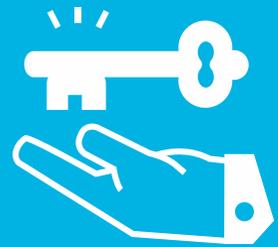


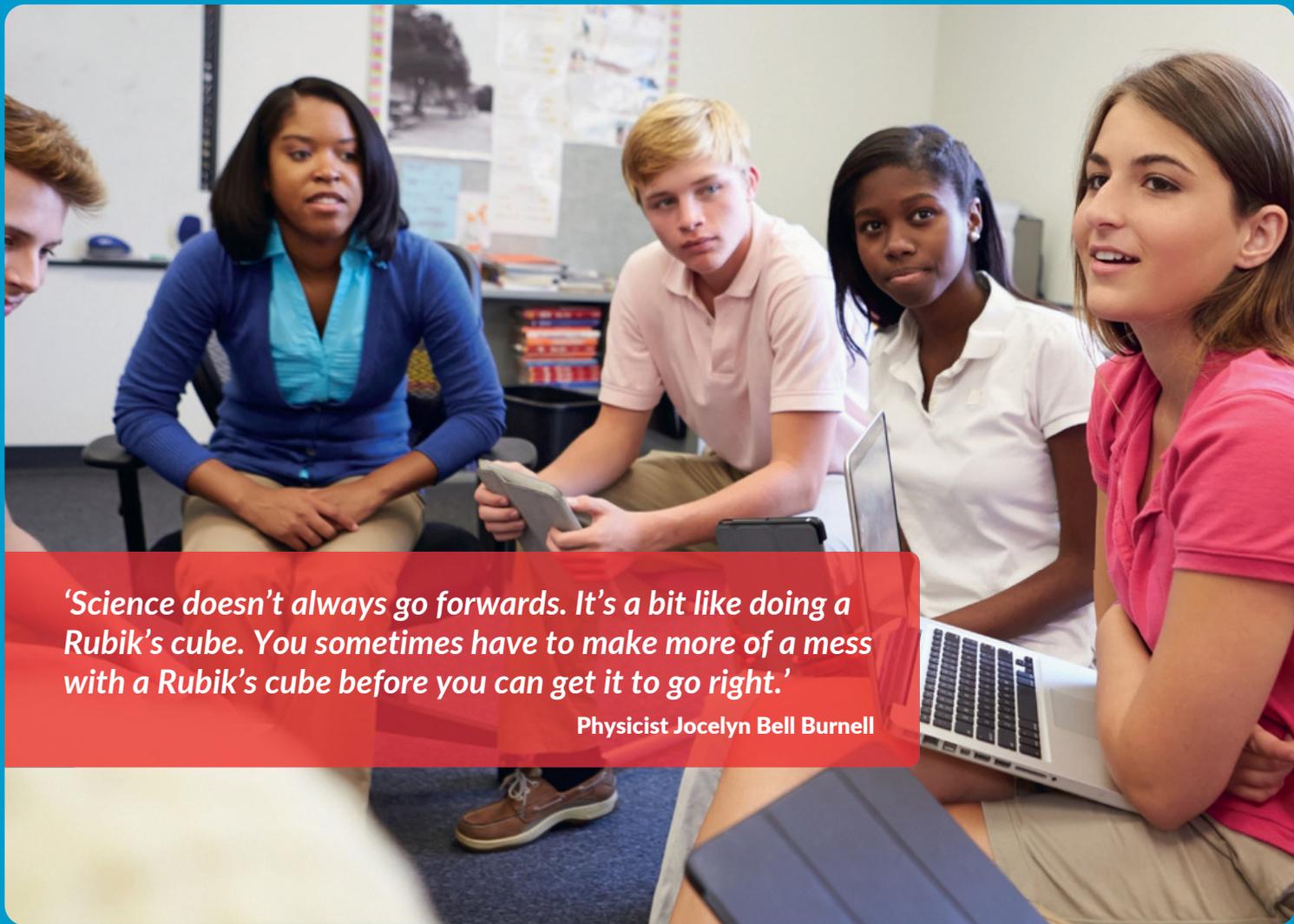


**SURREY**  
MATHS SCHOOL

**A new specialist Maths  
School for 16-19 year olds**



**SuMS Information Pack**  
*for prospective staff*



*'Science doesn't always go forwards. It's a bit like doing a Rubik's cube. You sometimes have to make more of a mess with a Rubik's cube before you can get it to go right.'*

