. Students will be working with a variety of modern design software and will adapt to the frequent changes occurring in the fields of computers and interactive media. The class will cover the use of computers and cameras as tools of the artist, photographer, graphic designer, product designer, and web designer. Hardware includes computers, slide and flatbed scanners, digital cameras, color laser printers, and the Internet. There may be some cross-curricular exploration with other arts classes as well. By the end of this class, students will be expected to produce work meant for a college portfolio or an Advanced Placement concentration. The concentration is a focused body of work exploring a personal, central interest as intensively as possible.

Film Production I

66501

Grade Level: 9th–12th

Prerequisite: None

This course focuses on the development of introductory film production skills. Students will work collaboratively through a series of creative challenges and assignment prompts to develop strong creative problem-solving skills in the film studio. They will learn to write, storyboard, shoot, and edit footage—creating several short films over the course of the year. Students will produce work using a fleet of digital cameras, digital audio recorders and LED lighting equipment. Students will learn the basics of film editing available within Final Cut Pro. Discussion and application of techniques such as camera frame, continuity, coverage, and montage will be addressed. We will also explore new and emerging technology and experimental camera apps. Both feature and short films will be screened as related to assignments.

Honors Film Production II

66502

Grade Level: 10th–12th

Prerequisite: Film Production I

The Honors Film Production II class offers students the opportunity to further develop their film creation, production, and editing skills while exploring new genres and techniques of filmmaking. The focus will be on more advanced levels of editing within Final Cut Pro. Additional time will be spent exploring the range of manual operations on the camera including white balance, exposure, and shutter speed. Students will develop, script, and produce several short films each semester. We will also explore new and emerging technology and experimental camera apps. Both feature and short films will be screened as related to assignments.

Honors Film Production III (BR)

68520

Grade Level: 10th–12th

Prerequisite: Honors Film Production II or Departmental Approval

As a continuation from the build blocks set forth in Film I and II, students will take a more independent journey into video production. Stylistic freedom will be given to the Honors student in the evolution of their content, from conceptual ideas, production advancement, to the final film rendering. Peer groups will be formed to assess and edit ideas as a final script is formed. Students will determine their own shooting schedules and will be assessed weekly on the content they create. Both student and teacher evaluations will be conducted throughout the production process. Collaboration with the Recording Studio and Acting classes will also take place for cross-curricular amelioration. Students will work with DSLR cameras to maximize the quality of their shoots and will edit in Final Cut Pro. Student's will also view and critique professional and independent films in the journey to better understand their own work.

Honors Film Production III (GA)

66504

Grade Level: 10th–12th

Prerequisite: Honors Film Production II or Departmental Approval

This class will provide an opportunity for students who are serious about filmmaking to continue to produce work at a higher and more personal level. Each student will determine the direction, production calendar, and goals for his/her individual creative pursuit. Students will produce work on Canon 5D Mark III cameras and edit in Final Cut Pro. They will be required to assist each other in writer's room, during critiques, while screening professional and festival films, and as crew for each other during production blocks. Time will be dedicated to developing script arcs, beat sheets, storyboarding, and ultimately translating ideas to screen. Preparation of individual film reels for college review will be ongoing throughout the year.

Honors Film Production IV (GA)

66506

Grade Level: 12th

Prerequisite: Honors Film Production III

In this class, students will be given the opportunity to conceive, develop, and produce completely independent, upper-level film projects. Students' work can be created as either single, long form films, or as a series of shorts sharing ideas, focus, or content. Students may work individually or in collaborative teams pending teacher approval. Screenings, critiques, and new equipment workshops will be used throughout the year. This is a highly self-driven, process and product based, upper-level, creative class.

Broadcast Journalism and Media I (BR)

68530

Grade Level: 9th

Prerequisite: None

Learn the basics on how to produce a weekly TV Show. If you are an aspiring TV anchor, reporter, cameraman, writer, editor or producer for a TV Show, this is the class for you. Together we will learn how to collaborate as a team, delegate media tasks and produce a weekly TV show for Brunswick's student run network, WTVN. You will learn the basics on how to operate a semi-professional camera and edit like a pro! Each week we will cover events from the previous week in sports and scholastics. Our mantra is: *Filmed by the students, produced for the students.* WTVN episodes will be shown live in Baker Theatre on the big screen during Brunswick's Upper School assembly. You will develop public speaking tools and organizational tools while learning the basics of Broadcast Journalism and TV production. By the end of this class, you will have a strong foundation of basic film production tools and an extensive portfolio of work that can be cherished for a lifetime and shared with sports media institutions and universities.

Honors Broadcast Journalism and Media II (BR)

68531

Grade Level: 10th-12th

Prerequisite: Media and Broadcast Journalism I or departmental approval

Learn how to produce a TV Show and become a star! If you are an aspiring TV anchor, reporter, cameraman, writer, editor or producer for a TV Show, this is the class for you. Together we will learn how to collaborate as a team, delegate media tasks and produce a weekly TV show for Brunswick's student run network, WTVN. You will develop public speaking tools, refine your skills behind a semi-professional camera and start to edit like a pro! Each week we will cover events from the previous week in sports and scholastics and as an honors class, you will be asked to help create the format for the upcoming show. Our mantra is: *Filmed by the students, produced for the students.* WTVN episodes will be shown live in Baker Theatre on the big screen during Brunswick's Upper School assembly. This is an exciting opportunity to fuel your passion for broadcast journalism and experience what it's like to be a TV executive, anchor or producer. By the end of this class, you will have a portfolio of work that can be cherished for a lifetime and shared with universities and professional production companies to help you create a career path in Broadcast Journalism.

Honors Broadcast Journalism and Media III (BR)

68532

Grade Level: 11th-12th

Prerequisite: Media and Broadcast Journalism II or departmental approval

Learn how to produce a TV Show and become a star! If you are an aspiring TV anchor, reporter, cameraman, personality, writer, editor or producer for a TV Show, this is the class for you. Together we will learn how to collaborate as a team, delegate media tasks and produce a weekly TV show for Brunswick's student run network, WTVN. You will develop public speaking tools, refine your skills behind a semi-professional camera and start to edit like a pro! Each week we will cover events from the previous week in sports and scholastics and as the highest-level class offered, you will be asked to help create the format for the upcoming show and sharpen your project management skills to produce high quality episodes with a deadline in mind. Our mantra is: *Filmed by the students, produced for the students.* WTVN episodes will be shown live in Baker Theatre on the big screen during Brunswick's Upper School assembly. This is an exciting opportunity to fuel your passion for broadcast journalism and experience what it's like to be a TV executive, anchor or producer. By the end of this class, you will have a strong portfolio of work that can be cherished for a lifetime and shared with universities and professional production companies to help you create a viable career path in Broadcast Journalism.

Honors Engineering and Design: Digital Fabrication Lab

66650

Grade Level: 11th-12th

Prerequisite: Departmental approval

*This course is offered jointly through the Engineering and Computer Science and Visual Arts Departments and will be listed under both Departments

This signature honors course is the gateway for anyone passionate about mastering digital fabrication, design, and electronics. Held in GA's E+D Lab, students explore their creative potential through core projects like laser-cut slot animals, 3D-modeled cars, and analog synthesizers. Grounded in experimentation and process documentation, this foundational course builds the technical expertise and confidence needed to bring ambitious engineering and design ideas to life.

Honors Engineering and Design: Woodshop

66651

Grade Level: 11th-12th

Prerequisite: Departmental approval

*This course is offered jointly through the Engineering & Computer Science and Visual Arts departments and will be listed under both departments.

Build life skills and create impressive projects in this honors-level course held in GA's Engineering and Design Lab. Designed for students who love to build, this course covers shop safety and technical mastery using hand and power tools like drills and routers. Master the fundamentals of shaping, joining, fastening, and professional finishing. You will develop your craftsmanship through a progressive series of projects, beginning with carved spoons and bowls and advancing to hand-shaped cutting boards, veneer art, and inlay picture frames, culminating in the construction of a small cabinet.

FALL SEMESTER COURSES

American Film: Tortured Love (f)

66560

Grade Level: 10th–12th

Prerequisite: B+ in a studio or performing arts class

Films can offer a vivid window into characters falling in love - sometimes with the “wrong” person. This course will explore the art, cultural context and emotional impact of some Hollywood studio films that move us. Films to explore include: *Casablanca*; *Double Indemnity*; *Sunset Boulevard*; *Rebel without a Cause*; *Vertigo*; *The Apartment*; *The Graduate*; *Pretty in Pink*; *Romeo and Juliet*; *The Royal Tenenbaums*; *Eternal Sunshine of the Spotless Mind*; *Blue Valentine*; *Past Lives*. Students will develop the vocabulary to analyze film as an art form. Through readings, screenings, and demonstrations, we will examine the craft, meaning, and resonance of films that document the human experience of falling in love. We will explore the roles of the producer, writer and director in developing the script. We will learn how cinematographers, production designers, and editors shape images and sounds. We will look into the varying methods that produce memorable performances that affect us. We will discuss the criticism and business practices that define the tension between the art and commerce of cinema. We will draft and produce some film scenes of our own by utilizing the equipment in the GA film department. This class can be taken in conjunction with the spring semester class, *Beyond Hollywood: Tough Choices* (s), for full year credit, or as a one-semester course in the fall.

Architecture & Design I (f)

68143

Grade Level: 9th–12th

Prerequisite: None

This is an introductory course in which basic fundamentals of architectural design are examined and perfected. Using a combination of problem solving, drawing, and construction techniques students will be introduced to how an idea develops from concept to construction. Students will be introduced to a variety of computer programs which will allow for the development of design ideas and presentation. This course culminates with a series of three-dimensional explorations using a variety of materials and techniques. A laser cut project using Adobe Illustrator will allow students to develop an architectural concept using the latest technology.

Art and Design I (f)

68147

Grade Level: 9th–12th

Prerequisite: None

The course emphasizes the fundamentals of fine art techniques including drawing, painting, printmaking, computer graphics, ceramics, and sculpture. Important art concepts as composition, perspective, and color theory are introduced. The course challenges each student to think critically and creatively, be original, and to experiment with a variety of materials. Students work from observation, memory, imagination, and personal expression toward styles that express their own vision. They are exposed to historical and contemporary art through visits to museums and galleries, slide presentations, and visits from professional guest artists. Students who have successfully completed this course will be approved for an AP course the following year.

