

Key Stage 4 (Years 10 & 11)

Year 10- Students will have **two** hours per week for their chosen option.

Year 11- Students will have **three** hours per week for their chosen option.

Subject Title	DESIGN AND TECHNOLOGY
Qualification	GCSE
Exam Board/Syllabus	EDEXCEL
Levels of Entry	One tier of assessment covering grades 9 – 1
Final Assessment	<p>Component 1 Written examination: 1 hour and 45 minutes 50% of the qualification (100 marks)</p> <p>The paper consists of two sections. Section A is assessed on the core content and Section B is assessed on the material category students have chosen.</p> <p>Component 2 Non-examined assessment 50% of the qualification (100 marks)</p> <p>Students will undertake a project based on a contextual challenge released by Edexcel a year before certification.</p>
Brief Syllabus details	The GCSE in Design and Technology enables students to understand and apply iterative design processes through which they explore, create and evaluate a range of outcomes. The qualification enables students to use creativity and imagination to design and make prototypes that solve real and relevant problems, considering their own and others' needs, wants and values.
What will I do in lessons?	Pupils realise focused practical tasks in order to develop their own personal skills and knowledge, leading to their own design and manufacture of the practical task. Written theoretical work is undertaken to support practical and design concepts.
Homework	Homework is set as an extension of the topics studied in class. In addition, it is vital element of the organisation of the practical element of class work and the non-examination assessment task. Homework is also essential for effective examination preparation and revision.
Ongoing Assessment	Regular dialogue and feedback will be provided throughout the course, informing students of their current attainment and targets for improvement.

Differentiation	GCSE Design and Technology is taught in mixed ability groups. Generally, all candidates attempt the same mini-project work in year 10; however, support or extension work is always available. The non-examination assessment task and final written examination are set by the examination board with performance criteria covering grades 9 – 1.
Extra-Curricular	Facilities are available by prior appointment with subject teacher for students to receive additional guidance, discuss their work, complete homework, organise assessment task or to prepare for the written examination
Qualities for Success	<p>An interest in problem-solving and creativity are a must. An ability to gather research independently is essential in order to prepare students for lessons.</p> <p>Good organisational skills are necessary in order to meet the requirement of the course.</p> <p>Students are required to apply knowledge from other disciplines, including mathematics, science, art and design, computing and humanities.</p> <p>In addition, a willingness to work hard in all aspects of the subject, accept advice and strive for personal development</p>
Beyond GCSE	<p>Students can progress from this qualification to:</p> <ul style="list-style-type: none"> ▪ GCEs, e.g. GCE A Level or AS in Design and Technology ▪ Level 3 vocational qualifications, e.g. the BTEC Level 3 qualifications in Engineering ▪ Employment, e.g. in a design- or technology-based industry where an Apprenticeship may be available. <p>Popular careers for people with design and technology qualifications include: product designer, architect, software engineer, civil engineer and carpenter.</p>