GCSE D&T: Product Design   Examination Board: AQA
Specification No: 4555

Why choose to study GCSE D&T:Product Design?

From the light bulb, radio and television to mobile phones, laptops and iPods; products have defined each generation. They change the way we live our lives. Product Design is the perfect subject for those that love to create and innovate.

With rapidly changing global challenges ahead, Product Designers will be at the forefront of solving the problems that we will all face.

If you enjoy being creative, get satisfaction from problem solving and can spot what people want, you could be a great Product Designer; maybe even the next Jony Ive.

What will I learn?

D&T Product Design builds on key skills taught in Year 9 and further extends learning through the introduction of new concepts. Ergonomics, manufacturing techniques, client centric design and, of course, **3D printing (TWBS is a nationally recognised centre of excellence in this field).** The course work areas include Research, Design and Development, Making, Evaluating and communication skills. Traditional skills such as sketching will be an area heavily worked on and new communication skills such as CAD will be introduced. New technologies have been brought into the department over the past 2 years to support the outcomes of the students.

How is GCSE D&T: Product Design assessed?

Year 11 projects are set by the examining body, AQA, and cover a broad range of areas. Everything from innovative products, sports training aids and educational development of children under the age of 7 can be chosen for investigation and design by pupils. Projects are limited to around 25 A3 pages from start to finish and counts for 60% of the overall GCSE qualification. A written exam makes up the remaining 40% of the GCSE. The exam is a 2hour paper which covers all grades from A* to U. Non-functioning block model outcomes are produced in Year 10 as prototypes and in Year 11 as final project outcomes.

Where will GCSE D&T: Product Design lead?

Course progression	Career opportunities
Pupils taking any one of the GCSE Design and Technology options can continue the subject at A Level which is known as Design and Technology Product Design (3D Design)	Related areas of study include: Industrial design, Automotive design, Model making, Ergonomics, Product design management, Product design innovation, Product design engineering, Product design manufacturing, Product design technology, Furniture design, Cabinet making.

What do students say about GCSE: D&T Product Design?

Relaxing and productive. A good working atmosphere."

"The coursework suits my style of learning."

"I can work in whichever presentation style suits me; sketching, CAD modelling (Autodesk Inventor) or prototyping in resistant materials."

"We made it to the final of the 2014 3D Printshow Educational Excellence Award"