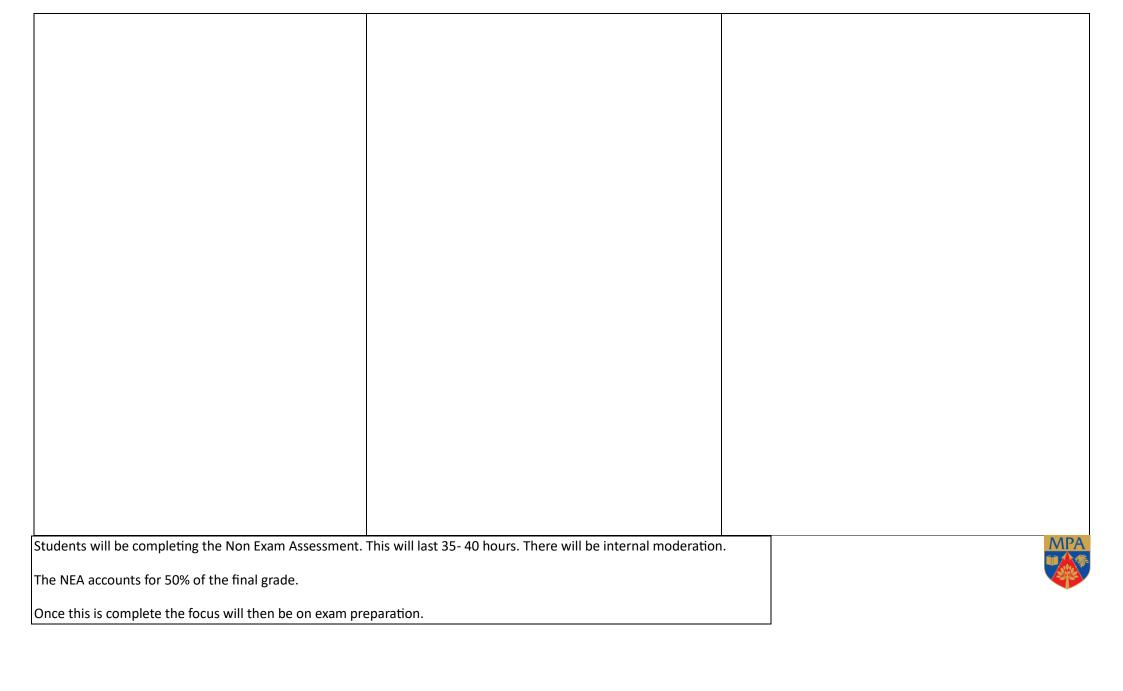


## Marshalls Park Academy - Curriculum Overview

Subject: Design and Technology Year Group: 11

TERM 1	TERM 2	TERM 3
<ul> <li>KNOWLEDGE/SKILLS</li> <li>By analysing the contextual challenge students will identify design possibilities, investigate client needs and wants and factors including economic and social challenges.</li> <li>Encouraged to investigate throughout their project to help inform decisions.</li> <li>outline design possibilities by producing a design brief and design specification. Students should review both throughout the project.</li> <li>Students should explore a range of possible ideas linking to the contextual challenge selected.</li> <li>Start to draw out design ideas</li> <li>Students will develop and refine design ideas. This may include, formal and informal 2D/3D drawing including CAD, systems and schematic diagrams, models and schedules.</li> <li>Students will develop at least one model.</li> <li>Students will also select suitable materials and components communicating their decisions throughout the development process.</li> <li>appropriate methods, such as measured drawings, control programs, circuit diagrams, patterns.</li> </ul>	Exam preparation	Exam preparation.  Section A – Core technical principles (20 marks) A mixture of multiple choice and short answer questions assessing a breadth of technical knowledge and understanding.  Section B – Specialist technical principles (30 marks)  Several short answer questions (2–5 marks) and one extended response to assess a more in depth knowledge of technical principles.  Section C – Designing and making principles (50 marks)  A mixture of short answer and extended response questions.  • This will include revision on specialist areas. • Students will go through how to effectively answer questions in the paper. • Core technical principles • Specialist technical principles • Specialist technical principles





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KEY ASSESSMENTS	HALF TERM 1 KEY ASSESSMENTS	HALF TERM 1 KEY ASSESSMENTS	
HALF TERM 1			
	HALF TERM 2	HALF TERM 2	
HALF TERM 2			
Extended reading suggestions and links to external resources.			
Extended reading suggestions and links to external resources:			