## **CURRICULUM MAP-Year 7 Book End**

Resistant Materials: Students will develop a knowledge of a range of materials and have the opportunity to work with them to produce a selection of practical outcomes. They will learn about specific manufacturing tools and processes as well as developing specific technological drawing techniques.



							EOR Assessment Point
						Rotation Weeks 9 and 10 19 28 and 29 38 and 39	Practical Assessment Key Disciplinary Knowledge  Health and safety Cutting techniques
				Rotation Weeks:	Assessment Point:	Overarching unit	Shaping techniques
				7 and 8	Summative or AFL	intent:	Joining techniques Finishing techniques
				17 and 18		POLYMERS PRACTICAL	Hand tools
				26 and 27			Fixed equipment
			Detetion Wester	36 and 37	Desire Assessment	Students will learn practical information	Portable power tools
			Rotation Weeks: 5 and 6	Overarching unit intent:	Design Assessment	around the key topics	Manufacture
			15 and 16	DRAWING	Key disciplinary	of:	
			24 and 25	TECHNIQUES	knowledge	•Polymers	<u>Key Concepts</u>
			34 and 35		Isometric perspective		
	Rotation Weeks:	Assessment Point:	Overarching unit	Students will learn	Colour rendering	Students will:	Students will be assessed
	3 and 4	Summative or AFL	<u>intent:</u>	theoretical and	Annotation	• In practical sessions,	on their ability to
	13 and 14 22 and 23		POLYMERS THEORY	practical information around the key topics	Key Concepts	develop skills, techniques and	demonstrate the correct
	32 and 33		Students will learn	of:	Students will be	processes in relation to	health and safety
Rotation Weeks:	Overarching unit	Literacy Assessment	theoretical information	Drawing in isometric	assessed on the	working with polymer	throughout the entirety of
1 and 2	intent:		around the key topics	and perspective.	presentation of their	based materials.	their project, demonstrate the correct and confident
11 and 12	TIMBER PRACTICAL	Key disciplinary	of:		work, their creativity	• In practical sessions,	use of tools and
20 and 21		<u>knowledge</u>	•Polymers	Details of basic	and innovation, their	develop their ability to	eguipment and use a
30 and 31	Students will learn	Hardwood		drawing	use of technical	use specialist technical equipment.	range of techniques and
Overarching unit	practical information	Softwood  Manufactured Board	Know the primary	equipment.  • How to draw in	drawing skills (isometric), colour	• In practical sessions,	processes to cut, shape,
intent: TIMBER THEORY	around the key topics of:	Manufactured Board Properties	sources of materials for	isometric	rendering and the	develop their	join and finish timber and
THEORY	•Timbers – joints	Tenon Saw	producing	130metric	quality of their	understanding of	plastic materials.
Students will learn	, , , , , , , , , , , , , , , , , , , ,	Vice	polymers.	Students will:	annotation.	health and safety and	
theoretical information	Students will:	Lap Joint	Be able to	• In practical sessions,		specific regulations for	
around the key topics	• In practical sessions,	Air/ Kiln Seasoning	recognise and	develop skills,		working with tools and	
of:	develop skills,	Adhesive	characterise	techniques and		<ul><li>equipment</li><li>Through practical</li></ul>	
•Timbers	techniques and processes in relation to	Key Concepts	different types of	processes in relation to drawing.		sessions,	
Know the primary	working with timber	Students will be	<ul><li>polymers.</li><li>Understand how</li></ul>	In practical sessions,		independently build	
sources of	based materials.	assessed on the correct	the physical and	develop their ability to		their confidence and	
materials for	• In practical sessions,	spelling and their	working properties	use specialist technical		resilience levels as they	
producing natural	develop their ability to	understanding of key	of a range of	equipment.		work with specific	
and manufactured	use specialist technical	vocabulary.	polymers affect			materials.	
timbers.	equipment.		their performance.				

## **CURRICULUM MAP-Year 7 Book End**

Resistant Materials: Students will develop a knowledge of a range of materials and have the opportunity to work with them to produce a selection of practical outcomes. They will learn about specific manufacturing tools and processes as well as developing specific technological drawing techniques.



•	Be able to	• In practical sessions,			
	recognise and	develop their	Students will use a		
	characterise	understanding of	range of reading		
	different types of	health and safety and	strategies:		
	natural and	specific regulations for	Breakdown		
	manufactured	working with tools and	information		
	timbers.	equipment	Visualisation		
•	Understand how	Through practical	Learning new		
	the physical and	sessions,	vocabulary		
	working properties	independently build	Prediction		
	of a range of	their confidence and	• Infer		
	natural and	resilience levels as they	• Form opinions		
	manufactured	work with specific	· com opinions		
	timbers affect their	materials.	Writing skills will be		
	performance.	materials	developed in lesson		
	performance.		and through home		
Stu	dents will use a		learning and		
	ge of reading		assessment tasks.		
	itegies:		assessment tasks.		
	reakdown		Students will be given		
	ormation		opportunities to		
	isualisation		complete a range of		
	earning new		focused extended		
	abulary		writing tasks as well as		
	rediction		opportunities to		
• In			develop oracy via		
	orm opinions		discussions and debate.		
• 10	orin opinions		discussions and debate.		
\A/#i	ting skills will be				
	eloped in lesson				
	through home				
	rning and				
	essment tasks.				
asse	essilient tasks.				
Stu	dents will be given				
	ortunities to				
	nplete a range of				
	used extended				
	ting tasks as well as				
	ortunities to				
	elop oracy via				
	cussions and				
aeb	ate.				

## **CURRICULUM MAP-Year 7 Book End**

Resistant Materials: Students will develop a knowledge of a range of materials and have the opportunity to work with them to produce a selection of practical outcomes. They will learn about specific manufacturing tools and processes as well as developing specific technological drawing techniques.



