

## Course Information – Design Technology

Design and Technology is a practical subject which helps students develop their creativity, with the making of products. A process of creating a new product to be sold by a business to its customers. A very broad concept, it is essentially the efficient and effective generation and development of ideas through a process that leads to new products.

### Course Content

#### Section A – Core technical principles (20 marks)

A mixture of multiple choice and short answer questions assessing a breadth of technical knowledge and understanding.

#### Section B – Specialist technical principles (30 marks)

Several short answer questions (2–5 marks) and one extended response to assess a more in-depth knowledge of technical principles.

#### Section C – Designing and making principles (50 marks)

A mixture of short answer and extended response questions.

### Assessment

#### Written exam:

2 hours

100 marks

50% of GCSE

#### What's assessed

Practical application of:

Core technical principles

Specialist technical principles

Designing and making principles

#### How it's assessed

Non-exam assessment (NEA): 30–35 hours approx

100 marks

50% of GCSE

#### Task(s)



Substantial design and make the task

Assessment criteria:

Identifying and investigating design possibilities

Producing a design brief and specification

Generating design ideas

Developing design ideas

Realising design ideas

Analysing & evaluating

In the spirit of the iterative design process, the above should be awarded holistically where they take place and not in a linear manner

Contextual challenges to be released annually by AQA on 1 June in the year prior to the submission of the NEA

Students will produce a prototype and a portfolio of evidence

Work will be marked by teachers and moderated by AQA

### **Future Opportunities**

GCSE specifications in design and technology will encourage learners to be inspired, moved and changed by following a broad, coherent, satisfying and worthwhile course of study and gain an insight into related sectors, such as manufacturing. The course will prepare learners to make informed decisions about further learning opportunities and career choices.

The times they are a-changing. Especially within the technology industry, it is becoming increasingly important to broaden our skills as designers, embracing ones previously thought superfluous. Even ones that don't exist yet.

