

# Welcome to Year 10 Product Design



## Edexcel Product Design

Product Design not only influences the world around – it IS the world around us. From research and initial thoughts into a product's new purpose, to the design, manufacture and afterlife of an object or item that can improve daily life.

Within this subject, we will be experimenting and investigating materials, manufacturing methods, design practise and history as well as industrial and traditional design. We will conduct testing and evaluation with skill building investigation tasks, whilst looking at the theory behind the above topics.

### Assessment and Feedback:

Throughout the year, you will engage with various focused practical tasks and theory elements, as well as a final practical task that displays your skill and understanding. These practical tasks are coupled with class work and assignments to provide an overall grade.

At the end of each topic within the course, students sit a test that is then marked by the teacher and grading reviewed to ensure pupils have fully understood the topic. If the test shows a specific difficulty in an area, intervention is taken to resolve it.

**The course is a 2 year GCSE, with 50% of the final grade being coursework and the other 50% exam at the end of the course. The exam is 1 hour 45 minutes long with 100 marks available.**

### Topics covered throughout the year:

June-Summer Holiday	Materials
Sept - October half term	Mechanical, electronic and programming systems.
October half term - Christmas Holiday	Core(timber), Mini NEA project.
January-February half term	Design communication, design strategy, product analysis
February half term - Easter Holiday	Smart and Modern materials, LCA evaluation
Easter- May half term	Impact & ethics of new technology, environment, social and economic impacts.

### Classwork

Pupils work in books as well as use Powerpoint to create E-portfolios. They also work practically within workshops and also undertake focused practical sessions in which they will work on a specific skill/investigation to gain understanding.

Books are checked periodically by your teachers to ensure a good understanding of class work.

## **Homework**

Homework set throughout the year will include a range of tasks that include practice exam questions, work in extension to class projects/tasks, extended homework tasks and research. Feedback is given as written feedback which is later recorded to Brightspace.

It is expected that homework is completed neatly (word processed or by hand) on A4 paper so that it can be stuck in your book, completed on the given worksheet or completed online using Brightspace if instructions to do so are given.

It is compulsory for pupils to complete all homework set. Should a pupil not understand the task set, it is their responsibility to discuss this with the teacher **before** the due date.

## **Specification**

<https://qualifications.pearson.com/content/dam/pdf/GCSE/design-and-technology/2017/specification-and-sample-assessments/Specification-GCSE-L1-L2-in-Design-and-Technology.pdf>