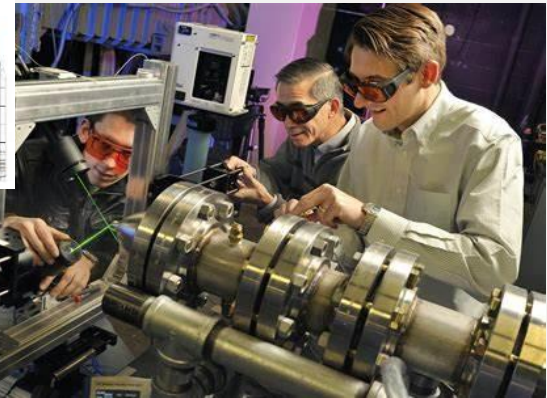


WHERE CAN OUR SUBJECTS TAKE YOU?

- What careers link to these images?



OBJECTIVES

- To discuss the career paths that can lead from studying Design Technology, Engineering or Hospitality and Catering

BEFORE WE START!!!

Common misconceptions about our subjects

It's only for boys!!

It's wood work and metal work!!

It's about smashing metal with a hammer!!!

It's only for low achievers!!

It's not an academic subject!!

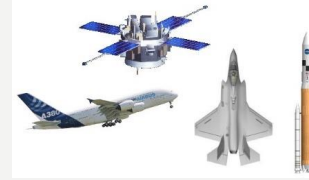
It's an easy subject!!

Food is for girls

It's all practical!!

Its only cooking!!

ENGINEERING MANUFACTURE



What is Engineering Manufacture?

Engineering is the use of scientific principles to design and build machines, structures, and other items, including bridges, tunnels, roads, vehicles, and buildings.

Is Engineering for you?

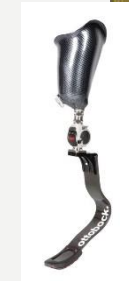
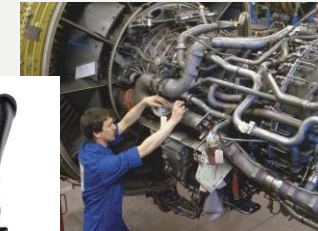
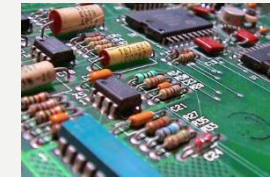
- Do you enjoy problem solving?
- Are you independent?
- Do you enjoy working with different materials?
- Do you enjoy working with tools and machinery?
- Can you communicate well with others?
- Are you self motivated?
- Can you work as part of a team?

Course and content

- Cambridge National Engineering Manufacture
- 60% Coursework – 3 written assignments and 2 practical assignments
- 40% Exam – Practical and theory exam

Careers leading from Engineering

- Automotive engineering
- Aerospace engineering
- Biomedical engineering
- Civil engineering
- Chemical engineering
- Communications engineering
- Electrical engineering
- Mechanical engineering
- Military engineering



What can you do with Engineering?

- Straight into a Career/Job
- Go to College or sixth form
- Get an Apprenticeship
- Go to University

You can choose
Engineering Design and
Engineering Manufacturing
together

STEM CAREER FACTS

- Engineering jobs makes up 19% of the UK's total employment
- 27% of enterprises in the UK are engineering related
- 1 in 8 Engineers are women
- Engineering in the UK employs 5.6 million people
- 51% of 11-16 year olds said they would consider a career in engineering
- 68% of those gaining a degree in Engineering were full time employed within 6 months
- On average professional Engineers earn more than any other professional
- 65 million engineering jobs are predicted to be available for 2024

