National Grid work experience week

Yr10

We can do what?

The UK uses as much as 60,000MW of power at peak times. By 2020 power stations totalling about 20,000MW will close. We need to wire in new capacity for about 133 million games consoles. It's time for some serious engineering.

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Big things happen with The Smallpeice Trust

National Grid work experience week

Sponsored and hosted by National Grid, this brand new opportunity boosts your knowledge of engineering, and the future of energy and is ideally suited for students seeking to gain real-life work experience in this dynamic sector.

What's it all about?

Energy is essential to the quality of our lives. Ensuring supplies of affordable, reliable and sustainable energy is one of the biggest challenges facing society today. First and foremost it is an engineering challenge. Huge investments in new generation, gas sources and delivery networks are required in the UK and across the developed world. The new energy economy is a source of global growth and a fantastic opportunity for young people today.

This unique residential experience gives you a fun, informative and hands-on insight into an engineering work place. Based at the National Grid Training Centre in Eakring, Nottinghamshire, you will see first-hand how the energy supply industry works and will be shown the scale of the 'hardware' used to keep the lights on and the gas flowing! You will also explore issues including how we are going to obtain affordable, reliable but sustainable energy in the future – one of the greatest issues facing society today. Not only that, you'll be hearing about the diverse and rewarding career opportunities, qualification choices and what to do next!

What will I be doing?

- Exploring the energy world of generation, transmission and distribution through a series of interactive workshops, demonstrations and fun activities
- Learning the anatomy of the nation's energy networks and taking a close up view of high-voltage substations, lines and cables
- Visiting a gas compressor site and developing a deeper knowledge of how gas is moved around in volume
- Taking a tour of a major power station and learning how electricity is generated and the key aspects of the production cycle
- Taking part in thought-provoking activities to find out where we will get our energy from in 2030
- Meeting and working alongside real engineers from National Grid to draw on their knowledge and experience
- Building your confidence, time management, problem solving and team skills

What are the details?

Students	Year 10, 14/15 yr old	**Duration**	5 days, full board (4 nights residential)
Dates	21st – 25th June 2010	**Venue**	Eakring Training Centre, Newark, Nottinghamshire
Registration fee	£FREE		

NB. This course is best suited to students who enjoy STEM subjects and are likely to get 5 GCSEs (or equivalent) including maths. Students enjoying studying for the Diploma in Engineering will benefit.

What happens now?

Complete the application form, telling us why you would like to go on the course and send it to us at The Smallpeice Trust. We'll write to you within two weeks to let you know if your application has been successful.

What's the small print?
The Smallpeice Trust and National Grid reserve the right to cancel or change any aspect of the course without notice. You are responsible for your own transport to and from the course. Snacks and soft drinks are not provided.

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