Creative Technologies: 3D Building (f)

66621

Grade Level: 9th–12th

Prerequisite: None

Note: Fall and spring sequence required for 9th graders

Do you love to construct and build artistic creations with your hands? Trade your screens for sawdust and pixels for plaster and join us in GA's Engineering and Design Lab where we will explore the possibilities of creating art in a fully equipped workshop. Use saws and files to shape wood, make relief carvings, and form found-object assemblages. See the potential in raw materials and use tools to bring those ideas to life.

Introduction to Photography I (f) (GA)

66551

Grade Level: 10th-12th

Prerequisite: None

Explore the art of capturing moments in time in this introductory photography course. You will learn essential techniques of operating a digital camera, how to compose compelling images, and understand the magic of lighting. In addition, you will end this course with a knowledge of how to edit images in Adobe Lightroom and Photoshop. Through hands-on projects and consistent critiques, you'll develop both technical skills and artistic vision, preparing you for further artistic studies or a lifelong passion for photography.

STEAM-101: The Coding Palette (f)

78610

Grade Level: 12th

Prerequisite: None

Note: This interdisciplinary course fulfills the requirement of a semester of Computer Science OR Art

Where art meets algorithms. This course sits at the intersection of computer science and visual arts, blending logical problem-solving with creative expression. You'll learn not just how to code, but how to articulate your artistic vision through digital tools.

Using Processing - a more accessible alternative to Java developed at MIT Media Lab - you'll study the work of iconic artists and challenge yourself to recreate their techniques digitally, then render them in various physical media. For each piece you create, you'll write your own code to generate the artwork, experiment with AI-assisted variations, and refine your approach to achieve your intended aesthetic. The emphasis is on understanding the mathematical patterns behind visual beauty and making deliberate creative choices.

From coding fundamentals to finished gallery pieces, you'll develop and showcase projects that demonstrate how computational thinking can enhance artistic expression. This is where code becomes a creative medium.

SPRING SEMESTER COURSES

Architecture & Design II (s)

68145

Grade Level: 9th–12th

Prerequisite: None

This course is a practical look at architecture through drawing, design, and construction using a variety of different media. It is structured to develop an understanding and ability to use representational media to visualize, document, investigate, and present intentions within the graphic language of architectural communication. Students will be introduced to computer programs AutoCad and Rhino, which will allow for the development of design ideas and presentation. This course culminates with a series of three-dimensional explorations. A laser cut project using Adobe illustrator will allow students to develop an architectural concept using the latest technology.

Art and Design II (s)

68148

Grade Level: 9th–12th

Prerequisite: None

The course emphasizes the fundamentals of fine art techniques including drawing, painting, printmaking, computer graphics, ceramics, and sculpture. Important art concepts as composition, perspective, and color theory are introduced. The course challenges each student to think critically and creatively, be original, and to experiment with a variety of materials. Students work from observation, memory, imagination, and personal expression toward styles that express their own vision. They are exposed to historical and contemporary art through visits to museums and galleries, slide presentations, and visits from professional guest artists. Students who have successfully completed this course will be approved for an AP course the following year.

Beyond Hollywood: Tough Choices (s)

66561

Grade Level: 10th–12th

Prerequisite: B+ in a studio or performing arts class

Films can offer a vivid window into characters making a choice - sometimes with “bad” results. This course will explore the art, cultural context and emotional impact of some films, made outside the gates of the Hollywood studios, that move us. Films to explore include: *Bicycle Thieves*; *Summer with Monika*; *On the Waterfront*; *400 Blows*; *Harold and Maude*; *Badlands*; *Sophie’s Choice*; *La Promesse*; *Where is the Friend’s House*; *Trois Couleurs: Rouge*; *Run Lola Run*; *In the Mood for Love*; *Good Will Hunting*; *Shiva Baby*. Students will develop the vocabulary to analyze film as an art form. Through readings, screenings, and demonstrations, we will examine the craft, meaning, and resonance of films that document the human experience of making a tough choice. We will explore the roles of the producer, writer and director in developing the script. We will learn how cinematographers, production designers, and editors shape images and sounds. We will look into the varying methods that produce memorable performances that affect us. We will discuss the criticism and business practices that define the tension between the art and commerce of cinema. We will draft and produce some film scenes of our own by utilizing the equipment in the GA film department. This class can be taken in conjunction with the fall semester class, *American Film: Tortured Love (f)*, for full year credit, or as a one-semester course in the spring.

Creative Technologies: 2D Digital Fabrication (s)

66622

Grade Level: 9th–12th

Prerequisite: None

Note: Fall and spring sequence required for 9th graders

Do you love using technology in the creation of physical art? Bridge the gap between digital precision and tactile craft in GA’s Engineering and Design Lab, reimagining this high-tech lab as a contemporary art studio. Investigate the use of advanced mechanical tools often intended for specific functions, to create open-ended, art-based finished work. Use laser cutters, vinyl cutters, and robotic plotters to manipulate paper, paint, and found-material constructions.

Introduction to Photography II (s) (GA)

66552

Grade Level: 10th-12th

Prerequisite: None

Explore the art of capturing moments in time in this introductory photography course. You will learn essential techniques of operating a digital camera, how to compose compelling images, and understand the magic of lighting. In addition, you will end this course with a knowledge of how to edit images in Adobe Lightroom and Photoshop. Through hands-on projects and consistent critiques, you’ll develop both technical skills and artistic vision, preparing you for further artistic studies or a lifelong passion for photography.

STEAM-101: The Coding Palette (s)

78611

Grade Level: 12th

Prerequisite: None

Note: This interdisciplinary course can fulfill the requirement of a semester of Computer Science OR Art

Where art meets algorithms. This course sits at the intersection of computer science and visual arts, blending logical problem-solving with creative expression. You’ll learn not just how to code, but how to articulate your artistic vision through digital tools.

Using Processing - a more accessible alternative to Java developed at MIT Media Lab - you’ll study the work of iconic artists and challenge yourself to recreate their techniques digitally, then render them in various physical media. For each piece you create, you’ll write your own code to generate the artwork, experiment with AI-assisted variations, and refine your approach to achieve your intended aesthetic. The emphasis is on understanding the mathematical patterns behind visual beauty and making deliberate creative choices.

From coding fundamentals to finished gallery pieces, you’ll develop and showcase projects that demonstrate how computational thinking can enhance artistic expression. This is where code becomes a creative medium.

PERFORMING ARTS

The Music Departments of Brunswick School and Greenwich Academy offer students the opportunity to perform in a variety of ensembles, both choral and instrumental. Non-performance classes are also available, including AP Music Theory and Recording Studio.

Honors Seminar: Collaborative Arts (GA)

66625

Grade Level: 11th–12th

Prerequisite: Application & Departmental Approval

This course is for students who have committed two years to the arts (this includes dance, film, ceramics, art, singing, and/or acting) who are looking to distinguish themselves as artists while working in a collaborative and interdisciplinary studio environment. The goal of this course will be to curate, install and present a body of work through a show and/or performance. Over the course of the year, students will gain the benefits of a shared studio space while working towards a common goal. Each student will be required to tie their work into a broader theme and are encouraged to pursue an interdisciplinary approach. Each student will be assigned a faculty advisor based on their area of interest who will work with them over the course of the year. Students will be responsible for teaching a class in their artistic concentration and develop both individual and group work.

INSTRUMENTAL MUSIC

There are a number of opportunities for instrumental musicians at the Academy and Brunswick. Brass, woodwind, guitar and percussion students may play in large and small ensembles, from chamber music to auditioned jazz groups such as the Blue Notes. Private lessons are offered on all instruments as well as in piano and voice.

Modern Band I: Performance & Improvisation

68355

Grade Level: 9th

Prerequisite: None

Freshman Band is the first stop for 9th graders in our US music program. This class is open to all instruments and builds upon the concepts and skills from middle school. A wide range of genres are covered including, rock, blues, funk, reggae, R&B and world music styles. During the course of the year, students will strengthen sight reading skills, rhythmic interpretation, melody and harmony. We will also explore improvisation at a ground level so as to build confidence in soloing. Upon completion, students can choose to play in the Blue Notes (Honors) or Honors Music Improv.

Guitar I

68149

Grade Level: 9th–12th

Prerequisite: None

This course is designed to help students increase their guitar playing knowledge and ability. Students will also learn how to play in a group setting. Students will cover a variety of styles including rock, classical, and popular music songs. We will also be covering basic chords, (barre and open) notes on the guitar neck, and reading notes and rhythm. This class will perform at our three major concerts in the fall, winter, and spring.

Recording Studio I

68154

Grade Level: 9th–12th

Prerequisite: None

This course teaches students how to use the recording, mixing, and engineering program Logic Pro. Students need no prior experience or other music courses to participate in this class. During the year, students will learn the basic techniques necessary to record instruments and vocals. They will also learn basic piano theory along with rhythmic studies. Programming loops and original drum beats will help them in the composition of their own projects. There are also numerous opportunities for collaborative projects. Students will be able to present their work to the school community several times throughout the year.

Honors Modern Band II: Performance & Improvisation

68356

Grade Level: 10th

Prerequisite: None

Modern Band II is open to all instrumentation, including brass, woodwinds, percussion, electric bass and guitar, keyboard, and strings. This course will further the student's knowledge of chord structure, scale usage, rhythm, and form by studying various jazz styles and genres such as the blues, R&B, funk, swing, Latin, and pop. Members of this band will continue to develop their own musical vocabulary and become more skilled at applying them to improvised solos and jazz technique.

Honors Guitar II

68249

Grade Level: 10th–12th

Prerequisite: Guitar Ensemble I or Departmental Approval

Honors Guitar II is offered to students on both campuses who wish to increase their guitar playing skills beyond what is learned in Guitar I. Instruction includes advanced chords, power chords, finger-style picking, and reading tablature. All students will have the opportunity to learn to play bass guitar along with improving techniques and skills on electric guitar and acoustic guitar.

Honors Recording Studio II

68254

Grade Level: 10th–12th

Prerequisite: Recording Studio I

This course is a continuation of the skills and techniques learned in Recording Studio I. This course will offer a number of project opportunities for students, such as recording CDs, creating background music and sounds for movie and theatrical productions, recording and engineering CDs for fellow classmates, and becoming more advanced in the technical knowledge in this cutting edge technological field. Previous recording experience (or Recording Studio) is a prerequisite for this course.

