

# KS3 Design and Technology Curriculum 2025-2026

Class Group	Autumn Term		Spring Term		Summer Term	
	First half	Second half	First half	Second half	First half	Second half
<b>Year 7</b>	Introduction to Health & safety in D&T workshop. Wooden boat toy model – introduction to woodwork tools and machines for timber wasting.		Timber & its properties. Introduction to CAD. Wooden puzzle game – preparing, cutting, constructing, surface finishing & evaluating. Wooden coaster – CAD for laser burn.		Manufactured boards & its properties. Plywood keyring. Sweet dispenser – introduction to technical drawing, measuring, marking, cutting, assembling.	
	Year 9	Year 8		Year 9	Year 8	
<b>Year 8/9 ROTA</b>	Metal & its properties. Metal keyring - CAD skills, pewter casting, polishing & evaluating.	Wooden puzzle game Plastics polymer & its properties. Phone holders stand, using acrylic sheet (thermoforming plastic) and hot wire strip heater. CAD for digitising.		Recap plastics polymer & its properties. Clock – research on designers, product analysis, design, CAD for laser cut, assembling, evaluating.	Basic electric circuits. Movable car with motor and its body. Develop technical drawings. Basic electric circuits. Movable car with motor and its body. Develop technical drawings.	