

Aspiration  
Respect  
Endeavour

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Roding Valley  
HIGH SCHOOL

17<sup>th</sup> December 2021

Dear Parent / Guardian,

### Year 9 STEM trip to the L'Oreal Young Scientist Centre

We would like to offer year 9 pupils the opportunity to visit the L'Oreal Young Scientist Centre, part of the Royal Institution  
<https://www.rigb.org/education/loreal-young-scientist-centre/programmes/magnets-and-motors> to complete a workshop that links directly to the GCSE syllabus. Students will be chosen at random after the payment deadline.

The workshop they will be completing is set in a historical context but in a series of hands on activities, students will dramatically improve their understanding of how magnetism and electricity are linked and the important electromagnetic principles which drive our modern world.

Following a practical reminder of basic magnetic principles students will see how liquids can be magnetised. After making an electromagnet and a demonstration of Faraday's original electric motor they will build a simple battery powered motor that uses similar principles.

The visit will take place on Friday 29<sup>th</sup> April with students leaving school at 8:30am and returning to school at 3pm.

We will be travelling to and from the venue by underground so students will need to bring their oyster cards or a contactless card to pay for travel with sufficient credit to pay for the return journey into zone 1.

The trip will cost a total of £23.00 which is payable through ParentPay. **This needs to be paid by Monday 24<sup>th</sup> January to secure your child place on the trip.** This is a voluntary contribution, should you feel that, for financial reasons, you are unable to fund all or part of the trip, please contact [finance@rodingvalley.net](mailto:finance@rodingvalley.net). We must emphasise that if we do not receive enough of the voluntary contributions and the trip is financially non-viable, it will be cancelled.

Students will need to be in full school uniform and will need to provide their own lunch as there is nowhere to buy lunch on site. There is a small gift shop which will be open at the end of the visit. Please complete the online consent form as soon as possible, the deadline for completion is Monday 24<sup>th</sup> January 2022. It has been sent to you via Evolve.



If you have any questions about the trip, please do contact me at [dharris@rodingvalley.net](mailto:dharris@rodingvalley.net).

Yours faithfully,

Mrs Harris  
STEM Co-ordinator

Mr Mammon  
Deputy Head Teacher

Mr Poovilingham  
Head of Science