

FOR TEACHERS AND STUDENTS

The Tomorrow's Engineers EEP Robotics Challenge – it's competition time!

Welcome to this Tomorrow's Engineers EEP Robotics Challenge competition day. By now you've gained new skills and knowledge about robotics, programming and engineering - now it's your chance to demonstrate everything you've learnt.

You'll find everything you need to know about today's competition in this document, including the challenges you'll be judged on, the scoring system and competition rules.

Good luck and we hope you have a great day!

Competition judging areas

Student teams will be judged on the following parts of the challenge. We would really like to see a mix of boys and girls taking an active part in all tasks. Please make sure that both genders are involved in all aspects of the competition – where possible!

- Performance of the robot and team undertaking the tasks in the **Robot Challenge**
- Team presentation on the robots they built and programmed for the Robot Challenge in the **Robot Design** assessment
- Presentation of the team's research on the project in the **Project Presentation** task
- Performance in **Teamwork Challenge** – a mystery task to be revealed on the day

Each part of the challenge is worth 40 points. There are an additional 20 points on offer for the **Speed Challenge** - bringing the potential points total to 180!

Scoring System

For each element (apart from Speed Challenge and the Ramp Challenge task) the scoring system is 1 (lowest) to 5 (highest).

Maximum 40 points.

The Masters – 5 points per challenge

Congratulations! Not only did you tackle the task, but you and your team did it perfectly and with perfect results. Give yourself a massive pat on the back, you are flying high!

The Experts – 3 points per challenge

Everything didn't go perfectly, and maybe there were a few mistakes or accidents along the way, but you still kept going to the end of the task. Great stuff!

The Persistent – 1 point per challenge

You did the best you could under difficult circumstances. And you know what? Engineering is all about trying, failing, and then doing it better next time, so you are part of a long line of engineering heroes.