

Urmston Grammar School



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2nd June 2025

Dear parents and carers of Year 8 pupils,

We are thrilled to present an exciting opportunity for your child to participate in the Faraday Engineering Challenge Day, themed "Make it to Mars," here at Urmston Grammar. The event will take place on Monday 23rd June and Friday 27th June. It will run from 11:10 am to 3:15 pm, and students will only participate on one of the specified days. While no clashes with other events are expected, pupils have the option to select a preference for the day they wish to participate, and we will do our best to accommodate these requests. The primary goal of this day is to provide pupils with firsthand experience of the problem-solving and interdisciplinary aspects of engineering. Throughout the day, students will construct a model rocket, assemble and program a rocket carrier for transporting the rocket, and ultimately launch the rocket using compressed air. Guidance and materials will be provided to facilitate the challenge.

The school day's timing will remain unchanged, and students are expected to wear their school uniform and bring necessary equipment for Periods 1 and 2. They should make their usual arrangements for lunch. From 11:10 am onwards, participating students will not attend regular lessons but will complete the Faraday Challenge in the conference room. We particularly encourage female students to participate, as women are currently underrepresented in the field of engineering, despite it offering highly paid, flexible, and stimulating career opportunities.

If you wish for your child to participate, please print and complete the attached reply slip and return it to the main science prep room (located between labs S7 and S8) by Wednesday 18th June. Only paper reply slips submitted to the prep room will be considered. Paper copies of this letter will also be available in the prep room on request for your convenience. Additionally, pupils can indicate if they prefer to form their own team (up to 4 members) on the reply slip; otherwise, they will be assigned to a team. Please note that places are limited, and the final list of participants will be posted on the noticeboard outside the main prep room on Friday 20th June.

Kind regards,
Mr R Murray
Physics department

2025 YEAR 8 FARADAY CHALLENGE. Hand in to main science prep room only by **Wednesday 18th June**.

I give permission for my child (NAME) _____ in (FORM) _____ to attend the Faraday Engineering challenge day.

Parent / guardian (NAME) _____ (SIGNED) _____

If you wish to only be considered for one of the days, please state which. If not, leave blank: _____

Team name (if agreed on) or team members (max. size 4) _____