



13th November 2025

Dear Parent/Carer,

Re: Royal Institution (RI) “Do It Yourself” live, interactive science demonstration show

I am delighted to inform you that Rooks Heath School has been lucky enough to secure a very special event hosted by the Royal Institution. The **“Do It Yourself”** demonstration show focuses on everyday science — showing that you do not need a lab to do science; you can explore, experiment, and discover using things found at home or in the classroom. The goal is to encourage curiosity, creativity, and critical thinking — empowering students to become scientists themselves.

This exciting opportunity will take place on **Thursday 27th November at 5.00pm** in the school hall and is expected to finish at 6.15pm. Invitations have been extended beyond our school community, and we will also expect the presence of Governors and Trustees, other Harrow schools, the Mayor of Harrow and our local MP, Gareth Thomas.

 Typical Activities

The show usually includes:

- **Live demonstrations** with audience participation (safe, fun, and often surprising).
- **Simple experiments** showing scientific principles such as:
 - **Forces and motion** (e.g., building simple rockets or catapults)
 - **Electricity and magnetism** (e.g., circuits made from everyday materials)
 - **Chemical reactions** (e.g., colour changes, foaming reactions, dry ice)
 - **Air pressure and sound** (e.g., popping balloons, sound waves)
- **DIY takeaways** — encouraging students to repeat experiments safely at home or school.

 Presentation Style

- Delivered by **RI science communicator**, who is trained to make science **engaging, dramatic, and understandable**.
- Uses **humour, storytelling, and showmanship** — a mix between a science class and a theatre performance.

 Educational Message

- Science is something **you can do yourself** — not just something done by experts in labs.
- Emphasizes **the scientific method**, curiosity, and creativity.
- Encourages students to **ask questions, test ideas, and learn through doing**.

This is a rare and enriching opportunity for KS3 students and our local community, and we are thrilled to be able to host this experience at Rooks Heath School. Places are limited so if you would like to reserve a seat, please [CLICK HERE](#) to complete a short form confirming your reservation by **Monday 17th November**. Please note, entry will not be permitted without a reservation.

Your sincerely,

Mrs M Manderson
Headteacher

