

National curriculum or specification coverage

Design, Make, Evaluate, Technical Knowledge and Problem Solving, alongside practical skills, materials, CAD/CAM and communication

- Research and explore products, users and design needs.
- Design and develop ideas using design criteria and briefs.
- Communicate designs through sketches, isometric and perspective drawing, annotation and CAD.
- Select and use materials and components based on their properties and purpose.
- Develop practical skills using tools, equipment and manufacturing techniques safely.
- Apply technical knowledge of materials, structures, joining and CAD/CAM.
- Make and manufacture high-quality functional products.
- Test, evaluate and improve designs and practical outcomes.
- Understand health and safety within a workshop environment.

Date	Exams/ Assessments	Learning Intentions	Core Task/Assessments
31/08/26		• Understand the Design & Technology design process and analyse a design task. • Analyse existing products, their purpose, users, materials and construction. • Develop workshop safety, tool skills and knowledge of timber categories. • Learn to measure, mark out, cut and shape timber accurately. • Explore materials, components and joining techniques. • Develop design ideas using mood boards, sketches and design criteria. • Communicate ideas using isometric drawing.	Task Analysis
07/09/26			
14/09/26			Product Analysis
21/09/26			
28/09/26			
05/10/26			Isometric Drawing
12/10/26			
19/10/26			
26/10/26		HALF TERM	
02/11/26		• Develop practical making and workshop skills. • Improve accuracy in measuring, marking and joining. • Use tools and equipment safely and effectively. • Develop basic CAD skills.	
09/11/26			
16/11/26	Y7		
23/11/26	Y7		

Year 7 Long Term Scheme of Learning 2026-2027

Subject: Design and Technology

30/11/26			
07/12/26			
14/12/26			
21/12/26	CHRISTMAS HOLIDAY		
28/12/26			
04/01/27		- Develop practical making skills. - Develop tool and equipment knowledge. - Understand and apply health and safety. - Reflect on and improve practical work. - Develop drawing and communication skills.	Practical Development
11/01/27			
18/01/27			
25/01/27			
01/02/27			
08/02/27			
15/02/27	HALF TERM		
22/02/27		- Develop perspective and isometric drawing skills. - Use tone, shading and rendering to communicate form. - Develop accurate technical drawing skills. - Understand and use CAD/CAM tools.	CAD Skills Builder
01/03/27			
08/03/27			
15/03/27			
22/03/27			
29/03/27	SPRING BREAK		
05/04/27			
12/04/27		- Develop IT and presentation skills using PowerPoint. - Further develop skills using CAD software and tools. - Apply CAD skills to acrylic design a phone stand. - Develop design, problem-solving and communication skills.	Written progress test
19/04/27			
26/04/27			
03/05/27			
10/05/27			
17/05/27	Y7		
24/05/27	Y7		
31/05/27	HALF TERM		
07/06/27		- Develop a broader range of workshop skills and techniques. - Apply accurate making and finishing techniques. - Develop knowledge of polymers, their properties and uses. - Apply material knowledge to practical design and manufacture.	
14/06/27			
21/06/27			
28/06/27			
05/07/27			
12/07/27			

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Achieving Success
Valuing Others

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