

» Engineering Education Scheme (England)

an EDT Programme

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» Engineering Development Trust

Engineering Education Scheme (England) is an activity of the Engineering Development Trust, together with Headstart and The Year in Industry. Registered Charity number 1002459. The schemes are members of the Royal Academy of Engineering's Best Programme.



The Royal Academy
of Engineering
Best Programme

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Information for students

Are you looking for a career that requires imagination, innovation, and offers a positive challenge?

Have you thought of a career in engineering?

Perhaps not, but taking part in the EESE will open your eyes to the huge number of exciting and diverse opportunities the world of industry has to offer.

What is the Engineering Education Scheme (England)?

The EESE is focussed on encouraging talented young people to consider a career in engineering

You will work in a team of 4 students with an engineer on a real engineering challenge posed by a local company. The project lasts around 6 months and includes the following special events:

- Company visit to see the project in context
- Scheme launch
- Regional residential workshop. Minimum of 3 days at a university to utilise the facilities and progress the project
- Celebration and Assessment Day

During the project phase you will gain experience of problem solving, team working, presentation skills and project management.

These are real projects, and on completion, many of the outcomes are implemented by the companies/organisations involved.

You will get in-depth, hands-on experience of engineering, design and research at a professional level. And it's a lot of fun!

Student Profile

Ideally you should be studying AS level Maths, preferably with a science and/or Technology or alternatively an appropriate vocational course. You should also have a genuine interest in engineering and be able to work effectively as part of a team.

Other subjects such as Business Studies, Economics, IT and a foreign language are also valuable.

What do I have to contribute?

The project will require about 100 hours from you in total, which works out about 2/3 hours a week, in addition to the time spent at the residential workshop.

What will I get from taking part?

- Opportunity to work as part of a team and use your skills and talents to solve a real and live problem
- Experience university life and gain a greater awareness of possible career opportunities
- Something highly significant to include in your university applications and any future job applications
- Experience of interviews, presentations and writing technical reports
- Contribution to the Duke of Edinburgh Award skills section
- EESE National Certificate

If you are interested and have the commitment, talk to your teacher and complete an application form which can be downloaded from www.thescheme.org.uk

Following my EESE project, I worked for the same company during my school holidays and when the time came to go to university, they offered me sponsorship. I started my first job as Production Engineer a week before graduation with my EESE/sponsor company.

Elena Sharp

Production Engineer, former EESE student

Information for Parents

The aim of the scheme is to enlighten students so that they can make an informed decision about the opportunities available to them in engineering.

In many cases the EESE experience has resulted in young people deciding to pursue engineering as a university course and career.

The school/ college will be asked to nominate a contact teacher whose main role is liaison and facilitation on behalf of their team. Attendance with the students at all EESE events will also be required.

Accreditation

Each student is provided with a scheme logbook to record individual contribution to the team achievements. This record of their project work with relevant evidence may be submitted for accreditation to certain awarding bodies subject to external conditions. This project work also provides students with evidence of study and achievement which is relevant to all key skill units. The majority of EESE students receive BA Crest (Creativity in Science and Technology) Gold awards in recognition of their project outcomes.