

# GCSE Design and Technology



## KS4 Curriculum Breakdown



### Year 11

<b>HT1</b>	NEA project (coursework) worth 50% of GCSE.  Encouraging a healthy lifestyle  Section A: Identifying & investigating design possibilities (10 marks)  Section B: Producing a design brief & Specification (10 marks)  Section C: Generating design ideas (20 marks)  Section D: Developing design ideas (20 marks)
<b>HT2</b>	Section C: Generating design ideas (20 marks)  Section D: Developing design ideas (20 marks)

	<p>Section E: Realising design ideas (20 marks)</p> <p>Section F: Analysing &amp; evaluating (20 marks)</p>
<b>HT3</b>	<p>NEA Project (coursework) work 50% of GCSE. Evaluations Improvements for marking and submission in half term 4.</p>
<b>HT4</b>	<p>Revision for Exam on May 24<sup>th</sup> 2019. HT5</p> <p>Design strategies, communication of design ideas, investigation of primary and secondary data, environmental, social and economic challenge, prototype development, selection of materials and components.</p> <p>Tolerances, material management, selection of materials and components, specialist tools and equipment, specialist techniques and processes, using and working with materials, surface treatments and finishes, scales of production.</p> <p>Specialist techniques and processes, surface treatments and finishes, forces and stresses, selection of materials and components, the work of others.</p> <p>Using and working with materials. Sources and origins, stock forms types and sizes, communication of ideas, scales of production. Investigation primary and secondary data, specialist techniques and processes, material management, tolerances.</p> <p>Assessment through Exam style questions.</p>
<b>HT5</b>	<p>Revision for Exam on May 24<sup>th</sup> 2019. HT5</p> <p>Mechanical devices, developments of new materials, materials and their working properties, selection of materials and components. Using and working with materials, communication of design ideas. Ecological and social footprint</p> <p>New Technologies with in industry and processes. Including ethical issues. Design strategies and communication ideas. Energy generation and storage.</p> <p>Plus, exam preparation techniques and revision of all key topics for exam on the 24<sup>th</sup> May 2019.</p> <p>Assessment through Exam style questions.</p>
<b>HT6</b>	