Physicist Jocelyn Bell Burnell

# Welcome from the Head Teachers



## Sahar Shillabeer

We are thrilled that you would like to join us on this wonderful journey at Surrey Maths School. The Maths Schools project is an inspiring venture, committed to widening participation and access to mathematical sciences for all students. Apply to work at SuMS for an excellent opportunity for someone who is excited to be a part of the creation and development of this new hub of mathematical excellence in the South East region; Guildford to Portsmouth to Southampton to Reading. If you are interested in working with wonderful colleagues and supporting the best young mathematicians to thrive, we would love to hear from you.



## Nora Kettleborough

We are so excited that you are interested in working with us here at Surrey Maths School. SuMS will be bringing the dynamic and inspiring ethos of a maths school to the brilliant young minds of Surrey and its surrounds. Apply to work with us for a unique opportunity to be involved in diversifying the teaching of the mathematical sciences in our fantastic purpose-built building, in partnership with the University of Surrey. Come to work with us and be part of the team whose legacy will shape the future of SuMS as we open our doors to Y12 students in September 2024! We want to build an inclusive, creative and supportive environment for all of our staff. If you are interested in being part of this team, please do apply for one (or more!) of our open positions.



# Welcome from our Partners



As Chief Student Officer at the University of Surrey, I am proud to say that we are a passionate partner of the Surrey Maths School initiative.

Inspiring young minds to explore and excel at maths is not only good for a student's progression, but it's good for society too. Mathematics is fundamental to the world we live in, and we need more people with the analytical and problem-solving skills that an education founded on maths can bring.

Our university staff and students will be working closely with Surrey Maths School, sharing their passion for maths and science, and helping to design and deliver an innovative, stimulating and world-class curriculum. We are excited to help realise the potential that the Surrey Maths School promises.



Kerry Matthews  
Chief Student Officer

Surrey Maths School is a very exciting new addition to the schools within Learning Partners Academy Trust, a collaborative multi-academy trust built on partnership, committed to high quality learning and motivated by the core vision to lead schools where children thrive.

We are looking to SuMS and its staff to work with and alongside schools across Surrey to become a centre of excellence for the delivery of mathematics and further mathematics and other STEM subjects at A Level, for students from across our region. Our partnership with the students and staff at the University of Surrey will be at the heart of what we and you will seek to achieve.

We believe that SuMS will provide an unrivalled opportunity for you to develop your career further and to support us all in the development of this centre of excellence and as part of a thriving and growing family of primary and secondary schools.

I hope you are as excited as we are about the unique opportunity that SuMS brings to you, to our young people and to the wider landscape of schools. We will all need to innovate and start from scratch; a great opportunity to shape the future.

Andrew Roach  
Director of Education & Surrey Maths School Lead



Email us - [head@surreymathsschool.co.uk](mailto:head@surreymathsschool.co.uk)

# What are maths schools?

Working alongside the UK's most prestigious universities, maths schools are specialist schools for 16 to 19 year old students with a strong interest in the mathematical sciences. The schools help to prepare students for success in high-prestige STEM degree courses at top universities as well as other valuable pathways, and then to pursue careers in science, technology, engineering and mathematics.

SuMS will join a national and expanding network of ten maths schools and will be run by Learning Partners Academy Trust alongside the University of Surrey. Current and established maths schools include King's, Exeter and Liverpool Maths Schools. The UK maths school movement was inspired by the Kolmogorov Physics and Mathematics School in Moscow, established in 1965 by Andrey Kolmogorov, one of the leading mathematicians of the 20th century. SuMS will work closely with the University of Surrey as a key partner.

The blend of a distinctive curriculum, imaginative approach, like-minded peers and well-motivated teachers attracts a particular kind of student to maths schools. Our staff will relish the challenge of their students' quick thinking, and will ensure that their thinking skills and conceptual understanding develop not just rapidly but with rigour and reliability as well. Our students will be talented and well-motivated: our teachers will inspire trust and respect. Our students will be able and hardworking and they will also need individual support to develop as people and responsible citizens. They will all have high potential and their capacity for well-focused and effective study will be fostered further.