Honors Music Improv I

68157

Grade Level: 10th–12th

Prerequisite: Band I or Departmental Approval

Popular Music Education is becoming more and more popular in schools around the world because it provides the musician with a number of skills necessary to understand and directly apply musical concepts in a collaborative environment. At Brunswick, our Music Improv classes provide just that. Students work together with their instructor to pick repertoire that best showcases their abilities and talent. Through learning a varied repertoire of songs, students will better understand how to apply their knowledge of diatonic harmony and improvisational skills. All instrumentation are welcome! Students will have the opportunity to perform at all major concerts and functions throughout the year.

Honors Music Improv II

68257

Grade Level: 11th–12th

Prerequisite: Audition or Departmental Approval

Honors Music Improv II builds on the same foundation as Honors Music Improv I but explores repertoire that is slightly more demanding in terms of musical complexity. Students will have a better grasp on soloing and understand how to use modes as a springboard to improvisation. Rhythm sections will “lock” and groove with greater ease. Our Honors Music Improv bands are featured both in and out of school. They have been asked on several occasions to play at The Greenwich Town Party, sharing the bill with Eric Clapton and Santana, to name a few.

The Blue Notes

68351

Grade Level: 10th–12th

Prerequisite: Audition or Departmental Approval

The Blue Notes provides an opportunity for students to perform in a traditional jazz big band. Strong sight-reading skills play a major role in this class. Students will develop the skills necessary to perform a varied repertoire with a focus on jazz. This group employs the traditional instrumentation of four trumpets, four trombones, five saxophones, piano, bass, and drums. Members of the band will learn about the history of jazz as well as explore the melodic, harmonic, and rhythmic concepts used to “speak” the language. Frequent playing tests (both individually and as a section) are used to measure the success of each member and section. Auditions are held in the spring for the following school year.

VOCAL/CHORAL MUSIC

In the choral groups, the goal is to educate students in the rudiments of music in order to be literate and proficient in reading and performing from various historical periods and musical styles. The vast choral repertoire for male, female, and mixed voices is explored.

Gospel Choir

66201

Grade Level: 9th–12th

Prerequisite: None

Gospel choir is open to students in both Brunswick and Greenwich Academy. Participating members will receive one half-credit for the year towards their arts requirement. Students will have the opportunity to explore the various styles of gospel music, both contemporary and traditional. Emphasis will be placed on strengthening vocal technique and part singing ability. Singers will perform as an ensemble with solo opportunities throughout the school year. No audition is necessary. Rehearsals are held during the Clubs time on Fridays with some additional rehearsals scheduled as needed. Students will perform for concerts and assemblies during the school year.

Morning M.O.B.

68320

Grade Level: 9th–12th

Prerequisite: Audition will take place the first week of school

Men Of Brunswick is an audition-based class designed for singers that can recognize pitch, tone color, and rhythms by hearing, and then demonstrating that through singing and performance. In this advanced choir, students will learn advanced skills of singing and reading music. This class offers opportunities for students to develop team-building and leadership skills while performing various styles of music such as pop, gospel, classical, and musical theater. Students will perform at our three major concerts in the fall, winter, spring, and also include football games and various events throughout the school year. The ensemble will be limited to 20–25 members and will meet three mornings per week.

Bel Canto

66100

Grade Level: 9th–10th

Prerequisite: None

This course is open to any GA student who is interested in singing. The focus of the class is to build a healthy vocal technique for each singer, whether her goal is to perform in school musicals or audition for Madrigal Singers. Singers will perform as an ensemble in school concerts throughout the year, studying treble literature of all styles, from classical to popular music. Bel Canto (from the Italian, beautiful singing) is a style that emphasizes beauty of tone throughout the full range of the voice. Students will also concentrate on improving sight-singing skills through solfege study and basic music theory.

Bel Canto is a prerequisite course for Madrigal Singers.

Madrigals Honors Ensemble

66300

Grade Level: 10th–12th

Prerequisite: Bel Canto; Audition Required

This course is designed to offer the most advanced level of choral music training at Greenwich Academy. The Madrigal Singers study treble literature of all periods, from the Renaissance through contemporary music. Their schedule includes several performances during the year for school and community events and other performances outside of school.

Musical excellence is achieved by emphasis on ear training, vocal/choral techniques, and study of the highest quality literature written for women's voices. Students are assessed through regular testing on music theory concepts and performance repertoire. Auditions are held in the spring for the following school year. Students with other choral experience or voice training may audition with the permission of the instructor.

As part of the course, Madrigals participate in an international tour every two years. The next tour is scheduled for June of 2028.

THEATER

The Theater Arts Department offers classes in both performance and technical studies. The program is structured for students who are serious about their craft as well as those who want to take a class for the joy of it. With creativity and collaboration students learn the process of bringing a production from conception through performance. By heightening individual skills, students become a part of the collective whole. Theater students are encouraged to supplement their class work by participating in any of the numerous productions mounted each year.

Acting I

68410

Grade Level: 9th–10th

Prerequisite: None

This full year course is designed for anyone who is interested in acting. Students will develop essential performance skills, including strong diction, confident stage presence, and the ability to portray a character effectively. Actors will learn to tackle a wide variety of material, from mastering challenging Shakespeare monologues to performing truthfully in contemporary scenes from modern plays and films. In addition to our in-class stage performances, we will work in collaboration with the film class to create short, filmed scenes. The course will be taught jointly by faculty from Greenwich Academy and Brunswick. Classes will be held on both campuses: one semester at Brunswick and one semester at Greenwich Academy.

Honors Acting II

68430

Grade Level: 10th–12th

Prerequisite: Acting I or Departmental Approval

Students will explore a variety of different acting techniques through vocal and movement exercises and in depth scene study. The course will also study how theater has questioned and challenged cultural norms of each generation as we consider the social, political, and psychological reasoning for different approaches to acting. We will work to find the acting techniques that resonate best with each individual student by looking at some of the most influential innovators, such as Stanislavski, Meisner, and Strasberg. The course will be taught jointly by faculty from Greenwich Academy and Brunswick. Classes will be held on both campuses: one semester at Brunswick and one semester at Greenwich Academy. Students need to have taken Acting I or have permission from one of the instructors.

Honors Acting III

68433

Grade Level: 11th–12th

Prerequisite: Honors Acting II and Departmental Approval

This course—for both the actor and director—investigates tools to create a character on stage. Students will take turns between acting and directing scenes after a thorough analysis of the material. Through advanced scene study students will focus on process as well as product. Course projects will include showing one's work as both actor and director to an audience.

Honors Playwriting and Directing

66424

Grade Level: 11th–12th

Prerequisite: Honors Acting or Departmental Approval

This course gives students the opportunity to write their own short scenes and one-act plays and develop them into a theatrical production. Members of the class serve as actors and directors for one another. Students will help bring original student works to life by providing input from these different perspectives so that everyone can experience the advantage of thoughtful collaboration in the creation of a new play. Each student's final script will be entered in the Stamford Young Playwright competition.

Theatrical Design and Stage Craft I

68421

Grade Level: 9th–12th

Prerequisite: None

Students are introduced to the elements of basic stagecraft in this open-level course. Utilizing the stages and stage equipment in the Baker and Black Box Theaters, students focus on the professional conventions used today in set construction, scene painting, costumes, lighting,

and sound. Students have the opportunity to learn experientially using stage, lighting, and sound equipment as crew members for the various productions that happen throughout the year.

Honors Theatrical Design and Stage Craft II

68423

Grade Level: 10th–12th

Prerequisite: Theatrical Design and Stage Craft I or Departmental Approval

Students continue their education in stage technology and design in this second-year course. Advanced study in set construction, stage management, lighting, and sound engineering is based largely on the student's preference in this open course. Students also continue study in set, lighting, and sound design principles through a partnership with the Acting II class wherein they will plan, design, and execute small theater projects. Technical design using the computer drafting program AutoCAD, basic set design sketching, lighting plot design, and sound design principles are also introduced.

Honors Theatrical Design and Stage Craft III

68424

Grade Level: 10th–12th

Prerequisite: Honors Theatrical Design and Stage Craft II or Departmental Approval

Requiring the foundational skills gained through Honors Theatrical Design and Stagecraft II, this class focuses course work on one to two chosen areas of specialized study within the technical theater realm. Honors students may elect to pursue advanced projects in the following areas: set design/construction, light design/electrics, sound design/audio engineering, and/or technical direction. Practicums are required for various concerts and special events during the academic year. These experiential projects are used as training exercises in anticipation of Brunswick's fall play, winter musical, and spring comedy, for which students will be assigned management-level production posts in their chosen area(s).

Costume Design I

66411

Grade Level: 9th–12th

Prerequisite: None

Students will be introduced to the fundamentals of costume design in this open-level course. They will have the opportunity to learn every element, from the initial design concept to the final garment, while gaining hands-on experience. Students will explore styles (including wig, makeup, and accessory design) and their historical contexts from ancient civilization to today. Show budgeting and basic sewing skills will be taught throughout the course, with a culminating project: designing the Group V play.

Honors Costume Design II

66413

Grade Level: 10th–12th

Prerequisite: Costume Design I

This course offers an opportunity for students to develop further skills learned in Costume Design I. Students will experience new approaches to Costume design by creating wearable art and exploring different methods of creating garments through technology. In addition, students will continue to build on their knowledge of historical styles, budgeting, and garment construction. In the culminating project, students will design costumes for the Group VII play, beginning with the initial concept and moving on to the finished garments.

DANCE

The goal of the dance program is to provide an artistic, technical, and creative physical outlet for our students. Dance classes (which are offered as an alternative to PE) and the performing companies at GA emphasize sophisticated, versatile training through exposure to a variety of contemporary and classical dance forms with professional faculty and visiting guest artists. Options exist for students ranging in experience from advanced dancers to those who have never formally studied dance before. A balanced emphasis on technique and composition ensures a unique opportunity for our students to develop as dancers and choreographers.

