

# Design Technology Year 11 Curriculum Map

Pupils will have 5 lessons over two weeks. The lessons are split evenly between I Collings and K Nicol.

YEAR 7	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Curriculum Content</b>	<p><u>Composite – Final major project</u></p> <p><b>Component 1:</b> Research  <b>Component 2:</b> Product analysis  <b>Component 3:</b> Investigation  <b>Component 4:</b> Idea development  <b>Component 5:</b> Existing designers  <b>Component 6:</b> Idea exploration</p>	<p><u>Composite – Final major project</u></p> <p><b>Component 1:</b> 3D Modelling  <b>Component 2:</b> Further development  <b>Component 3:</b> Manufacture  <b>Component 4:</b> Evaluation  <b>Component 5:</b> Final product display</p>	<p><u>Composite – Externally set assignment preparation</u></p> <p>Pupils will be set an external assignment by the exam board in January. They will be expected to conduct their own research and preparation into the context given. They will complete their final personal response in the 10-hour exam in May.</p> <p><b>Component 1:</b> Research  <b>Component 2:</b> Product analysis  <b>Component 3:</b> Investigation</p>	<p><u>Composite – Externally set assignment preparation</u></p> <p>Pupils will continue to prepare for their externally set assignment.</p> <p><b>Component 4:</b> Idea development  <b>Component 5:</b> Existing designers  <b>Component 6:</b> Idea exploration  <b>Component 7:</b> Final design</p>	<p><u>Composite – Externally set assignment</u></p> <p>Pupils will complete their final personal response to their chosen externally set assignment.</p> <p>This will be completed over 10 hours in the DT room.</p>	<p><u>Completed course</u></p>
<b>Prior knowledge and skills (from previous year / key stage)</b>	<p>Year 10 knowledge of how to construct a successful project and portfolio            KS3 DT Curriculum knowledge            Health and safety in the workshop            Use of tools and machinery            Design skills            CAD skills</p>	<p>Year 10 knowledge of how to construct a successful project and portfolio            KS3 DT Curriculum knowledge            Health and safety in the workshop            Use of tools and machinery            Design skills            CAD skills</p>	<p>Year 10 knowledge of how to construct a successful project and portfolio            KS3 DT Curriculum knowledge            Health and safety in the workshop            Use of tools and machinery            Design skills            CAD skills</p>	<p>Year 10 knowledge of how to construct a successful project and portfolio            KS3 DT Curriculum knowledge            Health and safety in the workshop            Use of tools and machinery            Design skills            CAD skills</p>	<p>Year 10 knowledge of how to construct a successful project and portfolio            KS3 DT Curriculum knowledge            Health and safety in the workshop            Use of tools and machinery            Design skills            CAD skills</p>	
<b>Core Knowledge Organiser content</b>	<p>Designing from inspiration            Sketching skills            Aesthetics            Sketch up</p>	<p>Practical skills            Use of tools and machinery            Evaluation – ACCESS FM            3D modelling skills</p>	<p>How to conduct research into a set theme or brief            How to analyse existing products            How to form ideas for products</p>	<p>How to form ideas for products            Existing designers relevant to their own work            Producing a final design</p>		
<b>Assessment Objectives</b>	<p>AO1: Develop ideas through investigations, demonstrating critical understanding of sources.</p> <p>AO2: Refine work by exploring ideas, selecting and experimenting with appropriate media, materials, techniques and processes.</p> <p>AO3: Record ideas, observations and insights relevant to intentions as work progresses.</p> <p>AO4: Present a personal and meaningful response that realises intentions and demonstrates understanding of visual language.</p>	<p>AO1: Develop ideas through investigations, demonstrating critical understanding of sources.</p> <p>AO2: Refine work by exploring ideas, selecting and experimenting with appropriate media, materials, techniques and processes.</p> <p>AO3: Record ideas, observations and insights relevant to intentions as work progresses.</p> <p>AO4: Present a personal and meaningful response that realises intentions and demonstrates understanding of visual language.</p>	<p>AO1: Develop ideas through investigations, demonstrating critical understanding of sources.</p> <p>AO2: Refine work by exploring ideas, selecting and experimenting with appropriate media, materials, techniques and processes.</p> <p>AO3: Record ideas, observations and insights relevant to intentions as work progresses.</p>	<p>AO1: Develop ideas through investigations, demonstrating critical understanding of sources.</p> <p>AO2: Refine work by exploring ideas, selecting and experimenting with appropriate media, materials, techniques and processes.</p> <p>AO3: Record ideas, observations and insights relevant to intentions as work progresses.</p>	<p>AO4: Present a personal and meaningful response that realises intentions and demonstrates understanding of visual language.</p>	

Vocabulary / Key Subject Terminology	Inspiration Secondary source Primary source Isometric drawing Crating Presentation Aesthetics CAD Modelling Annotation	Research Inspiration Design movement Product analysis ACCESS FM Initial design ideas Development Annotation	Material choices Manufacture Evaluation Presentation	Research Inspiration Designer study Sketching Personal response Laser cutter 3D modelling Architectural model Evaluation	Iterative Research Inspiration Design movement Product analysis ACCESS FM Initial design ideas Development Annotation Material choices Manufacture Evaluation Presentation	
Assessment 1	Portfolio so far	Portfolio so far	Research so far	Final design	Final exam.	
Assessment 2	Whole school AP1 Task		AP2 - Whole school mock			
Cross Curricular Links with other Faculties	<u>Maths</u> – Measuring and marking out. Isometric drawing skills. 3D shapes. <u>Art</u> – Sketching and shading skills. <u>English</u> – Analysis and evaluation of products.	<u>Maths</u> – Measuring and marking out. Isometric drawing skills. 3D shapes. <u>Art</u> – Sketching and shading skills. <u>English</u> – Analysis and evaluation of products.	<u>Maths</u> – Measuring and marking out. Isometric drawing skills. 3D shapes. <u>Art</u> – Sketching and shading skills. <u>English</u> – Analysis and evaluation of products.	<u>Maths</u> – Measuring and marking out. Isometric drawing skills. 3D shapes. <u>Art</u> – Sketching and shading skills. <u>English</u> – Analysis and evaluation of products.	<u>Maths</u> – Measuring and marking out. Isometric drawing skills. 3D shapes. <u>Art</u> – Sketching and shading skills. <u>English</u> – Analysis and evaluation of products.	<u>Maths</u> – Measuring and marking out. Isometric drawing skills. 3D shapes. <u>Art</u> – Sketching and shading skills. <u>English</u> – Analysis and evaluation of products.
Extra-Curricular Offer						
Time Allocation	5 lessons over 2 weeks	5 lessons over 2 weeks	5 lessons over 2 weeks	5 lessons over 2 weeks	5 lessons over 2 weeks	