If you are excited by the idea of working in a unique environment, supporting diverse, high-potential students, we'd love to talk to you.



# The Maths School Network



Durham Maths School, University of Nottingham Maths School and one other will also be joining the network - opening dates to be confirmed



Email us - [head@surreymathsschool.co.uk](mailto:head@surreymathsschool.co.uk)

# About Surrey Maths School

**Surrey Maths School will be a dynamic and vibrant community, dedicated to fostering inclusivity and diversity, ensuring every individual can thrive. It is a home for inquisitive mathematicians, driven by a love for learning and an affinity for adventure.**

## **Our Mission:**

We will inspire exceptional young mathematicians of all backgrounds into high-potential STEM pathways by providing an innovative education that supports exploration beyond A Levels into real world applications.

## **Our Vision:**

Through their engagement in the mathematical sciences, our students will have a tangible impact on society, cultivating a brighter future for all.



### **INTEGRITY**

We are honest, we are transparent, and we treat each other fairly.



### **ASPIRATION**

We strive for excellence, we work hard, and we challenge ourselves to be the best we can be.



### **COLLABORATION**

We work together, we appreciate the value of learning from each other, and we support one another.



### **COMPASSION**

We act with kindness, and we treat all members of our community with respect.



### **INNOVATION**

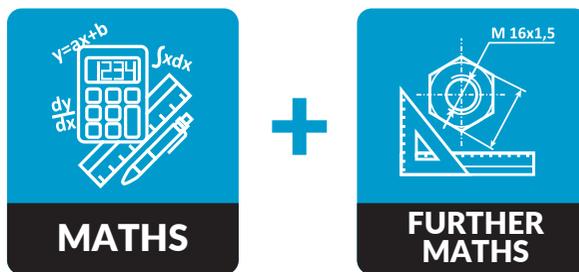
We believe in doing things differently, and we inspire through our creative and unique approach to teaching and learning.



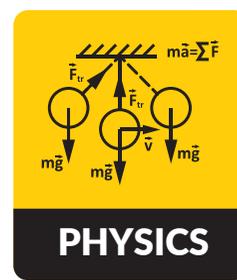
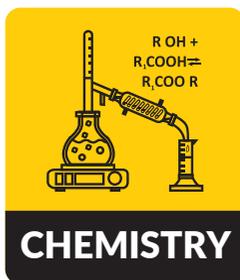
# The Curriculum

**At Surrey Maths School all students study Mathematics and Further Mathematics A Level.**

They can then choose two subjects from Chemistry, Computer Science, Economics and Physics. Whichever subjects are chosen, the experience is truly special; learning with peers who are all studying Mathematics and Further Mathematics enables teachers to really extend, challenge and deepen their subject understanding.



They will also take STEM subjects in **TWO** of the following:



*Curriculum choices for September 2024 students may be reduced.  
Students will be able to indicate their initial preference through the application form.*

