

## **TECHNOLOGY GCSE – ENGINEERING PRODUCTS**

The concepts of "Technology and "Design" are now essential parts of modern society and are present in all aspects of our daily lives. It is hard to think of a job, activity, business or career that does not include and benefit from these concepts. Britain has a strong reputation for Engineering and the Creative industries.

The Barking Abbey 'Design and Technology' option at GSCE is now called **Engineering Products**. It is a new qualification that encompasses many areas of Engineering and Product Design. It includes aspects of many other subjects but combines them all in a way unique to this GCSE.

# What is What will you be doing? Design and Technology and why choose to study it

Courtesy of DATA (Design& Technology Association)

## WHY CHOOSE TO STUDY DT?

- Design Technology is one of the broadest subjects that can provide invaluable skills to all who study it.
- You will become increasingly aware of the importance and impact of all the products around you.
- It is particularly relevant to those who are interested in science, Engineering and Business/ Economics



## **CAREER PATHS THAT FOLLOW** ON FROM STUDYING **DESIGN TECHNOLOGY**

(ENGINEERING PRODUCTS)

- Architecture
- Engineering
- **Product Design**
- Marketing
- Business
- Creative industries

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### WHAT ARE ENGINEERING PRODUCT LESSONS LIKE?

Students will need to learn skills that will be vital for adults in the coming decades. (Note to parents: - Remember that we are training students for careers, many of which do not exist yet. There was no such thing as a "drone engineer" or "social media content consultant" a decade ago!).

### Skills that students will develop include;

- Creating and making innovative products
- Advanced problem solving
- Communication and design development skills
- Programming components that will be in imbedded into products
- Working towards truly innovative and daring solutions to acknowledged problems
- The ability to apply mathematical and scientific principles to design solutions.
- An understanding of how products are designed, developed, manufactured and marketed

## **COURSE CONTENT**

Exam board - OCR - Design and Technology Syllabus Content				
Course	Assessment type	Time	Marks	% of
component			available	qualification
Principles of	Written Paper	2 hrs	100	50%
Design and				
Technology				
Iterative	Non- exam	Approx. 40	100	50%
Design	assessment	hours		
Challenge				