

Key Stage 3 Design Technology

Intent	Implementation	Impact
Year 7: Introduce practical skills and subject knowledge through hands-on projects. Focus on workshop safety, basic tool use, and confidence-building. Year 8: Develop creative design thinking and introduce a wider range of materials and processes. Increase challenge and complexity to prepare for GCSE-level expectations. Year 9: Provide a compact experience of GCSE DT, encouraging independent design and manufacturing. Emphasize creativity, problem-solving, and deeper exploration of design principles.	Year 7: - Projects: Desk Buddy, Puzzle Game - Skills: Hand tools, joints, sanding, measuring - Learning: WAGOLL examples, peer assessment, independent working, literacy/numeracy integration - Homework: Material properties, tool/process revision via technologystudent.com Year 8: - Projects: Memphis Design, Pewter Casting - Skills: Casting, plastic forming, scroll saw, brazing, line bending - Learning: Brief exploration, live marking, LORIC integration, independence through structured resources - Homework: Material sourcing, environmental impact, ethical design Year 9: - Project: Desktop Product Design - Skills: CAD/CAM, laser cutting, mechanical joints, adhesives, surface finishes - Learning: Design briefs, planning, resilience through failure, research and investigation tasks - Assessment: Live marking, quizzes, skill demonstrations, data tracking for intervention	Year 7: Students can safely use tools and assess their own work. They build foundational skills for more complex projects in Year 8. Year 8: Students refine technical skills and vocabulary, preparing for open-ended design tasks in Year 9. Year 9: Students are ready for GCSE DT, capable of independent design and manufacturing, and confident in making informed decisions about materials and processes.

Assessment
1. Purple page assessment recording. 2. Live marking in lessons to inform next steps and drive progress. 3. KS3 exams planned into year calendar. 4. “Working towards”, “Expected Standard”, “Greater Depth”