



MATHS  
SCHOOL

 Mill Hill

The UK's first  
specialist  
maths school  
for ages 11-18

# Our mission is to identify, nurture and develop world-class mathematical potential.

Located within the stunning Mill Hill School campus, 1729 Maths School will provide a unique education for students, irrespective of family income.



Many schools achieve excellent exam results in maths, guiding students towards strong GCSEs and A levels, and entry to university. At that point, students may begin to see themselves as mathematicians.

At 1729 Maths School, we start much earlier. From age 11, our students are encouraged to think, question and create like mathematicians. Maths here is not just an exam subject, it is a living landscape of ideas, patterns and connections that we invite students to explore far beyond the limits of the standard curriculum.

From the very beginning, our students are immersed in mathematics. They learn from outstanding teachers, take part in maths circles and competitions, and work alongside mathematicians from the country's leading universities. Exams are covered thoroughly, but always within a richer, more-connected programme that cultivates deep mathematical understanding and intuition.

Specialist maths schools around the world show how transformative this approach can be. Students gain access to ideas and ways of thinking that their peers encounter only years later. Within a close-knit community of curious and ambitious peers, they develop the precision, creativity and perseverance of mathematicians, preparing them not just for exams, but to become the problem solvers and innovators of the future.

## A Welcome from the Founding Head, Nick Hamshaw



“ I am thrilled to be the Founding Head of 1729 Maths School, a school unlike any other, purpose-built for children with exceptional mathematical potential. We are building a place where extraordinary mathematical minds can flourish and where curiosity lies at the heart of everything we do. Children who thrive at 1729 will be those with an insatiable appetite for new ideas, a natural ability to think in new and different ways, and a fascination with challenging, unsolved problems. They will thrive when working independently, and will grow when communicating and collaborating with like-minded peers. ”

*Nick brings exceptional experience as a mathematician, teacher, and school leader. Since graduating with a Master of Mathematics degree from the University of Oxford, Nick has taught maths for over 25 years. With over a decade in senior leadership, he has served as Academic Deputy Head at St Albans High School for Girls and Senior Deputy Head at the Haberdashers' Boys' School. Earlier in his career, he led maths departments at both Oundle School and Haberdashers' Boys', working with the brightest pupils and fostering a deep culture of problem-solving and intellectual curiosity.*



# How 1729 Maths School works

1

## A unique maths curriculum and tailored teaching

Our students will enjoy an exceptional depth of mathematical learning, with 10 hours of maths per week, at least twice the time as in typical independent schools. We will ignite a passion for maths through a world-class curriculum, shaped around each student's talents and interests. Students will be inspired by enrichment opportunities, ranging from maths circles and problem-solving clubs, to maths competitions and thought-provoking lectures.

2

## A school within a school

1729 Maths School will have its own dedicated buildings on the Mill Hill School grounds, which will be the students' home base. From Year 7, students will be taught maths together in 1729 groups, guided by our expert teachers. From Year 9, they also will be taught science together in 1729 groups, with lessons led by Mill Hill's outstanding teachers.

1729 Maths School will have day students and weekly and full boarders. All mandatory maths teaching will take place Monday to Friday, ensuring that students remain free to pursue other commitments at the weekend. Mill Hill provides a rich, weekend programme, including sports and other enrichment activities. 1729 boarders and non-boarders are warmly encouraged and supported to get involved, but the weekend provision is not mandatory.

3

## A community of like-minded individuals

At 1729 Maths School, students will be able to develop their mathematical talent alongside like-minded peers, while remaining part of the wider Mill Hill School community. Students will enjoy access to the full range of co-curricular activities at both Belmont and Mill Hill, as well as bespoke activities for 1729 students.

Over 400 clubs and activities were offered last year, with particular strengths in music (for which additional Mill Hill scholarships are available), as well as chess, computing and robotics. Every student will be able to thrive and excel outside the classroom, while gaining the skills that universities and employers hold in high regard.

