



National Curriculum Coverage

Key Stage 1

National Curriculum Objectives	Year 1						Year 2					
	A1	A2	Sp1	Sp2	S1	S2	A1	A2	Sp1	Sp2	S1	S2
Design: Design purposeful, functional, appealing products for themselves and other users based on design criteria		Xmas Toy						Toys				Puppets
Design: Generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology		Xmas Toy						Toys		Fire		Puppets
Make: Select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing]		Xmas Toy	Stories					Toys		Fire		Puppets
Make: Select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics		Xmas Toy	Stories					Toys				Puppets
Evaluate: Explore and evaluate a range of existing products		Xmas Toy						Toys				Puppets
Evaluate: Evaluate their ideas and products against design criteria		Xmas Toy						Toys				Puppets
Technical knowledge: Build structures, exploring how they can be made stronger, stiffer and more stable			Stories					Toys		Fire		
Technical: Explore and use mechanisms [for example, levers, sliders, wheels and axles], in their products.		Xmas Toy						Toys				
Cooking Nutrition: Use the basic principles of a healthy and varied diet to prepare dishes								Cooking		Cooking		
Cooking Nutrition: Understand where food comes from.								Cooking		Cooking		

Key Stage 2

National Curriculum Objectives	Year 3						Year 4						Year 5						Year 6						
	A1	A2	Sp1	Sp2	S1	S2	A1	A2	Sp1	Sp2	S1	S2	A1	A2	Sp1	Sp2	S1	S2	A1	A2	Sp1	Sp2	S1	S2	
Design: Use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups		Structures		Glass cases				Pneumatics	Rock band	Biscuits				Maya							Earthquakes	Mechanisms	Sewing		
Design: Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design		Structures		Glass cases				Pneumatics	Rock band					Maya							Earthquakes	Mechanisms	Sewing		
Make: Select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately		Structures		Glass cases				Pneumatics	Rock band					Maya				Textiles			Earthquakes	Mechanisms	Sewing		
Make: Select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities		Structures		Glass cases				Pneumatics	Rock band	Biscuits				Maya				Textiles			Earthquakes	Mechanisms	Sewing		
Evaluate: Investigate and analyse a range of existing products		Structures						Pneumatics	Rock band	Biscuits				Maya							Earthquakes	Mechanisms			
Evaluate: Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work		Structures						Pneumatics	Rock band	Biscuits				Maya							Earthquakes	Mechanisms			
Evaluate: Understand how key events and individuals in design and technology have helped shape the world		Structures						Pneumatics	Rock band					Maya							Earthquakes	Mechanisms			
Technical knowledge: Apply their understanding of how to strengthen, stiffen and reinforce more complex structures		Structures						Pneumatics	Rock band					Maya							Earthquakes				
Technical knowledge: Understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages]								Pneumatics														Mechanisms			
Technical knowledge: Understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors].									Electric												Earthquakes				
Technical knowledge: Apply their understanding of computing to program, monitor and control their products.									Rock band									Textiles							
Cooking and Nutrition: Understand and apply the principles of a healthy and varied diet					Food					Biscuits				Food			Food						Ratioing		
Cooking and Nutrition: Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques					Food					Biscuits				Food			Food						Ratioing		
Cooking and Nutrition: Understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed					Food					Biscuits				Food			Food						Ratioing		