Junior Dance Corps

66361

Grade Level: 9th–12th

Prerequisite: Audition

Junior Dance Corps (JDC) is the preparatory company for the Greenwich Academy Dance Corps. Once selected from an audition process during pre-season, JDC members are invited to participate for the duration of their time at the Academy, or they may wish to audition again for admittance to Dance Corps. JDC is composed of students in grades 9–12 who have exhibited a love of dance and a desire to build upon their creative and technical abilities. JDC meets every Thursday after school in the PAC. Members are required to perform in both Winterfest and the Spring Dance Concert and to attend at least one trimester of Dance classes as an alternative to P.E. JDC members may be invited to showcase their choreography during their time in the company.

Honors Dance Corps

66380

Grade Level: 9th–12th

Prerequisite: Audition

The Greenwich Academy Dance Corps is our resident dance company composed of students from grades 9–12 who have been selected for their technical ability, interest in creative expression, and commitment to dance. Once selected from an audition process during pre-season, Dance Corps members are invited to participate for the duration of their time at the Academy. Dance Corps members must take at least two trimesters of Dance classes as an alternative to P.E. during the school year. A commitment to Dance Corps includes rehearsal on Monday evenings and most Sunday afternoons to prepare for Winterfest and the Spring Dance Concert. These concerts feature dances from a variety of dance styles and techniques, many of which are choreographed by Dance Corps members. Dance Corps members also have the opportunity to work with professional faculty and guest choreographers as part of our Upper School dance residency—an experience which broadens their understanding of movement and of the dance field.

COMPUTER SCIENCE—BRUNSWICK SCHOOL

Brunswick School's computer science curriculum reflects our philosophy that computer science is an extraordinarily important skill that is essential for every student's future success. Studying computer science fosters a strong and lasting foundation of critical thinking and problem-solving skills that are transferable across disciplines.

Beginning with the class of 2023, Brunswick took the bold step of making computer science a mandatory graduation requirement, underlining our recognition that an education built upon a STEM foundation is vital for academic success and life beyond high school.

Computer science doesn't just engage and excite - it demonstrably strengthens problem-solving abilities, sparks creativity, builds perseverance, and enhances teamwork skills. Brunswick's commitment to providing exceptional computer science education ensures our students are well-equipped to thrive in the fiercely competitive and A.I. driven job market of today's digital economy, bolstering their career and creative pursuits.

FALL SEMESTER COURSES

CS-101: Introduction to Creative Computing (f)

78111

Grade Level: 9th–12th

Prerequisite: None

Note: Fulfills the graduation requirement of a semester in Computer Science

Jump into computer science without the pressure of traditional text-based coding languages. This course uses innovative platforms and visual programming languages to make computational thinking accessible and engaging for every student.

Through hands-on projects using Scratch, Tynker, Microsoft MakeCode, and MIT's App Inventor, you'll tackle real problems by breaking them into smaller, manageable pieces. Each project follows a three-step approach: first you'll build your own solution using visual blocks, then you'll compare it to an AI-generated version, and finally you'll debug and improve both approaches to understand which is more efficient and why.

Whether you're animating stories, designing games, or building simple apps, CS-101 shows you that programming is about logic and problem-solving, not just getting code to run. No prior experience needed - just curiosity and a willingness to experiment.

CS-102: Introduction to Web Design and Development (f)

78112

Grade Level: 9th–12th

Prerequisite: None

Note: Fulfills the graduation requirement of a semester in Computer Science.

Bring your creativity and we'll teach you the skills to become a web designer. Starting with the fundamentals of web technologies, you'll learn to design and prototype modern user interfaces using HTML, CSS, JavaScript, Python, jQuery, and more.

This project-based course emphasizes hands-on learning aligned with industry best practices. You'll build increasingly sophisticated websites while learning to think critically about design choices. For each feature you implement - whether it's a navigation menu, image gallery, or responsive layout - you'll code it yourself, examine how AI might approach the same problem, then refine your work by identifying what makes one solution cleaner or more maintainable than another.

Your culminating project will be a professional blog or portfolio site with custom features tailored to your content, optimized to work beautifully across any device. You'll walk away with both a polished product and a genuine understanding of what makes modern websites work.

CS-103: Introduction to Computer Science (f)

78113

Grade Level: 9th–12th

Prerequisite: None

Note: Fulfills the graduation requirement of a semester in Computer Science.

Behind every mouse click or touchscreen tap is a program that makes things happen. CS-103 introduces the fundamental building blocks of programming and teaches you how to write clear, functional programs in Python, a language known for its readable syntax and powerful capabilities.

This course develops computational thinking - the ability to break complex problems into logical steps and solve them systematically. You'll write code from scratch, analyze AI-generated solutions to understand different approaches, and debug both to learn what makes programs work or fail. The goal isn't just working code; it's understanding why it works, recognizing edge cases, and being able to explain your reasoning.

Through this iterative process of coding, comparing, and refining, you'll become a better thinker and communicator while building the problem-solving skills that transcend any single programming language or technology.

STEAM-101: The Coding Palette (f)

78610

Grade Level: 12th

Prerequisite: None

Note: This interdisciplinary course fulfills the requirement of a semester of Computer Science OR Art

Where art meets algorithms. This course sits at the intersection of computer science and visual arts, blending logical problem-solving with creative expression. You'll learn not just how to code, but how to articulate your artistic vision through digital tools.

Using Processing - a more accessible alternative to Java developed at MIT Media Lab - you'll study the work of iconic artists and challenge yourself to recreate their techniques digitally, then render them in various physical media. For each piece you create, you'll write your own code to generate the artwork, experiment with AI-assisted variations, and refine your approach to achieve your intended aesthetic. The emphasis is on understanding the mathematical patterns behind visual beauty and making deliberate creative choices.

From coding fundamentals to finished gallery pieces, you'll develop and showcase projects that demonstrate how computational thinking can enhance artistic expression. This is where code becomes a creative medium.

SPRING SEMESTER COURSES

CS-101: Introduction to Creative Computing (s)

78121

Grade Level: 9th–12th

Prerequisite: None

Note: Fulfills the graduation requirement of a semester in Computer Science.

Jump into computer science without the pressure of traditional text-based coding languages. This course uses innovative platforms and visual programming languages to make computational thinking accessible and engaging for every student.

Through hands-on projects using Scratch, Tynker, Microsoft MakeCode, and MIT's App Inventor, you'll tackle real problems by breaking them into smaller, manageable pieces. Each project follows a three-step approach: first you'll build your own solution using visual blocks, then you'll compare it to an AI-generated version, and finally you'll debug and improve both approaches to understand which is more efficient and why.

Whether you're animating stories, designing games, or building simple apps, CS-101 shows you that programming is about logic and problem-solving, not just getting code to run. No prior experience needed - just curiosity and a willingness to experiment.

CS-102: Introduction to Web Design and Development (s)

78122

Grade Level: 9th–12th

Prerequisite: None

Note: Fulfills the graduation requirement of a semester in Computer Science.

Bring your creativity and we'll teach you the skills to become a web designer. Starting with the fundamentals of web technologies, you'll learn to design and prototype modern user interfaces using HTML, CSS, JavaScript, Python, jQuery, and more.

This project-based course emphasizes hands-on learning aligned with industry best practices. You'll build increasingly sophisticated websites while learning to think critically about design choices. For each feature you implement - whether it's a navigation menu, image gallery, or responsive layout - you'll code it yourself, examine how AI might approach the same problem, then refine your work by identifying what makes one solution cleaner or more maintainable than another.

Your culminating project will be a professional blog or portfolio site with custom features tailored to your content, optimized to work beautifully across any device. You'll walk away with both a polished product and a genuine understanding of what makes modern websites work.

CS-103: Introduction to Computer Science (s)

78123

Grade Level: 9th–12th

Prerequisite: None

Note: Fulfills the graduation requirement of a semester in Computer Science.

Behind every mouse click or touchscreen tap is a program that makes things happen. CS-103 introduces the fundamental building blocks of programming and teaches you how to write clear, functional programs in Python, a language known for its readable syntax and powerful capabilities.

This course develops computational thinking - the ability to break complex problems into logical steps and solve them systematically. You'll write code from scratch, analyze AI-generated solutions to understand different approaches, and debug both to learn what makes programs work or fail. The goal isn't just working code; it's understanding why it works, recognizing edge cases, and being able to explain your reasoning.

Through this iterative process of coding, comparing, and refining, you'll become a better thinker and communicator while building the problem-solving skills that transcend any single programming language or technology.

STEAM-101: The Coding Palette (s)

78611

Grade Level: 12th

Prerequisite: None

Note: This interdisciplinary course can fulfill the requirement of a semester of Computer Science OR Art.

Where art meets algorithms. This course sits at the intersection of computer science and visual arts, blending logical problem-solving with creative expression. You'll learn not just how to code, but how to articulate your artistic vision through digital tools.

Using Processing - a more accessible alternative to Java developed at MIT Media Lab - you'll study the work of iconic artists and challenge yourself to recreate their techniques digitally, then render them in various physical media. For each piece you create, you'll write your own code to generate the artwork, experiment with AI-assisted variations, and refine your approach to achieve your intended aesthetic. The emphasis is on understanding the mathematical patterns behind visual beauty and making deliberate creative choices.

From coding fundamentals to finished gallery pieces, you'll develop and showcase projects that demonstrate how computational thinking can enhance artistic expression. This is where code becomes a creative medium.

FULL YEAR COURSES

CS-201: AP Computer Science Principles

78605

Grade Level: 9th–12th

Prerequisite: Departmental Approval required.

Note: Fulfills the graduation requirement of a semester in Computer Science.

A college-level computer science course based on the College Board curriculum. AP Computer Science Principles explores how computing and technology shape the world around us while deepening your understanding of core computational concepts.

The course covers essential topics including creativity, programming, abstraction, algorithms, data management, the internet, cybersecurity, and computing's global impact. You'll tackle real-world problems with technological solutions, developing your ability to think both critically and creatively about how software systems work.

Through a project-based approach, you'll practice comparative problem-solving: writing your own code, evaluating AI-generated alternatives, and debugging both to understand which approaches are more elegant or efficient. This iterative process helps you develop computational artifacts and build a digital portfolio while learning to articulate your design decisions with clarity and precision.

By engaging with simulations and creative projects aligned with your interests, you'll see how abstract computational principles translate into tangible solutions, preparing you for the AP exam and for thinking like a computer scientist.

CS-211: AP Cybersecurity

78211

Grade Level: 10th–12th

Prerequisite: Departmental Approval required.