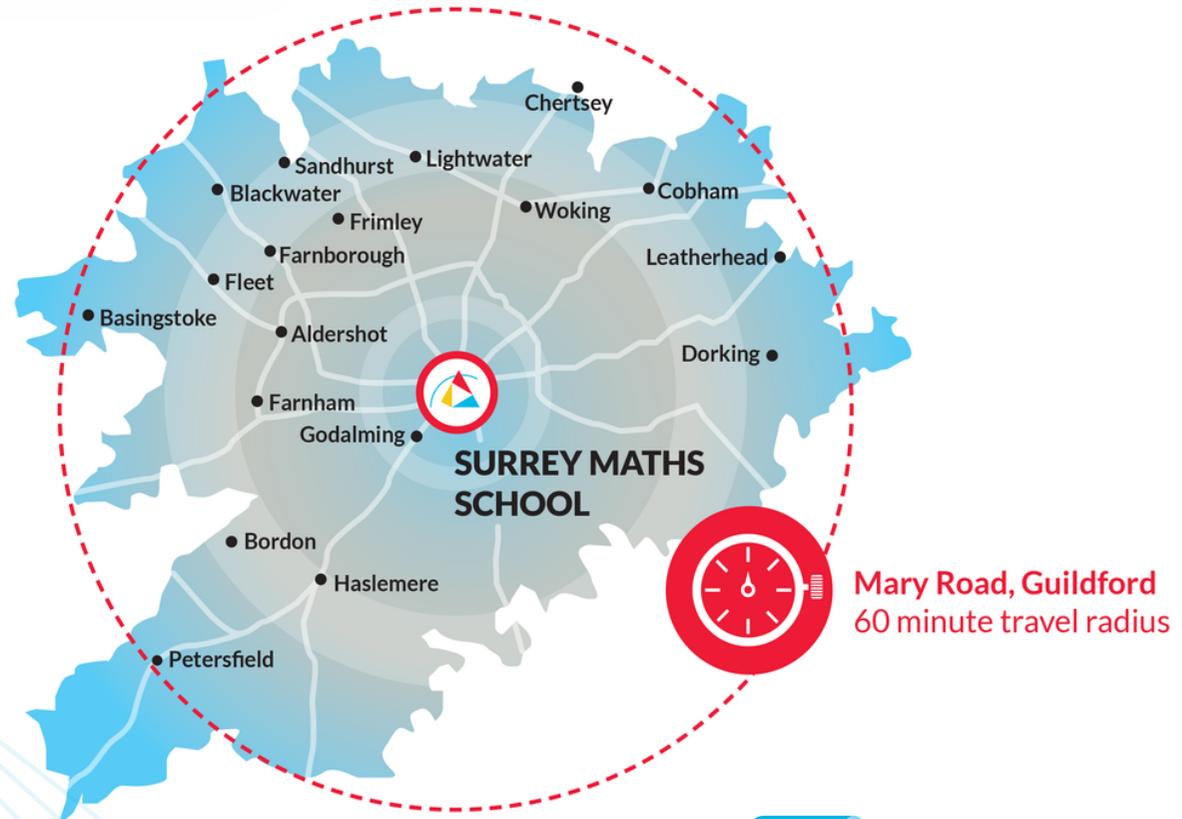


# Where will members of our community come from?

Surrey Maths School will serve an expansive area.

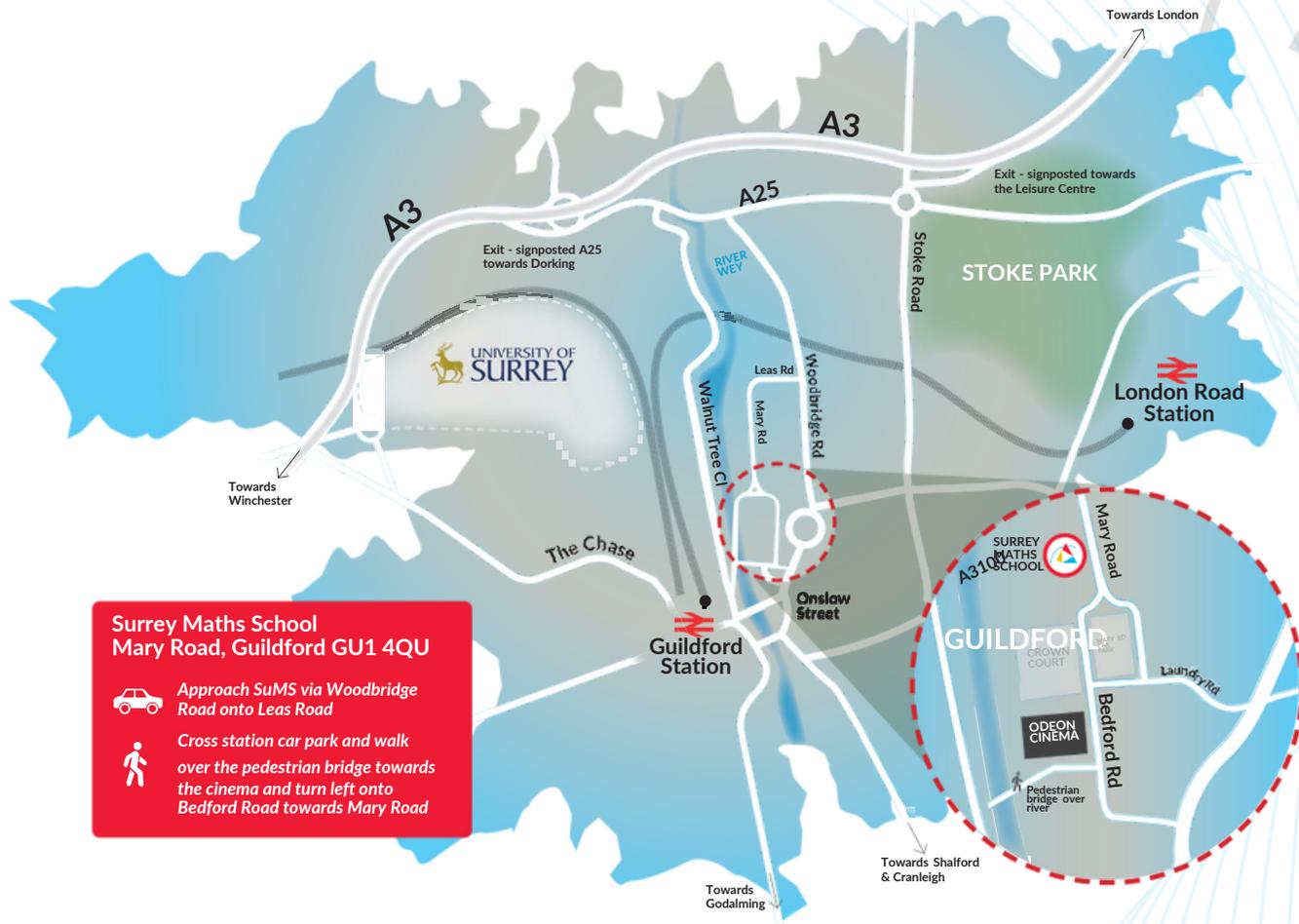
We hope to attract top young mathematicians from Surrey, Berkshire, Sussex, Hampshire, SE and SW London who will love being part of the Surrey Maths School community and thrive in its environment.

