

Curriculum Intent:

Design and Technology is an inspiring, rigorous and practical subject. Through design technology, we encourage students to learn to think and intervene creatively to solve problems both as individuals and as members of a team. At Burnage Academy for Boys we provide students with the opportunities to design and make products with a purpose in mind. We encourage creativity supporting students to go beyond the classroom creating responsible consumers, and successful innovative designers and engineers of tomorrow. We aim to develop happy, creative and successful learners that can change the ever-developing Design and Technology landscapes, such as product design, engineering, furniture design and sustainable futures, preparing them for A-Level, level 3 BTECs or apprenticeships

Year 10	HT1	HT2	HT3	HT4	HT5	HT6
Content, Knowledge & Skills	Mini Project 1 <i>Game Controller</i> <ul style="list-style-type: none"> • Sketching Skills • Isometric/Oblique/3 Part Render • Modelling/CAD skills • Planning • Sustainability • Quality Assurance/Quality Control • Making & Finishing Skills • Testing & Evaluating 	Mini Project 2 <i>Memphis Clock</i> <ul style="list-style-type: none"> • Design Brief • Customer Profile • Product Analysis • Specification • Materials/Processes Tools • Making & Finishing Skills 	Mini Project 3 <i>Designer Chair</i> <ul style="list-style-type: none"> • Designing in the style of... • Modelling/CAD skills • Materials/Processes & Tools • Making & Finishing Skills • Testing & Evaluating 	Mock Exam Preparation <ul style="list-style-type: none"> • Core Technical Principles • Specialist Technical Principles • Designing & making Principles 	C/W Walk-through <i>'A Major Sporting Event'</i> <ul style="list-style-type: none"> • Identifying & investigating design possibilities • Producing a design brief & specification • Generating design ideas • Developing design ideas • Analysing & evaluating 	AQA GCSE Controlled Assessment Task <ul style="list-style-type: none"> • Identifying & investigating design possibilities • Producing a design brief & specification
Purpose / potential links to KS4 & future steps	To understand the required GCSE NEA areas of section C/D/F	To understand the required GCSE NEA areas of section A/B/E	To understand the required GCSE NEA areas of section A/B/E	To understand the three main question sections of GCSE DT exam paper.	To understand the required GCSE NEA areas of section A/B/C/D/F	Section A/B GCSE NEA.
Key Vocabulary	<ul style="list-style-type: none"> • Isometric/Oblique • Quality Assurance/Quality Control 	<ul style="list-style-type: none"> • Product Analysis • Specification 	<ul style="list-style-type: none"> • Testing & Evaluating 	<ul style="list-style-type: none"> • Technical Principles 	<ul style="list-style-type: none"> • Identifying & investigating design possibilities 	

Assessment	Completed mini project focusing on specific sections of the DT NEA.	Completed mini project focusing on specific sections of the DT NEA.	Completed mini project focusing on specific sections of the DT NEA.	Mock Exam.	Completed mini project focusing on all sections of the DT NEA.	GCSE NEA.
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Year 11	HT1	HT2	HT3	HT4	HT5	HT6
Content, Knowledge & Skills	<p>AQA GCSE Controlled Assessment Task</p> <p><i>Section C</i></p> <p><i>Generating design ideas</i></p>	<p>AQA GCSE Controlled Assessment Task</p> <p><i>Section D</i></p> <p><i>Developing design ideas</i></p>	<p>AQA GCSE Controlled Assessment Task</p> <p>January Mock Exam</p> <ul style="list-style-type: none"> • <i>Core Technical Principles</i> • <i>Specialist Technical Principles</i> • <i>Designing & making Principles</i> <p><i>Section E</i></p> <p><i>Realising design ideas</i></p>	<p>AQA GCSE Controlled Assessment Task</p> <p><i>Sections E/F</i></p> <p><i>Realising design ideas/Analysing & evaluating</i></p>	<p>Summer Exam Preparation</p> <ul style="list-style-type: none"> • <i>Core Technical Principles</i> • <i>Specialist Technical Principles</i> • <i>Designing & making Principles</i> 	
Purpose / potential links to KS4 & future steps	Section C GCSE NEA.	Section D GCSE NEA.	<p>To develop understanding of the three main question sections of GCSE DT exam paper.</p> <p>Section E GCSE NEA.</p>	Section E/F GCSE NEA.	Exam revision.	
Key Vocabulary						

Assessment	GCSE NEA.	GCSE NEA.	GCSE NEA.	GCSE NEA.	GCSE Exam	
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