Note: Fulfills the graduation requirement of a semester in Computer Science.

Hackers are getting smarter. So are you.

Learn to think like both attacker and defender in this hands-on cybersecurity course. Detect phishing attacks. Secure wireless networks. Configure firewalls. Analyze suspicious login attempts. Understand how AI is weaponized in cyberattacks and defense.

You'll protect five critical domains: devices, networks, the Internet, applications and data, and society itself. Through real-world scenarios, you'll assess risks, implement security controls, respond to incidents, and solve authentic problems in teams. Every system has vulnerabilities. You'll learn to find them before the bad guys do.

Earn a qualifying AP score and you'll receive college credit plus the AP Cybersecurity Credential, an industry-recognized certification that can unlock a free voucher for the CompTIA Security+ exam.

No coding required. Just bring your curiosity and commitment to protecting the digital world we all depend on.

CS-202: AP Computer Science A

78606

Grade Level: 10th–12th

Prerequisite: CCS-201: AP CSP. Departmental Approval required. Exceptionally strong math students may enroll without prior CS coursework with approval.

Note: Fulfills the graduation requirement of a semester in Computer Science.

A rigorous college-level course that teaches students how to think algorithmically and solve problems efficiently using Java. This course provides comprehensive training in object-oriented programming and the theory of computer science.

Topics include Java syntax, arithmetic expressions, text processing, variables, control structures (conditional and iterative statements), data structures (strings, arrays, and ArrayLists), object-oriented programming, data encapsulation, class and method design, inheritance, recursion, and sorting algorithms.

Problem sets and labs are inspired by real-world domains including biology, cryptography, finance, forensics, and gaming. You'll sharpen your logical thinking by crafting effective programming solutions to complex problems. The course emphasizes writing programs that are well-organized, efficient, and maintainable.

You'll analyze your own implementations alongside AI-generated code to understand trade-offs in design patterns, performance, and readability, then defend your architectural choices with evidence and reasoning. This deep dive into object-oriented programming teaches you to think systematically about software design while preparing you thoroughly for the AP Computer Science A exam.

CS-301: Honors Machine Learning and AI

78607

Grade Level: 12th

Prerequisite: CS-201: AP CSP or CS-202: AP CSA. Departmental approval required. Exceptionally strong math students may enroll without prior CS coursework with approval.

Note: Fulfills the graduation requirement of a semester in Computer Science.

This honors course introduces students to machine learning and AI principles using industry-standard tools including Jupyter Notebook, Python, NumPy, Pandas, and Scikit-learn. Students work with real-world datasets to apply statistical modeling techniques — linear and logistic regression, decision trees, and random forests — to uncover patterns and generate predictions.

Core topics include descriptive and inferential statistics, correlation, confidence intervals, supervised and unsupervised learning, and model evaluation. Students build models from scratch, compare them with AI-assisted approaches, and critically evaluate appropriate methods for different data types and prediction tasks.

Through team-based projects, students develop a professional GitHub portfolio demonstrating data management, predictive modeling, and technical communication skills. The course emphasizes computational thinking, inferential reasoning, and collaboration.

Students gain analytical, computational, and problem-solving skills transferable to computer science, engineering, mathematics, data analytics, and other fields requiring rigorous reasoning - preparing them for diverse university pathways and careers.

ENGINEERING AND COMPUTER SCIENCE— GREENWICH ACADEMY

The GA Upper School Engineering and Computer Science Department works to build on the foundation of creating, designing, and computing that students developed during their time in Lower and Middle Schools. The studies of engineering and computer science strengthen problem solving, designing with a purpose, building to specification, and algorithmic thinking, all while promoting both collaborative work and independent resourcefulness. We provide our students an understanding of how these tools can be used in the real world and believe that possessing the ability to design objects and software, and to write software prepares students for the problems and opportunities of the 21st century. We offer courses for those who are new to writing code and the process of physical computing so they can not only understand foundational engineering principles and computer science but also become better thinkers. We also offer coursework for those who would like to pursue advanced work through the AP curriculum and beyond.

The fall semester Introduction to Computer Science courses serves as the entry point to all the more advanced Computer Science courses offered at Greenwich Academy.

FALL SEMESTER COURSES

Introduction to Computer Science (f)

76601

Grade Level: 9th–12th

Prerequisite: None

This course is designed to build a student's competence in computer science fundamentals within the context of other courses. Students will progress through a series of units that will build skill and understanding of core programming concepts, including data types, conditional and loops, data structures, and functions.

Each project will connect a set of computer science concepts to other disciplines. Whether we are building code for the web, using code to help solve math problems, or using code to investigate the central dogma of biology, students will build a strong foundation in computer science and in problem solving. Assessments will be varied, including both projects and more traditional pen-and-paper work.

This entry level course will prepare students well with all of the coding, problem solving, and debugging skills needed for AP Computer Science A.

SPRING SEMESTER COURSES

Introduction to Computer Science (s)

76621

Grade Level: 9th–12th

Prerequisite: None

See course description under fall electives.

FULL YEAR COURSES

AP Computer Science Principles

76620

Grade Level: 9th–12th

Prerequisite: 9th graders must be in Accel Geometry or above

AP Computer Science Principles is designed for students with little or no programming experience and serves as an introduction to the field of computer science and programming. Students will learn the fundamentals of programming while strengthening their problem solving skills. They will learn to think like a computer scientist by applying logic and creativity to the design of programs for a variety of problems. They will learn to dismantle problems and approach them systematically on their own and in a collaborative environment—two essential skills. While this course is a springboard for the future study of computer science and engineering, its lessons will be applicable to a much broader set of fields.

This course focuses on a much more diverse set of issues than just coding, including the use of programs to analyze data, the internet, the impact of technology on society, and a more in-depth discussion of algorithms. These topics allow students to engage with technology in an entirely different way than they are used to!

AP Computer Science A

76600

Grade Level: 10th–12th

Prerequisite: B+ in GA's Introduction to Computer Science or AP Computer Science Principles or concurrent enrollment in BC Calculus.

GA's AP Computer Science course is for the student who likes to think about and tackle problems. The curriculum for this course is based on the syllabus developed by the College Board. Our focus is on problem solving and algorithm development using the AP Java Language Subset as our tool kit. You will study programming methodology, algorithms, data structures, procedural and data abstraction, and object orientation.

Students will leave the course with a solid understanding of computer science as a field of study, the skills to write programs in Java and significant experience with problem solving and debugging—all essential skills for the 21st century, no matter what you decide to study!

Honors Engineering and Design: Digital Fabrication Lab

66650

Grade Level: 11th–12th

Prerequisite: Departmental approval

*This course is offered jointly through the Engineering and Computer Science and Visual Arts Departments and will be listed under both Departments

This signature honors course is the gateway for anyone passionate about mastering digital fabrication, design, and electronics. Held in GA's E+D Lab, students explore their creative potential through core projects like laser-cut slot animals, 3D-modeled cars, and analog synthesizers. Grounded in experimentation and process documentation, this foundational course builds the technical expertise and confidence needed to bring ambitious engineering and design ideas to life.

Honors Engineering and Design: Woodshop

66651

Grade Level: 11th–12th

Prerequisite: Departmental approval

*This course is offered jointly through the Engineering & Computer Science and Visual Arts departments and will be listed under both departments.

Build life skills and create impressive projects in this honors-level course held in GA's Engineering and Design Lab. Designed for students who love to build, this course covers shop safety and technical mastery using hand and power tools like drills and routers. Master the fundamentals of shaping, joining, fastening, and professional finishing. You will develop your craftsmanship through a progressive series of projects, beginning with carved spoons and bowls and advancing to hand-shaped cutting boards, veneer art, and inlay picture frames, culminating in the construction of a small cabinet.

Honors Seminar: Engineering & Computer Science

76602

Grade Level: 11th–12th

Prerequisite: B+ in AP Computer Science A

This is an advanced topics course for those who love programming (or maybe just like it a lot), have completed AP Computer Science A and are interested in going further. In this course, students will build upon their Java knowledge to learn about data structures and algorithms. This course mirrors a second-semester college course and students will have the opportunity to apply their learning to traditional assessments and large projects.

Honors Seminar: Data Science

76603

Grade Level: 11th–12th

Prerequisite: Honors Seminar: Engineering & Computer Science or AP Computer Science A (with department approval)

This full-year course examines the fundamentals of data science and machine learning. Students will learn data science topics including, but not limited to, database creation and management, exploratory data analysis, data acquisition, machine learning algorithms, and data science ethics. The course will be primarily instructed in Python, to provide students with industry standard experience. This course is ideal for advanced students who are interested in expanding their computer science toolbox by exploring a new subtopic through the application of the Python language. Students will leave with a strong foundation in the data science lifecycle, from initial research to the implementation of their analysis.

GENERAL ELECTIVES

The courses listed below are developed from the traditional disciplines of Art, English, Classics, History, World Languages, Math, and Science. Although these courses do not satisfy any particular department's graduation requirements, they do count as full academic classes and may well be cross-listed, within a relevant department, on the following pages.

FALL SEMESTER COURSES

American Film: Tortured Love (f)

66560

Grade Level: 10th-12th

Prerequisite: B+ in a studio or performing arts class

Films can offer a vivid window into characters falling in love - sometimes with the “wrong” person. This course will explore the art, cultural context and emotional impact of some Hollywood studio films that move us. Films to explore include: *Casablanca*; *Double Indemnity*; *Sunset Boulevard*; *Rebel without a Cause*; *Vertigo*; *The Apartment*; *The Graduate*; *Pretty in Pink*; *Romeo and Juliet*; *The Royal Tenenbaums*; *Eternal Sunshine of the Spotless Mind*; *Blue Valentine*; *Past Lives*. Students will develop the vocabulary to analyze film as an art form. Through readings, screenings, and demonstrations, we will examine the craft, meaning, and resonance of films that document the human experience of falling in love. We will explore the roles of the producer, writer and director in developing the script. We will learn how cinematographers, production designers, and editors shape images and sounds. We will look into the varying methods that produce memorable performances that affect us. We will discuss the criticism and business practices that define the tension between the art and commerce of cinema. We will draft and produce some film scenes of our own by utilizing the equipment in the GA film department. This class can be taken in conjunction with the spring semester class, *Beyond Hollywood: Tough Choices* (s), for full year credit, or as a one-semester course in the fall.

