

Design and Technology

Qualification: GCSE

Equivalent to: 1 GCSE (grade 9-1)



GCSE Design and Technology will prepare students to participate confidently and successfully in an increasingly technological world. Students will gain awareness and learn from wider influences on Design and Technology including historical, social, cultural, environmental and economic factors. Students will get the opportunity to work creatively when designing and making and apply technical and practical expertise. Our GCSE allows students to study core technical and designing and making principles, including a broad range of design processes, materials techniques and equipment

Course Content

The course will cover theory as well as the practical aspects of Design and Technology. It covers a wide range of topics including wood, metal, plastics and fabric. How products are made in Industry, Production methods, Components used in products, how products are made and lots of new practical techniques. You will learn using a range of activities including focused practical testing and mini projects, and looking at the contexts in which we design.

For your final product you are likely to be able to use one resistant material or a combination of materials.

Assessment

Written exam: 2 hours

100 marks

50% of GCSE

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

100 marks

50% of GCSE

Who would enjoy and be successful on the course?

Students who have a keen interest in product design in its wider sense. Students who are keen to learn about the theory behind the products we use as well as those who enjoy making things.

If you are prepared to work hard, are prepared to have an interest in the subject, and are keen to learn about the theory as well as the practical side of technology, then this is the course for you.

Progression – Sixth Form / Further Education / Careers

Design and Technology is an ideal subject if you want to go into the design industry or you want to develop your practical skills or it is an area you just really enjoy.

Design and Technology also provides a great foundation for a variety of College courses.

Design and Technology with its wide variety of transferable skills supports a variety of different careers.