

Fantastic Flight - AVIATION ENGINEERING IN SECONDARY SCHOOLS

Volunteering to support - Schools Aviation Workshop / Aeronautical Engineering

Volunteers help a small team of 4 students by facilitating discussion, team structure, plans, sense checking and questioning their work to improve it, praising and maintaining a functioning team. Each team will build and test gliders, create non flying designs and build a unique aircraft that is capable of radio controlled powered flight.

Training- Workshops are led by expert trainers. There is no need for volunteers to be trained before the event. There is a 20-minute briefing on the day before the start.

Dress code- casual – business logo, badges, company T-shirts etc. are encouraged

Schedule workshops are a whole school day with the option of day Air-show for parents and other students at the end of the day. Timings vary with each school.

Refreshments- Schools provide these through the day.

Volunteer's role -

- Turn up at 8.30am for a 20 min briefing before students arrive.
- Support the work of the children as mentor and advisor.
- Help them discuss the demonstrations and engineering approaches to testing and improving.
- Help organise student teams to coordinate their labour to complete challenges -
 - Designing and making gliders with low and high lift / straight flight / Tight turns.
 - Developing a team brand/logo and communicate science learning.
 - Designing and building a unique aircraft for powered flight.
- Supply information about job roles and engineer's lifestyles.
- Convey messages that engineering is good fun and leads to opportunity in life. You may need to dispel some misconceptions about who can be an engineer and what it involves.
- Respond to student's interest in their job roles and routes into engineering

To volunteer or make an enquiry including assistance with travel please contact-

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