Public Speaking and Effective Communication (f)

39050

Grade Level: 10th-12th

Prerequisite: None

Communication is one of the most sought-after skills by employers in the current job market. A person who can effectively communicate viewpoints, positions, and facts has the power to influence and win over others. In this class, students will master the basics of public speaking through practicing and studying well-known speeches from the past and present. Additionally, they will learn the foundations for spontaneous debate, presentation giving, and speech-writing, setting them up for success in all future formal and informal public speaking opportunities.

SPRING SEMESTER COURSES

Beyond Hollywood: Tough Choices (s)

66561

Grade Level: 10th-12th

Prerequisite: B+ in a studio or performing arts class

Films can offer a vivid window into characters making a choice - sometimes with “bad” results. This course will explore the art, cultural context and emotional impact of some films, made outside the gates of the Hollywood studios, that move us. Films to explore include: *Bicycle Thieves*; *Summer with Monika*; *On the Waterfront*; *400 Blows*; *Harold and Maude*; *Badlands*; *Sophie’s Choice*; *La Promesse*; *Where is the Friend’s House*; *Trois Couleurs: Rouge*; *Run Lola Run*; *In the Mood for Love*; *Good Will Hunting*; *Shiva Baby*. Students will develop the vocabulary to analyze film as an art form. Through readings, screenings, and demonstrations, we will examine the craft, meaning, and resonance of films that document the human experience of making a tough choice. We will explore the roles of the producer, writer and director in developing the script. We will learn how cinematographers, production designers, and editors shape images and sounds. We will look into the varying methods that produce memorable performances that affect us. We will discuss the criticism and business practices that define the tension between the art and commerce of cinema. We will draft and produce some film scenes of our own by utilizing the equipment in the GA film department. This class can be taken in conjunction with the fall semester class, *American Film: Tortured Love (f)*, for full year credit, or as a one-semester course in the spring.

Future Cities (s)

49430

Grade Level: 10th-12th

Prerequisite: None

Step into the dynamic and diverse Arab World, a region where ancient history meets cutting-edge innovation. This elective will introduce you to the Gulf’s rapid urban transformation, environmental challenges, and booming economies, preparing you to engage with a region vital to the global future. Through case studies of futuristic cities like Dubai, Riyadh, and Doha, you’ll explore how the Arab World is leading in sustainable architecture, renewable energy, and infrastructure development. Learn about opportunities in finance, urban planning, and environmental conservation, as well as the cultural and professional skills needed to work in this vibrant region. With an eye on collaboration, this course bridges cultural understanding with practical insights, empowering you to envision your role in shaping global connections. Discover the Arab World as a destination and a dynamic partner in building tomorrow’s world.

GLOBAL ONLINE ACADEMY

2026-2027 Student Course Catalog

Semester 1: August 26 – December 11, 2026

Semester 2: January 13 – April 30, 2027

The mission of Global Online Academy (GOA) is to reimagine learning to enable students to thrive in a globally networked society. GOA provides a positive, interactive, and intellectually rigorous environment for students to learn. We offer courses that connect students to topics they care about, and the opportunity to learn alongside a global network of peers as passionate and curious as they are.

We have identified the following six core competencies — the specific set of skills and habits of learning — that our students develop in practical, hands-on ways, no matter which GOA course they take:

1. Collaborate with people who don't share your location.
2. Communicate and empathize with people who have perspectives different from your own.
3. Curate and create content relevant to real-world issues.
4. Reflect on and take responsibility for your learning and that of others.
5. Organize your time and tasks to learn independently.
6. Leverage digital tools to support and show your learning.

To build these skills, GOA courses are:

Globally connected

Even though our courses are online, students get to know their teachers and classmates by using technology to build relationships. Our small classes have students from many different schools, led by expert teachers. Students log in multiple times a week to engage in discussions, collaborate on projects, and share ideas.

Challenging

GOA courses are designed to be as intellectually rigorous as any course at a home school. GOA courses are mostly asynchronous: students do not show up on certain days at certain times. Instead, teachers publish a calendar of activities, and within that framework, students work on their own schedules, gaining critical independent learning skills along the way. Students have a videoconference experience approximately every 10 days, more frequently in our intensive summer courses.

Relevant

We want students to pursue their passions. Our courses offer practical, hands-on experience in how these ideas can be applied to the world outside of school. Students have a voice and a choice in the work they do and the ideas they explore.

Students in grades 10-12 may enroll in a GOA course. These courses are semester electives that are offered as part of a student's regular schedule. Students should register for GOA courses through the described process at GA (see Ms. Blunden) or Brunswick (see Mr. Arthmire) and consider the following guidelines:

- GOA courses are elective offerings and are not intended to fulfill or replace core requirements.
- Students may not register for a GOA course that is determined (by the Head of Upper School) to conflict or overlap with a course currently offered at GA or Brunswick.
- The GOA course cannot be a seventh course for GA students, and must be a sixth course for BR students.
- GOA course grades are listed and reported on student transcripts.
- Students must request GOA courses during GA/BR registration with Ms. Blunden at GA or Mr. Arthmire at Brunswick.
- GOA adheres to strict drop/add policies and requires that students drop or add classes within the first two weeks of the GOA semester.

To see the full list of GOA offerings, please visit:
<https://globalonlineacademy.org/student-program/student-courses>

DEPARTMENT DESIGNATIONS

Department(s)	Course Title	Term(s)
Art, Media & Design	Architecture	Fall, Spring
Art, Media & Design	Arts Entrepreneurship	Spring
Art, Media & Design	Creative Nonfiction Writing	Fall
Art, Media & Design	Fiction Writing	Spring
Art, Media & Design	Graphic Design	Fall, Spring
Business, Economics, Finance	Business Problem Solving	Fall, Spring
Business, Economics, Finance	Capitalism: Past Present & Future	Spring
Business, Economics, Finance	Entrepreneurship in a Global Context	Fall, Spring
Business, Economics, Finance	Introduction to Blockchain & Cryptocurrency	Spring
Business, Economics, Finance	Introduction to Branding & Marketing	Fall, Spring
Business, Economics, Finance	Introduction to Economics	Fall, Spring
Business, Economics, Finance	Investing I	Fall, Spring
Business, Economics, Finance	Investing II	Fall, Spring
Business, Economics, Finance	Personal Finance	Fall, Spring
Computer Science & Engineering	Computer Science I: Computational Thinking	Fall, Spring
Computer Science & Engineering	Computer Science II: Analyzing Data with Python	Fall, Spring
Computer Science & Engineering	Computer Science II: Game Design and Development	Spring
Computer Science & Engineering	Cybersecurity	Fall, Spring
Computer Science & Engineering	Introduction to Artificial Intelligence	Fall, Spring
Computer Science & Engineering	Problem Solving with Engineering & Design	Fall, Spring
Global Studies	Applying Philosophy to Global Issue	Fall
Global Studies	Capitalism: Past, Present, Future	Spring
Global Studies	Climate Action & Sustainability	Fall
Global Studies	Discourse across Difference	Spring
Global Studies	Genocide & Human Rights	Fall
Global Studies	Global Health	Fall
Global Studies	International Relations	Fall, Spring
Health Sciences	Bioethics	Fall, Spring
Health Sciences	Biochemistry: Medicine, Drugs & Addiction	Spring
Health Sciences	Global Health	Fall
Health Sciences	Health & Fitness	Fall
Health Sciences	Medical Problem Solving I	Fall, Spring
Health Sciences	Medical Problem Solving II	Fall, Spring
Justice, Ethics & Human Rights	Introduction to Legal Thinking	Fall, Spring
Justice, Ethics & Human Rights	Perspectives on Gender & Culture	Spring
Justice, Ethics & Human Rights	Prisons & Criminal Justice Systems	Fall, Spring
Justice, Ethics & Human Rights	Race, Culture & Community	Fall
Math & Quantative Reasoning	Data Visualization	Fall
Math & Quantative Reasoning	Game Theory	Fall, Spring
Math & Quantative Reasoning	Number Theory	Fall
Psychology & Neuroscience	Abnormal Psychology	Fall, Spring
Psychology & Neuroscience	Developmental Psychology	Fall, Spring
Psychology & Neuroscience	Introduction to Psychology	Fall, Spring
Psychology & Neuroscience	Neuropsychology	Fall, Spring
Psychology & Neuroscience	Positive Psychology	Fall
Psychology & Neuroscience	Social Psychology	Fall, Spring

ALPHABETICAL LIST OF COURSES

ABNORMAL PSYCHOLOGY: Discover the Complexities of the Human Mind: Ever wondered why society views certain behaviors “abnormal”? As you learn about Western abnormal psychology, you’ll explore the complex forces behind human behavior by studying conditions like anxiety, depression, eating disorders, and schizophrenia. Through engaging readings, videos, thought-provoking discussions, and a student-led project centered on your local community, you’ll dive into the symptoms, diagnoses, and responses to these disorders. You’ll also examine how mental health is influenced by cultural differences and global perspectives, gaining insight into the stigma surrounding psychological disorders.

APPLYING PHILOSOPHY TO GLOBAL ISSUES: Think Like a Philosopher: What would Socrates, Confucius, and Kant have to say about today’s global issues? In this applied philosophy course, you’ll uncover how great thinkers from many traditions and centuries tackled social and political challenges across the world—both successfully and unsuccessfully. You will challenge your perspective through an interdisciplinary approach, pulling in concepts, models, and methods related to history, journalism, literary criticism, and media studies.

ARCHITECTURE: Design the Future, Shape the World: This is your chance to think like an architect, transforming abstract concepts into tangible spaces with other students from around the world. In this hands-on course, you’ll master the fundamentals of architectural design—from exploring building materials and analyzing structures to creating 3D models and developing spatial awareness. Discover how architecture drives the evolution of contemporary styles and shapes our culture as you design innovative architectural solutions for real-world challenges. Your journey will end with a final project that showcases your unique vision and design process.

ARTS ENTREPRENEURSHIP: Create Your Future in the Arts: Ready to turn your creativity and passion for the arts into a thriving career? This course will help you develop real-world strategies for building a personal brand, networking, and launching a career in fields like design, music, and filmmaking. You’ll learn directly from industry insiders, analyze successful (and not-so-successful) artistic ventures, and gain practical skills to kickstart your own arts business.

