

National curriculum standards KS3	Lesson 1	Lesson 2	Lesson 3	Lesson 4+5	Lesson 6	Lesson 7 Assessment
Aims						
Develop the creative, technical and practical expertise needed to perform everyday tasks confidently and to participate successfully in an increasingly technological world	✓	✓	✓	✓	✓	
Build and apply a repertoire of knowledge, understanding and skills in order to design and make high-quality prototypes and products for a wide range of users	✓	✓	✓	✓	✓	
Design						
Identify and solve their own design problems and understand how to reformulate problems given to them				✓		
Develop and communicate design ideas using annotated sketches, detailed plans, 3-D and mathematical modelling, oral and digital presentations and computer-based tools			✓	✓		
Make						
Select from and use specialist tools, techniques, processes, equipment and machinery			✓	✓	✓	
Evaluate						
Investigate new and emerging technologies	✓	✓			✓	
Understand developments in design and technology, its impact on individuals, society and the environment, and the responsibilities of designers, engineers and technologists	✓				✓	
Technical Knowledge						
Understand and use the properties of materials and the performance of structural elements to achieve functioning solutions					✓	