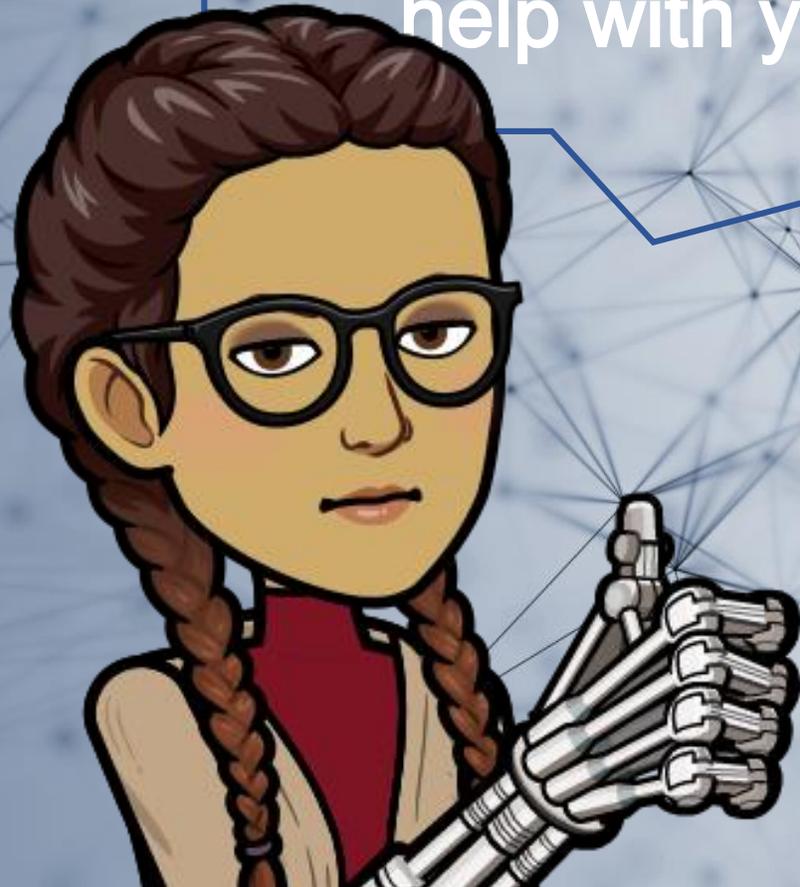


Welcome to The Design and Technology
Engineering Department
I'm Mrs Ibrahim your Engineering teacher and Mr
Cockeram the D&T Technician who is available to
help with you with your Project practical work



Engineers come in all shapes and sizes and their aim is to find solutions to problems and make life easier for everyone.

If you are naturally inquisitive, curiosity is what motivates an engineer to answer the questions they are faced with

Do you enjoy thinking outside the box and are able to think creatively?

Have you every been tempted to pull something apart to see how it works?

Do you like making things, anything from paper planes or even jewellery?



Then you are already thinking like an engineer and in this subject, you will be training for jobs the more advanced the technologies get.

Engineers are professional miracle workers

They design the amazing things we use in our everyday lives.

Smart phones and computers.

Robots and racing cars.

Food and drinks

Wind turbines and solar powered cars and homes

Studying engineering here at BCHS gives you access to the latest developments in design and technology and engineering education

Traditional Skills

Well resourced traditional workshop machinery and equipment

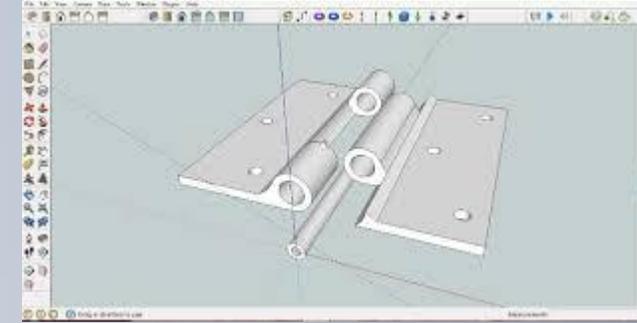
This course is designed to introduce you to the industry of Engineering Design.

You will get an opportunity to explore products and their design processes

CAD Design Skills

<http://hcut.to/v/xsGKAsZ>

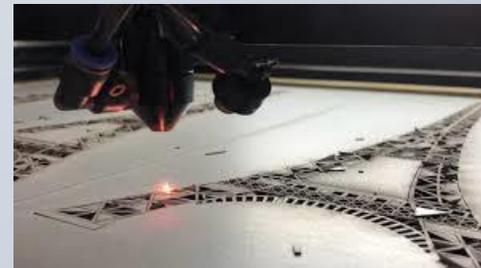
Variety of industry standard computer design software as used by Nike, Mars Living Project and The Kier Group



CAM Make Skills

<http://hcut.to/v/xJ8rTaP>

3d printing and laser cutter equipment



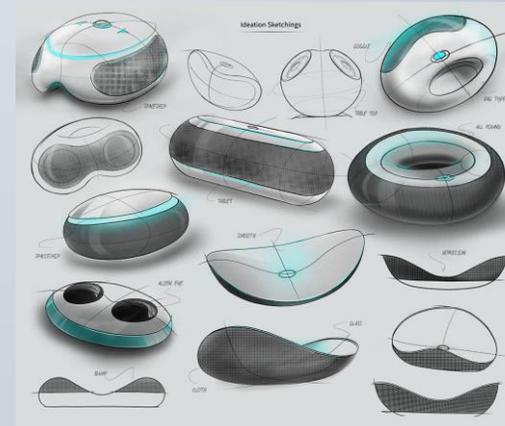
OCR Engineering Design is a vocational skills-based course

R106 – Research Project analysing everyday objects and components

R107 – Building drawing and design skills using a range of techniques

R108 – Design realization and developing a design into a product

R105 – Will bring together all your knowledge and skills



The engineering curriculum is built around design and creative thinking, allowing you to take ownership of your projects to develop your own ideas



Throughout your learning journey in Engineering, you will gain the crucial skills needed in all aspects of your career:

- Problem solving
- Analytical Thinking
- Creative Thinking
- Working as part of a team
- Communication skills

Engineering Facts

186,000 engineering roles will be needed in the UK by 2024

Space engineers hope to get humans to Mars by 2025

In the future, marine engineers will build structures that float our oceans and generate energy from waves.

Mechatronics engineers will design and build robots to help us in all aspects of our lives.

I look forward to
answering any
questions you may
have and...
Inviting you to pick a
diverse learning
opportunity in the
Engineering Option
choice.
Pick Engineering as
Engineers change the
World!