# Meritocracy at the heart of our ethos

We are committed to finding and supporting the most promising mathematicians, irrespective of family income. To this end, 1729 Maths School will recruit on a "needs-blind" basis, making available up to £2.4mn in bursary funding each year for fully-funded and partially-funded places. Bursaries will be awarded to students following an assessment of the needs of a student and their family. Once a bursary has been awarded, the funding is committed for every year that the student remains at 1729.

As well as bursaries, a small number of Ramanujan Scholarships will also be awarded to recognise the most exceptional candidates upon entry to 1729 Maths School. Each scholarship will award a 25% tuition fee reduction, which will be committed for every year that the student remains at 1729.



# Who will thrive at 1729 Maths School?

Our mission is to nurture and develop world-class mathematical talent. We welcome applications from students who are:

1

## Exceptional mathematicians in the making

Those who consistently stand out in maths, whose teacher says they are among the very best students they have ever taught.

2

## Eager for challenge

Those who relish tough problems, who do not give up when the answer isn't obvious and who enjoy finding new ways to tackle a question.

3

## Collaborators

Those who are excited to work with and learn from other mathematicians, who will respect each other through their time at the school

4

## Deeply inquisitive

Those who spot maths everywhere: counting the spirals in a sunflower, analysing timetables and maps to work out the best routes, or wondering why bees build hexagonal honeycombs.

If you recognise this level of mathematical talent and promise in your child or a child you teach, we strongly encourage you to consider an application.



## Our partners

1729 Maths School has been initiated and funded by Alex and Elena Gerko, and is being delivered through a unique partnership between Mill Hill Education Group and Purposeful Ventures, an education charity.

Alex is the Founder and CEO of the leading algorithmic trading firm, XTX Markets. Alex and Elena are among the country's largest philanthropists, having committed over £375mn to charities globally. They share a passion for education and have committed over £180mn to a range of maths and science initiatives, including: Axiom Maths; King's College London Maths School; the Martingale Foundation; the UK Maths Trust and many more.

Alex and Elena have been instrumental in shaping the vision to create this world-leading maths school. They are donating £30mn to establish the school over the next 10 years, including setup costs, running costs and bursaries and scholarships and are committed to the school's long-term sustainability.



Mill Hill  
EDUCATION GROUP

**Mill Hill Education Group** is a collection of independent schools, including Mill Hill School, which is one of the most prestigious co-educational independent schools in the UK. Under its new headteacher, David Benson, Mill Hill is on a continuing upward trajectory. GCSE grade 9s have doubled in recent years and a third of last year's A levels were graded A\*. The teaching quality across all subjects is world-class. If your child is aiming for a top grade, they will get it here.

Since Mill Hill School's founding in 1807, its focus has been to instil values and inspire minds. All of the schools in the group share an educational philosophy that aims to develop thoughtful and responsible students who have a global outlook.



**Purposeful Ventures** is a charity that partners with schools, charities and philanthropists to improve the education and wellbeing of all young people. As part of its mission, it supports students to engage with and excel in advanced mathematics.

Purposeful Ventures has deep expertise in maths education. It currently leads the Maths Excellence Fund and the Maths Horizons Project, and incubates the Martingale Foundation, a university scholarship programme for mathematicians. It also helped to deliver the 2024 International Mathematical Olympiad, held in the UK.

# Admissions key dates

We are accepting applications from students currently in Year 6 to join 1729 Maths School in Year 7 and from students currently in Year 8 to join the school in Year 9.

**Ongoing:** Register your interest

**1 September 2025:** Applications open

**31 October 2025:** Application close

**November 2025 to early February 2026:** Written and oral assessment days

**February 2026:** Offers and bursary awards made

**September 2026:** Our first Year 7 and Year 9 cohorts begin their studies

*Please note that the initial application assessments will be completed online. For the in-person written and oral assessment days, travel grants will be available to ensure that all invited students and their parents can attend.*

## Find out more



Scan the QR code or  
visit [1729mathsschool.org.uk](https://1729mathsschool.org.uk)  
to learn more and register your interest