



Design Technology Department

Curriculum Overview - Year 11

The Big Picture:

The Design and Technology course is divided into two components. Component 1 is focussed on theory and it is called 'Design and Technology in the 21st Century', which culminates in written exam 50% of qualification. The second component is a design and make task called 'NEA' (non-exam assessment). Where pupils choose their own project based on the set contexts and carry out a 40 hour Iterative Design and Make task

AO1: Identify, investigate and outline design possibilities to address needs and wants

AO2: Design and make prototypes that are fit for purpose

AO3: Analyse and evaluate: · design decision and outcomes including for prototypes made by themselves and others · wider issues in design and technology

AO4: Demonstrate and apply knowledge and understanding of: · technical principles · designing and making principles

<p>Term 1: Theory Focus is 'Design and Technology and our world' NEA focus is 'Generating Ideas' GREEN TASKS Responding to own context with a range of creative ideas. Evaluating and reflecting ideas against specification. A mix of short and extended writing questions assessing knowledge and understanding. Exam practise</p>	<p>Term 4: Theory focus is Revision and preparation for the Exam NEA Focus is 'Evaluation' GREEN TASKS Evaluation and Client testing; Testing against the specification, Modifications in light of testing. A mix of short and extended writing questions assessing knowledge and understanding. Exam Practise</p>
<p>Term 2: Theory focus is 'Sustainability' NEA Focus is 'Developing design ideas' GREEN TASKS Development sketches, 3D development models and CAD, new iterations following analysis, working drawings. A mix of short and extended writing questions assessing knowledge and understanding. Exam practise</p>	<p>Term 5: Theory Focus is Revision and preparation for the Exam GREEN TASKS A mix of short and extended writing questions assessing knowledge and understanding. Exam practise</p>
<p>Term 3: Theory focus is on Materials NEA focus 'Realising design idea' GREEN TASKS Practical work, Manufacturing diary continuous research A mix of short and extended writing questions assessing knowledge and understanding. Exam practise.</p>	<p>Term 6:</p>