

# Summary information about the Diploma in Engineering

for Connexions and Careers advisers and school staff

## Why is engineering a good subject to study?

Engineers are responsible for most devices that make our lives easier and more enjoyable. Everything from cars to mobile phones, sportswear, medical devices and water treatment systems. They ensure our planes and trains work, develop our computer software and are working on green technology to protect our planet.

## What's new?

From September 2008 selected schools and colleges in Lambeth and Southwark are offering the new Diploma in Engineering qualification. The Diploma is a new qualification which will be studied alongside GCSEs or A Levels or Vocational qualifications and offers a mix of learning in the classroom and work experience.

## Who's it for?

The Diploma is available at three levels, Level 1 - Foundation, Level 2 - Higher and Level 3 - Advanced, irrespective of age.

The Foundation Diploma is equivalent to 5 GCSEs (D-G)

The Higher Diploma is equivalent to 7 GCSEs (A\*-C)

The Advanced Diploma is equivalent to 3.5 A Levels

All levels require an interest in engineering and good problem solving skills. The Advanced Diploma also requires 6 A\* to C GCSEs, including English and Science and a B in Maths.

## Principal Learning

All levels of the Diploma look at The Engineered World (the different kinds of engineers and the impact of engineering on our lives); Discovering Engineering Technology (including design, materials and maintenance) and Engineering the Future (how engineering will affect the way we live in the future).

The Advanced Diploma also looks at Analytical Methods for Engineering (extra maths and science applied to engineering skills).

## Other learning at all Levels

- Functional skills in literacy, numeracy and ICT
- Employability skills (personal, learning and thinking skills)
- Additional or specialist learning (another GCSE, GCE or other qualification)
- At least 10 days' work experience
- An engineering-related project



Bringing  
your  
learning  
to life

## How many hours of Principal Learning?

240 hours for the Foundation Diploma  
420 hours for the Higher Diploma  
540 hours for the Advanced Diploma

## How are students assessed?

The Diploma includes internal and external assessment in which students will need to demonstrate their understanding of applying their learning to real situations.

## What happens at the end of it?

The Diploma has been developed with universities, employers and sector skills councils to give young people more choices about their future. Passing the Diploma enables students to go on to further study at college or university or to look for work or an apprenticeship. The Diploma is wide-ranging enough that students can switch to a new Diploma in a different subject at a higher level, or look for work outside the field of engineering.

## Employer Engagement

Many employers have been involved in creating the Diploma in Engineering including London Underground, Shell, Dyson, RAC, Toyota, Vodafone, Rolls-Royce, Harley Davidson, Stagecoach Travel and South West Trains.

Our partnership is working in London with Tube Lines and TfL and a range of small and medium sized employers in Lambeth and Southwark and across South East London.

## What schools and colleges in Lambeth and Southwark are offering the Diploma?

The majority of Foundation Level (L1) students will take their Diploma at either Lambeth College (Friday) or Southwark College (Thursday or Friday).

The majority of Higher Level (L2) students will take their Diploma at one of the participating schools below:

The London Nautical School  
Lilian Baylis Technology School  
Stockwell Park High School  
Lambeth Academy  
Kingsdale Foundation School  
The Charter School  
Walworth Academy  
St Saviour's and St Olave's School

Advanced Level (L3) students will study at:

Lambeth College  
Southwark College  
London South Bank University

## If students are interested what should they do next?

See the student leaflet we have produced  
Take a copy of the parents leaflet for their parent/carer  
Go to:  
[www.raeng.org.uk/diploma](http://www.raeng.org.uk/diploma)  
<http://yp.direct.gov.uk/diplomas>  
[www.engineeringdiploma.com](http://www.engineeringdiploma.com)



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