



The Advanced Diploma in Engineering

Every product purchased and used, from your trainers to the bus or car that you travel to school in, has required the skills of an engineer. The **Higher Diploma in Engineering** is an exciting opportunity for you to gain practical engineering experience, plus the chance to spend at least 10 days with a local employer where you can develop your skills.

You will produce a project that will demonstrate your engineering and design skills on products that could provide environmental solutions in underdeveloped countries, such as solar powered water pumps or alternative energy systems for transport.

The **Advanced Diploma in Engineering** will provide you with suitable skills that are required for university or employment. Engineering covers a wide range of specialist areas including aerospace, electronics, electrical, mechanical, automotive, marine and medical with over 1.7 million people employed within the sector.

The **Advanced Diploma in Engineering** is equivalent to 3.5 GCE A Levels and is available at North Lindsey College.

Sounds good? Ask your teacher or careers adviser about the Diploma if you think it is right for you. If you want to find out more, go to:

www.lincs2.co.uk | www.connexions-direct.com
www.northlindsey.ac.uk



The Diploma

Bringing learning to life

The Advanced Diploma in Engineering

Principal Learning

- Unit 1:** Investigating Engineering Business and the Environment
- Unit 2:** Applications of Computer Aided Designing
- Unit 3:** Selection and Application of Engineering Materials
- Unit 4:** Instrumentation and Control Engineering
- Unit 5:** Maintaining Engineering Plant, Equipment and Systems
- Unit 6:** Investigating Modern Manufacturing Techniques Used in Engineering
- Unit 7:** Innovative Design and Enterprise
- Unit 8:** Mathematical Techniques and Applications for Engineers
- Unit 9:** Principles and Application of Engineering Science

Generic Learning

Functional Skills: Maths, ICT & English

Personal Learning & Thinking Skills

10 Days Work Experience

Extended Project

Study this Diploma at:
North Lindsey College

Entry Requirements:

5 A*-C GCSE Grades including English, Maths & Science

Additional and/or Specialist Learning

Qualifications: To be discussed with the College staff

Advanced Level Maths will be available at John Leggott College for those who may wish to study Engineering at University