

SUBJECT	GCSE Design Technology		YEAR	11
<p>Why do we study Innovations - Design Technology? The curriculum in this subject provides students with the knowledge to think creatively in order to solve problems to meet the needs of society and the wider world.</p>				
What you have learned before	What you will learn this year	Where you can read more		
Create				
<ul style="list-style-type: none"> • Communication - drawing techniques • Computer Aided Design (CAD) modelling • Design challenges • Using and working with specialist materials – card, timber, polymers • Mobile phone holder 	<p>NEA - Section C and D –</p> <ul style="list-style-type: none"> • develop creative designs avoiding fixation. • Experiment with 2d/3d drawing methods • Use CAD and physical modelling – fully annotate designs • Include user feedback <p>NEA – Section E</p> <ul style="list-style-type: none"> • Make an accurate prototype using appropriate specialist tools, equipment, materials and processes. Apply a suitable surface finish. • Evidence your making skills. • Fully test the prototype including user testing 	<p>https://www.technologystudent.com/despro_flsh/mobapp2.html</p> <p>Mobile App for DT</p> <p>AQA GCSE (9-1) Design and Technology: Timber, Metal-Based Materials and Polymers - Hodder</p>		
Evaluate				
<ul style="list-style-type: none"> • Evaluation as part of the iterative cycle • Annotations on designs • Consider the views of others 	<p>NEA – Section F.</p> <ul style="list-style-type: none"> • Analyse and evaluate throughout the design and make process. • Evaluate against the specification and modify your prototype 	<p>https://www.bbc.co.uk/bitesize/guides/zsnwj6f/revision/3</p>		
Investigate				
<p>Maths and Science application</p> <p>Core technical principles: Section A Exam</p> <ul style="list-style-type: none"> • new and emerging technologies • energy generation and storage • developments in new materials • systems approach to designing • mechanical devices • materials and their working properties. <p>Specialist Technical Principles: Section B Exam</p> <p>Working with specialist materials</p> <p>Design and make principles: Section C Exam</p> <p>Specialist techniques, processes, tools, equipment.</p>	<p>NEA – Section A and B</p> <ul style="list-style-type: none"> • Investigation into the exam board context – • Write a detailed Design Brief and Specification. • The specification must be measurable • Maths and Science application in NEA and exam <p>Written exam</p> <p>Paper 1 preparation.</p> <p>Section A – Core technical principles. A mixture of multiple choice and short answer questions</p> <p>Section B – Specialist technical principles. Short answer questions (2–5 marks) and one extended response</p> <p>Section C – Designing and making principles. Short answer and extended response questions.</p>	<ul style="list-style-type: none"> • AQA GCSE (9-1) Design and Technology: Timber, Metal-Based Materials and Polymers - Hodder • My revision notes – AQA GCSE Design Technology – Timbers, Metals and Polymers - Hodder <p>https://www.technologystudent.com/despro_flsh/mobapp2.html</p>		