BIOCHEMISTRY: MEDICINE, DRUGS & ADDICTION: Unlock Medicine and Drug Design: Discover the fascinating science behind medicine and drug interactions, exploring how drugs impact the human body at the molecular level. You’ll dive into the chemistry and biology behind drug design, effectiveness, and safety; learn how drugs interact with

molecules, such as receptors and enzymes, to create therapeutic effects; and tackle complex topics like tolerance, addiction, and withdrawal. You’ll also investigate the processes of drug testing, legalization, and regulation, gaining a well-rounded view of the pharmaceutical world.

BIOETHICS: Navigate the Ethical Questions of Medicine and Science: How do we know what’s right and wrong in medicine, public health, and life sciences? In this course, you’ll explore some of today’s most pressing ethical dilemmas that significantly impact the medical field. Through engaging debates on topics like the “right to die,” vaccination policies, organ transplants, genetic technology, and animal research, you’ll learn how to discuss differing views with respect. Innovative research projects and interactive discussions will help you develop critical-reasoning skills and think deeply about how we balance individual rights, societal needs, and scientific advancement. The course ends with a deep dive into a bioethical issue of your choosing, helping you understand the crucial role bioethics plays in shaping the future.

BUSINESS PROBLEM SOLVING: Tackle Real-World Challenges in Business: How does climate change impact supply chains? Are tariffs a threat or an opportunity? Is your company’s cybersecurity strong enough? In today’s fast-paced business landscape, problem-solving is essential. In this course, you’ll analyze relevant, real world case studies from global corporations and innovative startups, and you’ll collaborate with peers to develop creative solutions to challenges in operations, marketing, finance, sustainability, and more.

CAPITALISM: PAST, PRESENT & FUTURE: Understand the Economic System That Shapes Our World: Is capitalism the source of society’s problems or one of the grandest achievements in human history? In this thought-provoking course, you’ll examine perspectives from both sides, exploring capitalism’s components and impact on social, political, and economic systems worldwide. Through engaging case studies and historical examples, you’ll dive into how capitalism has evolved and influenced societies.

CLIMATE CHANGE & GLOBAL INEQUALITY: Build a Just and Sustainable Future: Explore the critical issues of climate change and its wide-reaching impacts on communities and ecosystems. In this course, you’ll examine essential topics like climate justice, agriculture, wildfires, renewable energy, sea level rise, and invasive species—all through the lenses of equity and sustainability. Engage in hands-on projects to understand the causes and effects of

climate change, dive into public policy and equity debates, and analyze how these issues shape the experiences of diverse populations around the world. Your journey will finish with a student-led project, creating an action plan for change in your community.

COMPUTER SCIENCE I: COMPUTATIONAL THINKING:

This course (or its equivalent) is a prerequisite to all Computer Science II classes at GOA. Problem-Solve in a Digital World: Unlock the power of solving problems, designing systems, and understanding human behavior in this beginner-friendly course. You'll learn to think like a computer scientist, developing skills that go beyond programming and apply to across fields. Starting with the basics of computer science, you'll learn how to read code and pseudocode as well as develop strategies for debugging programs—all without prior programming experience.

COMPUTER SCIENCE II: ANALYZING DATA WITH PYTHON:

Turn Data Into Insight: Gain hands-on experience with the Python programming language as you learn to read, analyze, and visualize real-world data. Using Python's powerful data structures and clear syntax, you'll work with large, messy datasets—just like those in scientific computing. Discover how Python makes data analysis accessible and see firsthand why it's one of the most popular tools in fields like biology, engineering, and statistics.

COMPUTER SCIENCE II: GAME DESIGN & DEVELOPMENT:

Create Your Own Games: Do you love to play video games? Ever wanted to make your own? Explore what makes a game exciting and how game developers create games from scratch. In this immersive and hands-on course, you'll start creating your own games from the ground up by tackling design challenges and refining the game's theme and structure. Gain experience with Unity, a professional game development tool, as you build games using graphics, sounds, and effects and control events and behaviors with the C# programming language.

CREATIVE NONFICTION WRITING: Craft True Engaging Stories: Are you a storyteller at heart? In this course, you'll learn how to transform real experiences into captivating narratives, all while strengthening core writing skills. You'll explore diverse forms of creative nonfiction—personal narratives, opinion pieces, profiles, and more. Along the way, you'll create a library of inspiring texts, consider publishing opportunities, and establish sustainable writing habits. Connect with a global community through video chats and online discussions, where you'll participate in a supportive workshop model, receive valuable feedback, and grow as a writer in today's exciting nonfiction genre.

CYBERSECURITY: Safeguard the Digital World: Cybercrime is on the rise, and this is your chance to be part of the solution. Go beyond the basics of cybersecurity, as you explore the inner workings of computer components, network design, DNS, TCP/IP, and how cybercriminals exploit both technology and human behavior to breach systems. Examine ciphers, encryption, data security, and malware anatomy, while also considering the complex balance between privacy and tracking. You'll emerge with the expertise to defend both personal and organizational data, equipped with knowledge in data recovery, enterprise security, and the latest trends in cybersecurity.

DATA VISUALIZATION: Turn Numbers Into Narratives: In a world flooded with data, visualizations cut through the noise to reveal meaning. This course teaches you to collect, organize, interpret, and effectively communicate massive amounts of information. You'll master data wrangling in spreadsheets, harness the power of charts, and learn to spot both effective and misleading visuals. Using principles from information graphics, visual art, graphic design, and cognitive science, you'll create your own compelling visualizations using tools like Datawrapper, Tableau Public, and Python.

DEVELOPMENTAL PSYCHOLOGY: Understand the Journey of Human Growth: Why do we think, learn, and behave the way we do? In just a few years, humans transform from infants to individuals capable of complex thought, communication, and moral reasoning. Through engaging readings, observations, case studies, and hands-on activities, this course will introduce you to the fascinating study of human development, focusing on significant physical, emotional, cognitive, and social changes from birth through adolescence. You'll explore key questions like heredity vs. environment, stability vs. change, and continuity vs. discrete stages of development

DISCOURSE ACROSS DIFFERENCE: Navigate Today's Complex Issues: How do you engage in conversations when you don't agree? In today's interconnected world, complex social, political, and ethical issues demand thoughtful dialogue. This course will equip you with the skills to engage thoughtfully and effectively through structured conversations, debates, rhetorical analysis, and guided reflection. You'll learn to navigate challenging discussions and foster understanding across differences on pressing topics like technology's impact on privacy, environmental sustainability, and social justice reform.

ENTREPRENEURSHIP IN A GLOBAL CONTEXT:

Turn Your Ideas Into Global Impact: How does an entrepreneur think? What skills are essential to stay competitive and relevant in today's fast-paced market? This course will push you to step beyond the classroom and into real-world environments to

understand how global markets work. Collaborating with peers worldwide, you'll dive into essential topics like customer development, value propositions, brand strategy, and funding sources. Using the business model canvas, you'll build a viable framework and ultimately develop, refine, and present your own online startup pitch.

FICTION WRITING: Find Your Voice in Fiction: Love telling stories? In this course, you'll dive into the art of fiction writing, focusing on short stories, character development, and intricate plot-building. You will gain hands-on experience with the workshop model, learning how to provide and receive constructive peer feedback and discuss each other's work in a supportive online setting. You'll encounter masterful works by authors from around the world. Through engaging in discussions and exchanging feedback, you will develop your unique writing style and sharpen your skills as both a writer and a critic.

GAME THEORY: Solve Real-World Problems Like a Mathematician: What can mathematical models teach us about decision-making? This course will show you how dilemmas and conflicts—ranging from international diplomacy to sports scheduling—can be approached as mathematical games. You'll analyze real-world events in fields like political science, anthropology, philosophy, economics, and even popular culture through two-person zero-sum games, two-person non-zero-sum games, sequential games, multiplayer games, linear optimization, and voting theory.

GENOCIDE & HUMAN RIGHTS: Learn From the Past to Protect the Future: Why does genocide happen, and how can societies prevent it? In this course, you'll explore some of the most significant tragedies of the 20th century, including the Holocaust and the Armenian, Cambodian, and Rwandan genocides. You'll analyze the role of the international community in responding to and preventing further genocide, with a focus on the Nuremberg Tribunals, as well as investigate ongoing human rights crises around the globe. Through engaging discussions, brief papers, and documentaries, you will gain a deeper understanding of global issues related to justice and humanity.

GLOBAL HEALTH: Help Solve the World's Health Challenges: What makes people sick? Why do health disparities persist both locally and globally? In this course, you'll explore the social and political factors that influence health and the biggest challenges in global health today. Using an interdisciplinary approach, you'll engage in analytical reading and writing, research, and collaborative projects. You'll examine case studies, present your findings, and gain a deeper understanding of the biology of diseases, the social determinants of health, and the roles of public and private organizations. Additionally, you'll learn

how global health statistics shape our understanding of health inequities and critically analyze how the distribution of healthcare resources and access impact health equity worldwide.

GRAPHIC DESIGN: Unleash Your Visual Voice: What makes a message persuasive and compelling? How do audiences interpret and make sense of information? This course dives into the powerful relationship between information and influence from a graphic design perspective. You'll gain the skills to create impactful visual content, exploring design principles, infographics, social media, digital search strategies, social activism, and multimedia storytelling. Through a case study and design-based approach, you'll work on individual and collaborative projects, content curation, writing, peer critiques, and online presentations.

HEALTH & FITNESS: Chart Your Path to Lifelong Fitness: What factors influence our bodies as we strive to maintain an active and healthy lifestyle? In this course, you'll learn about fitness components, exercise principles, training methods, movement phases, and athletic performance. You'll set personal fitness goals, track your progress, and engage in weekly exercises to target various areas of fitness. Through reflection and feedback, you'll understand how your efforts lead to improvement. The course ends with a student-led project where you will choose and explore topics that matter to you, such as nutrition, mental health in sports, exercise science, biomechanics, careers in sport, or community-based sports initiatives.

INTERNATIONAL RELATIONS: Understand Global Conflict and Cooperation: Are China and the U.S. on a collision course for war? Can the Israelis and Palestinians reach a peaceful solution to a long-term conflict? Will North Korea launch a nuclear weapon? Can India and Pakistan find a way to share the subcontinent in peace? In this course, you'll go beyond soundbites and daily news headlines to examine the context, causes, and consequences of today's most pressing global issues. Working alongside classmates from around the world, you'll learn strategies to prevent, mediate, and resolve conflicts, equipping you with the knowledge and skills to engage with global challenges thoughtfully and effectively.

