



# THE STONEHENGE SCHOOL

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BRF/RT

17<sup>th</sup> January 2024

Dear Parent/Guardian

Headteacher  
Mrs C. A. Dean B.A. (Hons), NPQH

## **Year 10 Trip to Maths LIVE! Conference in Disneyland Paris: Sunday 2<sup>nd</sup> – Tuesday 4<sup>th</sup> February 2025**

The teachers of STEM subjects would like to offer your child the chance to attend a trip to Paris to take part in the *Maths LIVE!* student event at Disneyland Paris for Year 10 students (current Year 9s). This trip is aimed at students with a particular interest and capability within the STEM subjects.

This three-day event is designed to complement studies within the Edexcel syllabus and the expert speakers are selected to meet the learning objectives of the maths curriculum at KS4. Students can put their own questions to the experts during a Q&A session. As part of this immersive maths event students take part in park challenges covering the fundamentals of maths at KS4 in a practical and fun way. *Maths LIVE!* is designed to meet course aims by encouraging students to develop confidence in mathematics and recognise the importance of mathematics in the world around them. The study themes include the following:

### Ride Design & Animatronics

- Ride & rollercoaster design and maintenance - energy, forces & motion
- Types of material used over time
- Systems approach to designing rides - use of electricity & circuits to produce light sensors & sound buzzers
- Mathematical calculations in ride & rollercoaster design - calculating forces, acceleration, & energy used

### Planning & Sustainability

- The role of maths in the planning & design of Disneyland® Paris
- Mathematical calculations used on a daily basis – planning, design & maintenance
- Using maths to improve energy efficiency
- The role of maths in sustainable construction

### Mathematics in Action

- The role of maths in ride special effects, shows, & fireworks display
- Using maths to create the chemical reactions in the pyrotechnic displays
- Forms of energy - sound, light and heat

### Senses, Illusion & Virtual Reality

- The role of maths in creating an immersive experience – smells, lights & special effects



In addition to the *Maths Live!* event, students will have the opportunity to visit Disneyland Paris itself and hopefully (time dependent) visit some iconic Paris sights and broaden their cultural experiences. Details of the trip are as follows, but are subject to change:

	Morning	Afternoon	Evening
Day 1	• Early morning departure from School	• Arrive to Disneyland Paris	• Time in Disneyland Paris
Day 2	• Maths Live! Event at Disneyland Paris		• Evening Meal • Time in Disneyland Paris
Day 3	• Departure for School		• Arrival to School

The total cost for this trip will be £577 per student and this includes all travel, travel insurance, breakfasts, lunches, evening meals and trip activities. If your child is in receipt of Free School Meals we can offer this trip to you at a reduced rate of £432.75. Your child will also need to bring spending money to cover the cost of buying their lunches and refreshments for the journey to and from Paris. They may also bring a small amount of money to spend on souvenirs if they wish.

**Students must have a valid passport to be able to attend**, this needs to be valid for 6+ months before/after the trip. **Please also be aware that if your child holds a non-EU passport that you may be required to organise a VISA for them for this trip.**

Payments should be made on line through ParentPay. You will also need to tick the consent box to provide permission for your child to attend. If you have mislaid your ParentPay log in details please contact the school.

The total cost will be divided into the following payment schedule:

**By Wednesday 31<sup>st</sup> January 2024 – Initial deposit of £75.00**

It is important that if you are selected to go on the trip that the non-refundable deposit is paid promptly to secure your place.

**Friday 22<sup>nd</sup> March 2024 £90.00**  
**Friday 21<sup>st</sup> June 2024 £412.00**

It is important that this schedule is adhered to. The travel company set strict payment deadlines and if these are not met then additional charges may be added to the overall cost. **Therefore, late payment of the deposit or balance could jeopardise the trip.** Please note that once places have been confirmed, payments will be non-returnable unless the trip is cancelled by the school.

There are limited places available, so to ensure that everyone has the chance to go, we will ask you to register your commitment to the trip on ParentPay before payment is requested. Interest must be registered by **Tuesday 23<sup>rd</sup> January 2024**. If the number of requests outweigh the places available, we will pick names at random to ensure fairness.

The organisation of all trips includes a comprehensive risk assessment. Please be aware that the medical information and contact details for your son/daughter that you have supplied for The Stonehenge School records are printed and taken on the trip by the trip leader and their deputy in case an emergency arises. The printouts are destroyed once the trip is over. If your child is either asthmatic or anaphylaxis, they must ensure that they always carry their inhaler or EpiPen on them during the trip. By applying for a place on the trip, you are giving your consent for this information to be used for this purpose.



Students must understand that their behaviour around school and in lessons will be taken into account when deciding if they are suitable for the trip, as good behaviour and co-operation is necessary when taking part in a residential trip. If the school feels that your child could present a safeguarding risk they will be removed from the trip and a refund will not be guaranteed.

We hope that you will support this exciting opportunity for your son/daughter. Should you have any queries or questions about signing your son/daughter up, please do not hesitate to contact me.

Kind Regards,  
Miss B. Freemantle  
Stonehenge Maths / STEM Coordinator

