

Design and Technology

As students progress through the key stages they will gain an understanding of design methods, manufacturing skills and by investigating their environment, materials used within all aspects of design and technology.

This will help our students prepare for living and working in an ever changing technical world.

Further to the academic side of the technology subjects we also aim to equip students with the confidence and ability to tackle practical tasks which they will find useful in day to day life after leaving school.

KS3

In KS3 all students have lessons of 50 minutes which are taught in their class groups.

Year 7

In Year 7 students will study 2 Dimensional and 3 Dimensional drawing skills.

They will also be taught rendering and shading techniques to aid with the communication and presentation of their design ideas .

Throughout Year 7 students will create a number of projects in different materials and begin to build up their knowledge and understanding of the tools and processes required to work safely with that particular material.

Year 8

In Year 8 students will further their ability and skill in 2 Dimensional and 3 Dimensional drawing.

They will continue to build on their skills and knowledge in the use of a variety of Materials and different methods of jointing and fixing.

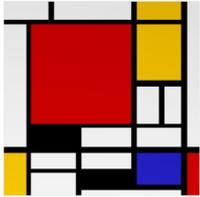
Research skills will be developed during a project looking at famous designers.

Students will also be given an introduction into basic electronics building fun projects whilst promoting students fine motor skills.

Year 9

Through the projects undertaken in Year 9, students will continue to develop their own design style. They will explore and implement knowledge of techniques and processes of manufacture in their practical work.

Students will be constantly enhancing their skills in the workshop and will be able to produce a quality outcome and be prepared for the GCSE course in KS4.



Design and Technology

KS4

Currently at KS4 the Design GCSE option offered is:

OCR - Three dimensional design (J175)

Learners are required to choose one or more area(s) of study:

Architectural Design
Interior design
Product design
Exhibition design
Environmental/landscape design
Sculpture
Design for theatre, film and television
Jewellery, body adornment
Ceramics
Design and communication.

Assessment overview

The GCSE has TWO components.

Portfolio of practical work 120 marks Non exam assessment (internally assessed and externally moderated) - 60% total GCSE.

Learners should produce :

A portfolio of practical work showing their personal response to either a starting point, brief, scenario or stimulus, devised and provided by the learner or centre.

GCSE externally set task 10 hours 80 marks – 40% total GCSE.

The early release paper will be issued on 2nd January and will provide learners with a number of themes, each with a range of written and visual starting points.

A response should be based on these options.

Preparation time and the date supervised time period is set by the centre.