We hope to attract our staff from these areas too, if not from further afield. The train lines into Guildford are excellent, and worth considering - SuMS is just five minutes walk from the train station.



Email us - [head@surreymathsschool.co.uk](mailto:head@surreymathsschool.co.uk)

# Location



# What is the Outreach Programme at SuMS?

Outreach has a core role to play in the mission of Surrey Maths School. We aim to build an outreach programme that supports developments in mathematical sciences and complements existing maths outreach provision and responds to the needs of local schools. Working with the University of Surrey, our outreach programme will target the following three key areas:

- To improve the diversity of students who go on to study mathematics at a higher level, by:
  - improving the proportion of girls taking part in STEM subjects post-16
  - further improving social mobility via identifying able mathematicians from disadvantaged backgrounds
- To inspire students to engage with the mathematical sciences and to provide support for students throughout their education
- To facilitate discussions and CPD aimed at improving the quality of teaching and learning in mathematical sciences by:
  - working to improve maths outcomes in schools with weak progression and high proportions of disadvantaged students
  - working with schools with low conversion rates from GCSE to A level maths
  - delivering CPD for teachers of the mathematical sciences to extend and inspire teaching at A level

In particular, this will be targeted at those schools where:

- data indicates low attainment and progress in GCSE maths
- there are a high proportion of pupils in receipt of free school meals
- girls' outcomes are poor, and/or
- take up at A level is low





## HELP US TO BUILD OUR SCHOOL

Fantastic opportunities are available from September 2024 for inspirational professionals to join the founding team to open Surrey Maths School, a funded, specialist school for high-performing mathematicians. We are looking for people with talent, imagination, creativity and a real desire to make a difference.



## RESPONSIBILITIES OF YOUR SPECIFIC ROLE

We have a range of posts advertised for September 2024, and the specific details of each one can be found in the Job Description located on the [Vacancies](#) page of the SuMS website. We have indicated in the Job Descriptions where it might be possible to combine some of the different roles together. In any of the posts you would be the first to take up the role and would therefore have the exciting opportunity to influence the direction of SuMS for generations to come.