INTRODUCTION TO ARTIFICIAL INTELLIGENCE: Explore AI's Impact on Our World: Artificial intelligence is everywhere, powering your favorite apps and influencing daily life in ways you may not see. How much do you really know about how generative AI works and how it's impacting our world? In this course, you'll dive into the history of AI research, from the early dreams of artificial general intelligence to the development of AI technologies like neural networks, machine learning, deep learning, generative AI, natural language processing, and facial

recognition. You'll explore how AI systems are trained, understand the biases that arise from datasets, and learn about responsible AI principles like fairness, transparency, human-centeredness, and data privacy.

INTRODUCTION TO BLOCKCHAIN & CRYPTOCURRENCY: Discover the Tech Shaping Tomorrow: The skyrocketing value of Bitcoin and the rise of meme tokens have captured the world's attention, but there's more to cryptocurrency than market capitalization and dog-themed coins. This beginner-friendly course dives into the fascinating world of blockchain and cryptocurrency, exploring how we got here and where the technology might be heading. You'll learn how crypto markets work, examine real-world applications, and consider the potential future of crypto through the perspectives of creators, consumers, and governments. Plus, you'll explore blockchain's far-reaching potential to revolutionize government, business, the arts, and more.

INTRODUCTION TO BRANDING & MARKETING: Build Brands That Stand Out: Ever wonder what gives your favorite brands their unique edge? In today's digitized world, we're constantly bombarded by ads and content, making it harder for brands to capture and keep our attention. This course reveals what it takes to build an effective brand that authentically connects with consumers and leaves a lasting impact. You'll explore the core elements of branding—from visual identity and advertising strategy to content marketing and the nuances of the customer journey. You'll also explore how addressing ethical, social, and environmental issues can influence a brand's success.

INTRODUCTION TO ECONOMICS: Explore the Forces That Shape Economies: How do individuals, businesses, and governments make decisions in a world of limited resources? In this course, you'll explore how consumers and producers interact to form markets, why governments sometimes step in, and an introduction to how economists measure and interpret national economic activity. Through discussions, debates, problem-solving, and reflective writing, you'll build a strong foundation in economic theory and apply it to real-world issues.

INTRODUCTION TO LEGAL THINKING: Think Like a Lawyer: Step into the shoes of a lawyer in this engaging, case-based course that offers much more than just an introduction. You'll dive into real legal cases, sharpening your research, persuasive writing, and public speaking skills as you navigate the complex challenges lawyers face every day. From crafting legal briefs and advising fictional clients to delivering compelling trial statements, you'll immerse yourself in the rules and practices that define the profession. Along the way, you'll examine big ideas like justice,

fairness, jurisprudence, and ethics, uncovering insights that will deepen your understanding of the legal world.

INTRODUCTION TO PSYCHOLOGY: Understand the Human Mind: What does it mean to think like a psychologist? In this course, you'll explore three main perspectives—behavioral, cognitive, and sociocultural—to develop a well-rounded understanding of the human mind and behavior. You'll also examine how psychologists put what they know into practice through research methods, ethics, and real-world applications. Engage in hands-on projects, like analyzing adolescent psychology and creating a case study on depression. The course wraps up with a dive into positive psychology, giving you tools to understand how to live mentally healthy and fulfilling lives.

INVESTING I: Make Smart Financial Decisions: Step into the shoes of an investor, using real-world tools, theories, and decision-making practices to make smart financial choices. You'll explore key finance concepts, like valuation and risk management, and apply them to portfolio management, venture capital, and social investing. You'll learn how to manage and grow an investment portfolio by simulating investments in stocks, bonds, and options. Take on the role of a venture capital investor, analyzing startups and forecasting their potential before they go public, as well as exploring social investing to see how finance can be a powerful force for positive change.

INVESTING II: Master Diverse Investment Strategies: Deepen your understanding of smart investment practices and explore finance concepts across four key contexts: fixed-income investments, foreign exchange and cryptocurrency, commodities, and real estate. After an introduction to behavioral finance theories, you will simulate scenarios to strategically expand your equity portfolio. Discover how to hedge risk with bonds, navigate the volatility of forex and crypto markets, grasp the economic impact of commodity prices, and explore strategic approaches to real estate investing.

MEDICAL PROBLEM SOLVING I: *This course is a prerequisite to Medical Problem Solving II at GOA.*
Think Like a Doctor: This course puts you in the role of a medical detective as you investigate mysterious cases, identifying symptoms, making diagnoses, and exploring treatments—just like in medical school. You'll work both individually and collaboratively, sharpening your critical-thinking skills as you analyze data, diagnose illnesses, and develop treatment plans for patients. Dive into anatomy, physiology, disease process, demographics of disease, and treatment protocols, while also debating current health issues and evaluating the factors that influence patient care.

MEDICAL PROBLEM SOLVING II: Explore Global Medicine and Social Justice: Building on the problem-based approach of Medical Problem Solving I, this course will take you deeper into the world of global medicine, medical ethics, and social justice. You'll collaboratively analyze medical cases from around the world and your own community, uncovering the challenges patients face due to limited healthcare access, systemic discrimination, and the unequal distribution of medical resources. Tackle real-world medical dilemmas and engage in a culminating project, where you'll research a local health issue, go beyond the classroom to consult local sources, and propose actionable solutions for positive change.

NEUROPSYCHOLOGY: Understand the Brain-Behavior Connection: Have you ever wondered how the anatomy of the brain shapes behavior? Discover the fascinating connections as you learn about neural function as well as cognitive and behavioral disorders. Explore how neural communication works and examine 15 how environmental factors, like smartphone use, impact the nervous system and human behavior. You'll have the chance to choose research subjects that interest you and dive further into topics like Alzheimer's disease, addiction, neuroplasticity, and neurodegenerative diseases as you share your findings with your peers in creative ways.

NUMBER THEORY: Discover the Math Running Digital Security: Once considered the most abstract and least practical area of mathematics, number theory is now essential to our everyday digital world: every second, millions of secure internet transmissions rely on number theory for encryption. In this course, you'll explore the world of mathematical reasoning and proof, learning the tools needed to understand the RSA algorithm—the backbone of global internet security. You'll also invent your own encryption schemes and encounter games that use number theory. Alongside practical applications, you'll get a taste of the rich history of this subject, from legendary mathematicians to the proof of Fermat's Last Theorem (a famous problem solved just 20 years ago after 350 years of effort).

PERSONAL FINANCE: Manage Money to Make an Impact: Ready to plan for your financial future? In this course, you'll explore financial responsibility and social consciousness, diving into personal finance topics like budgeting, credit scores, career and earning potential, insurance, real estate, investments, retirement savings, charitable giving, and taxes. Through experts with diverse perspectives and simulating real-life financial scenarios, you'll learn to weigh the costs and benefits of your decisions and build confidence in managing your money.

PERSPECTIVES ON GENDER & CULTURE:

Explore Identity Across Cultures and Time: How does gender shape the world around us? This dynamic course uses the concept of gender to explore a wide range of current topics, from feminism and LGBTQ+ studies to popular culture and politics. You'll investigate how gender intersects with other social identifiers like class, race, sexual orientation, culture, and ethnicity. Through engaging readings, thoughtful writing, and lively discussions, you'll analyze gender issues and reflect on how they have shaped both your experiences and those of your global peers.

POSITIVE PSYCHOLOGY: Unlock the Secrets to a Meaningful Life: What does it take to live a happy, meaningful, and fulfilling life? While traditional psychology often focuses on diagnosing human suffering, positive psychology flips the script and explores what truly makes life worth living—love, creativity, humor, mindfulness, and more. In this course, you'll dive into fascinating research about the ingredients for happiness and the science behind fulfilling relationships, creativity, mindfulness, and even the brain's response to art, music, and physical activity. You'll learn from experts, including Martin Seligman's well-being theory, Mihaly Csikszentmihalyi's concept of flow, and Angela Lee Duckworth's research on grit. But it doesn't stop at theory—you'll put your knowledge into action by learning how to conduct ethical research and experiments with subjects like yourself, your peers, and your family.

PRISONS & CRIMINAL JUSTICE SYSTEMS:

Balance Rights and Power: What determines who goes to prison and for how long, and how do legal systems shape justice—or fail to? In this course, you will gain a practical understanding of legal systems while confronting mass incarceration as a pressing legal, ethical, and societal challenge. You will also explore the various stages of the U.S. criminal justice system—arrest, prosecution, adjudication, sentencing, and imprisonment—and dive into key topics like policing practices, prosecutor reform, sentencing guidelines, and the role of AI in justice.

PROBLEM SOLVING WITH ENGINEERING &

DESIGN: Think Like an Engineer: Dive into the exciting intersection of science, technology, engineering, and mathematics by tackling meaningful, real-world challenges. In this project-based course, you'll develop essential engineering skills like design principles, modeling, and presentation techniques while leveraging a variety of computer hardware and software tools. Collaborating in teams, you'll design prototypes and explore practical applications of science and math to address issues in your home, community, and beyond!

RACE, CULTURE & COMMUNITY: Explore the Dynamics of Social Construct: What is race? Is it something we're born with, or is it an idea created by society? Is it an identity we perform? A privilege for some? And how do the ways people understand race vary around the world? In this course, you'll dive into these essential questions, examining race as a social construct that has a profound impact on societies and cultures. Through thought-provoking readings, films, and guest speakers from fields like history, sociology, anthropology, and literature, you'll research, reflect on, and discuss the intricate dynamics of race and society across different times and places.

SOCIAL PSYCHOLOGY: Decode Human Influence: Are your thoughts, feelings, and actions truly your own, or are they shaped by the people around you? Social psychology explores how the real, imagined, or implied presence of others influences what we think, feel, and do. From understanding why we obey stop signs at intersections when no one is around or why we buy certain products to exploring dramatic phenomena like mass discrimination or extreme group behavior, you will examine the principles that shape human behavior in this course. You'll explore, investigate, and apply key concepts in social psychology, culminating in a public exhibition of your own self-designed research project on a topic that interests you.

To see the full list of GOA offerings, please visit:
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