

NEWSLETTER

10 JANUARY 2025

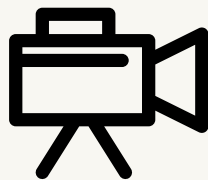
HAPPY NEW YEAR!

We hope that you and your young person had a restful, enjoyable break over the holidays and are feeling refreshed and ready for the term ahead. We know that 2025 is going to be a brilliant year at SuMS, and we wanted to share with you some reasons why 2025 is a remarkable year, mathematically-speaking! Many thanks to Dr Brierley for sharing this!

FUTURE PATHWAYS

Thank you to those parents and carers who were able to join us on Wednesday afternoon via Teams; we really appreciate your questions and feedback, both during and after the session.

For those of you who weren't able to dial in, we are happy to share the slides and a recording of the session. You can find them here by clicking on the images below. Should you have any questions, please feel free to drop an email to Mrs Shillabeer and/or Mr George.



This Saturday (11 January) we are running our aptitude test as part of the admissions process for our September 2025 cohort. Can you believe it is a whole year since your young person was coming along to the University of Surrey to sit their test?!

We are very impressed by how many of our wonderful Year 12 students volunteered to support this key event in the life of our school. We have randomly selected 11 students to support the test and thank them for their time and support. For those who weren't selected on this occasion, please reassure them that there will be plenty of other opportunities across the coming months to support our brand new offer holders!

- It's a square (45^2), the sum of two squares ($27^2 + 36^2$), the product of two squares ($9^2 \times 5^2$), and the sum of three squares ($40^2 + 20^2 + 5^2$).
- It's the sum of the cubes of the first nine positive integers ($1^3 + 2^3 + 3^3 + 4^3 + 5^3 + 6^3 + 7^3 + 8^3 + 9^3$).
- Equivalently, it's the square of the sum of those integers ($(1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9)^2$).
- It's the second in a trio of square numbers in arithmetic progression (81, 2025, 3969).
- It's one of only three four-digit numbers whose halves can be split, summed, and squared to produce the original number: $(20 + 25)^2 = 2025$.
- It's the smallest square starting with 20 and the smallest number with exactly 15 odd factors (1, 3, 5, 9, 15, 25, 27, 45, 75, 81, 135, 225, 405, 675, 2025).
- It's the sum of the entries in a 9×9 multiplication table.
- July 24, 7/24/25, will be a "Pythagorean day," because $7^2 + 24^2 = 25^2$.

ADMISSIONS

IMPORTANT REMINDERS

- DofE training day (SILVER & GOLD) - 29 Jan
- INSET day - 29 January
- DofE Expedition - 2nd instalment due - 31 Jan
- INSET day - 3 February
- Managing Needs event - 6 February
- Half-term break - 17-21 February
- Progress Check 2 - 24-27 February
- DofE Expedition - 3rd instalment due - 28 Feb