## BROADER RESPONSIBILITIES OF A SuMS EMPLOYEE

All members of staff will be expected to participate in other aspects of school life beyond their specific job description at various times. These responsibilities might include:

- Attending training days in proximity to the start and end of the SuMS terms and demonstrating a personal commitment to be fully up-to-date with training
- Taking responsibility for the care, guidance, support and academic mentoring of a tutorial group, including delivery of PSHE lessons
- Participating in House events – all members of staff will be affiliated with one of the four houses
- Taking a share of the duties around student supervision, including clubs and sport
- Providing cover for absent colleagues
- Participating in arrangements for students' supervision during assessments and public examinations
- Planning, supporting or leading offsite trips and visits (training provided where necessary)
- Complying with all school policies
- Maintaining confidentiality of staff and student/family information
- Contributing to a programme of after-school and lunchtime academic enrichment and co-curricular activities, which may sometimes require reasonable evening or weekend commitments which may be offsite
- Participation in recruitment events such as Interview Days, Open Evenings and Taster Days
- Promoting equality and inclusion in all aspects of school life
- Promoting and safeguarding the welfare of students and staff at the school
- Undertaking any additional duties which may be reasonably required within the school





## SAFEGUARDING

- Surrey Maths School is committed to safeguarding the welfare and wellbeing of children. Applicants must therefore be willing to undergo child protection screening appropriate to the advertised role, including checks with past employers and the Disclosure and Barring Service.
- We expect all staff members to contribute to the development and maintenance of a caring, positive safe and motivating environment for every individual student at SuMS



## EQUAL OPPORTUNITIES

- SuMS is committed to establishing an inclusive school for all members of the community. We want to recruit a diverse staff body to bring a broad range of ideas, skills, experiences and ways of thinking to enhance student experience.
- We encourage applications from individuals with a disability who are able to carry out the duties of the post. If you have special needs in relation to your application, please contact the SuMS co-ordinator, Ashley Stapledon, by emailing [AStapledon@surreymathsschool.co.uk](mailto:AStapledon@surreymathsschool.co.uk)





At Surrey Maths School we celebrate diversity and are committed to creating an inclusive workplace for all staff members. We offer a range of benefits, including:

As a staff member at SuMS:

- Being part of a small, knowledgeable and enthusiastic team
- The opportunity to work with young people who are interested and interesting, driven and curious
- Collaborative working at the heart of all that we do, both as a value that we teach students and the way that staff engage with each other
- A later start, with lessons commencing at 09.15
- Free onsite parking

As a member of Learning Partners Academy Trust:

- Training and development – opportunities to take part in in-house training events
- Employee assistance programme – free and confidential third-party telephone counselling service available 24 hours a day
- Pension scheme
- Discounted Gym membership
- Octopus electric vehicle salary sacrifice scheme



# What is SuMS aiming to achieve in its first few years?

- ∞ Build a flourishing community of up to 100 students per year, specialising in the mathematical sciences
- ∞ Deliver exceptional and inspiring learning and teaching
- ∞ Build and develop an inclusive staff team
- ∞ Provide a safe and supportive work place environment for all staff members to thrive
- ∞ Deliver targeted, impactful outreach
- ∞ Become a hub of excellence for the mathematical sciences in Surrey

**SuMS WILL ...**



## YOU'LL HELP US TO ...



- ∞ Share your love of mathematical sciences inside and outside the school
- ∞ Ensure that students are safe and feel they belong
- ∞ Encourage students to challenge themselves and engage with broad learning opportunities
- ∞ Build a supportive community of staff, students & families
- ∞ Lay a strong foundation in the opening year of our school
- ∞ Develop links with your counterparts in LPAT and other U-Maths schools

- ∞ Support your induction into this role
- ∞ Empower you to develop in the aspects of your role that you find most interesting and motivating
- ∞ Enrich your practice through Continuous Professional Development
- ∞ Encourage you to innovate in your role and be creative in the way that you deliver it
- ∞ Collaborate with you to deliver successful outcomes for your students, staff and the wider maths community
- ∞ Invest in you and your future

**WE WILL ...**





**SURREY**  
MATHS SCHOOL

Interested in applying for one of our advertised posts?  
If working at SuMS appeals to you – even if you aren't sure you can do it all yet – please talk to us. We are eager to hear from you and are more interested in finding the right people for our roles, rather than the people who 'tick all the usual boxes'.

Get in touch with Nora and Sahar by emailing  
[head@surreymathsschool.co.uk](mailto:head@surreymathsschool.co.uk)  
We'd love to hear from you!



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