Subject						
	Autumn 1	Autumn 2	Spring 3	Spring 4	Summer 5	Summer 6
	Design and Technology Design Develop – Use specialist knowledge to	Design and Technology Manufacture – Use specialist tools and	Design and Technology Core – Develop a core body of knowledge of	Design and Technology Designing within the chosen specialist area.	Design and Technology Designing within the chosen specialist area.	Design and Technology NEA – Responding to Live Assessment
	design a range of outcomes	equipment to realise a practical outcome	Design and Technology	Reinforcing and stiffening.	Reinforcing and stiffening.	released by the exam board 1st June.
Year 10	CNAT Engineering R039 <u>Preparation</u> – Knowledge: Materials, Processes, Drawing Standards, Presentation Techniques	CNAT Engineering R039 – Response to Live Assessment Material	CNAT Engineering R039 – Response to Live Assessment Material R038 Preparation Topic Areas 3 - Communicating Design Outcomes	CNAT Engineering R038 Preparation: Topic Area 2 – Design Requirements R038 Preparation Topic Area 2 – Design Requirements Topic Areas 3 - Communicating Design Outcomes Topic Areas 4 – Evaluating Design Ideas	CNAT Engineering R040 Preparation – Product Analysis Product Disassembly Modelling R038 Preparation Topic Areas 2 – Design Requirements R038 Preparation Topic Areas 4 – Evaluating Design Ideas	CNAT Engineering R040 <u>Preparation</u> – Product Analysis Product Disassembly Modelling
	Assessment		Assessment		Assessment	
	Design and Technology AFL		Design and Technology AFL		Design and Technology AFL	

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	<ul> <li>Socrative Assessments focusing on knowledge acquisition</li> <li>2 Summative Assessments:</li> <li>First is 1-2 hours on presenting designing/developing.</li> <li>Second is a means to document practical outcomes.</li> </ul>		Socrative Assessments to test learnt knowledge Summative Assessment on design outcomes		Socrative Assessments to test learnt knowledge Summative Assessment on practical outcomes	
	CNAT Engineering AFL 1 Summative Assessment on presentation techniques		CNAT Engineering AFL Socrative Testing 1 Summative Assessment on product disassembly		CNAT Engineering AFL Socrative Testing 1 Summative Assessment on modelling methods	
	Design and Technology NEA	Design and Technology NEA	Design and Technology NEA	Design and Technology NEA	Design and Technology NEA administration Revision of specialist areas	
Year 11	CNAT Engineering R040 – Preparation: ACCESSFM, evaluation matrices, Production Planning, Risk Assessment R040 – Response to Live Assessment Material	<u>CNAT Engineering</u> R040 – Response to Live Assessment Material R038 – Preparation Topic Area 1 – Design Processes	CNAT Engineering R038 Preparation: Topic Area 2 – Design Requirements Topic Areas 3 - Communicating Design Outcomes	<u>CNAT Engineering</u> R038 Preparation: Topic Areas 4 – Evaluating Design Ideas	<u>CNAT Engineering</u> Student led revision	
	Design and Technology Assessment AFL in line with exam board requirements CNAT Engineering AFL 1 Summative Assessment on research methods		Design and Technology Assessment Socrative Assessments CNAT Engineering AFL 1 Summative Assessment on design requirements		Design and Technology Assessment Socrative Assessments CNAT Engineering AFL	

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Indicative Design and Technology NEA Coverage – (due to the iterative nature of the NEA, some topic areas may be approached at different times).

#### Year 10 Summer 6 –

1.1 Investigation of needs and research1.2 Product specification2.1 Design ideas

Year 11 Autumn 1 –

2.1 Design ideas2.2 Review of initial ideas2.3 Development of design ideas into a chosen design2.4 Communication of design ideas

#### Year 11 Autumn 2 –

2.3 Development of design ideas into a chosen design2.4 Communication of design ideas2.5 Review of chosen design

### Year 11 Spring 3 –

2.5 Review of chosen design3.1 Manufacture3.2 Quality and accuracy

### Year 11 Spring 4 –

4.1 Testing and evaluation