

Year 9 Curriculum Overview (2026-2027)

Subject: Design and Technology

Pop Art Lamp

Autumn Term	Knowledge & Understanding			Opportunity for Literacy Skills	Employability Skills	Assessment Opportunity
	Composites	Components	Formal Retrieval			
	• Understand the Pop Art movement and how designers use colour, pattern and imagery. • Investigate the work of influential Pop Art artists and designers. • Understand how aesthetics and function are combined in product design.	• Understand the properties and uses of acrylic as a thermoplastic. • Develop CAD/CAM skills to design and manufacture lamp components using a laser cutter. • Understand basic electronic components including LEDs, resistors, switches and battery packs, and safely wire a simple LED circuit.	• Recall key vocabulary: Pop Art, acrylic, thermoplastic, CAD, CAM, laser cutter, LED, resistor, circuit, prototype, finishing. • Understand how CAD/CAM and electronics are integrated into product manufacture.	• Use key D&T and art vocabulary accurately. • Create mood boards and annotated design ideas. • Follow written instructions and manufacturing processes. • Explain design and manufacturing decisions. • Retrieval activities using technical vocabulary. • Write evaluations	• Creativity and innovation. • Problem-solving. • Practical manufacturing skills. • Organisation and time management. • Digital literacy and technological understanding. • Self-evaluation and reflection.	• Plenary quizzes and questioning. • Assessment of research activities. • Assessment of making and assembly skills. • Teacher feedback during practical work. • Retrieval quizzes. • Assessment of designing, making and evaluating outcomes.

