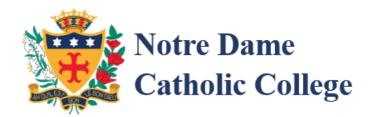
## Design Technology Year 11 Curriculum Map



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

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	Maths – Measuring and marking out. Isometric drawing skills. 3D shapes. Art – Sketching and shading skills. English – Analysis and evaluation of products.	Maths – Measuring and marking out. Isometric drawing skills. 3D shapes.  Art – Sketching and shading skills.  English – Analysis and evaluation of products.	Maths – Measuring and marking out. Isometric drawing skills. 3D shapes. Art – Sketching and shading skills. English – Analysis and evaluation of products.	Maths – Measuring and marking out. Isometric drawing skills. 3D shapes.  Art – Sketching and shading skills.  English – Analysis and evaluation of products.	Maths – Measuring and marking out. Isometric drawing skills. 3D shapes. Art – Sketching and shading skills. English – Analysis and evaluation of products.	Maths – Measuring and marking out. Isometric drawing skills. 3D shapes.  Art – Sketching and shading skills.  English – 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	