



PROBLEM SOLVING CHALLENGE FOR SECONDARY SCHOOLS & SIXTH FORMS

SATRO Problem Solving Challenge Helps Students

Develop essential skills for the future including:

- Creativity by developing ideas via the engineering cycle
- Working under pressure in a strict time period
- Teamwork and clear communication
- Confidence to develop ideas and react to changes following concept testing

Volunteering

A team of volunteer judges from STEM industries are there to answer any questions, ensure teams comply with the rules and judge each entry. Teams must complete a design sheet, which is marked by the judges. The solution to the problem is then judged on a number of factors including time taken, number of items moved, accuracy or other criteria relevant to the problem the students are solving. You will get full guidance.

What Our Volunteers Particularly Enjoy

“Judging at a SATRO Problem Solving event is a front-row seat to the next generation of ingenious, collaborative problem-solvers. It’s deeply rewarding. In just a few hours, you’ll witness creativity under pressure, see young minds working at pace—and leave inspired by the part you played.”

How The Event Works...

This is an after school event with teams of six students from between 8 and 10 schools. Schools can enter a maximum of one team from each of Key Stage 3 (11-14 year olds), Key Stage 4 (14-16 year olds) and Key Stage 5 (16-18 year olds)



A judges briefing will be given before the students arrive so that VOLUNTEERS are prepared to answer questions from and support students.



Students have limited time to come up with two designs (Task 1). VOLUNTEERS can support by asking students to explain their design and justify their choices of materials and how they aim to develop their concept.



Students continue to test and develop their chosen design throughout the allocated time. (Task 2). VOLUNTEERS support this process by ensuring that the teams work within the rules of the competition.



VOLUNTEERS judge each entry according to the set criteria, ensuring consistency and fairness across the heat.

DETAILS

VENUE: In a school hall
AREA: Surrey
TIMINGS: Normally 16:00 - 19:00
Refreshments provided.

**INTERESTED IN MAKING
A DIFFERENCE?
CONTACT US TODAY**

 01483 688 070

 contactus@satro.org.uk

