



## WP Curriculum Map – Design and Technology

	Autumn	Spring	Summer
Year R	Fantastic Fairytales	Amazing Animals	Helpful Heroes
Year 1/2 Cycle A	Community Heroes	Shiver and Sizzle	Oh I do like to be beside the...
Year 1/2 Cycle B	Who Lives Here?	Spring has Sprung	Back in time for...
Year 3/4 Cycle A	Raging Rivers and Marvellous Mountains	The Roman Empire	Groovy Greeks
Year 3/4 Cycle B	Ancient Ancestors (Stone Age to Iron Age)	We're Sailing down the Nile (Ancient Egypt)	Our World
Year 5/6 Cycle A	We'll Meet Again (WWII links with Coolham airfield and Battle of Britain)	Rulers of the Rainforest (Ancient Mayan Civilization and rainforests)	Vikings (Life and Legend)
Year 5/6 Cycle B	Wonders of the Universe	Super Settlers (Anglo Saxons and Scots)	Friends And Heroes (Quakerism and Democracy) A local History Study

**Key Stage 1**

Year 1 & 2 Cycle A Topic	Community Heroes	Shiver and Sizzle	Oh I do I like to be beside the...
	Fire Engines	Perfect Pizza	Puppets
National Curriculum P of S	Design purposeful, functional, appealing products for themselves and other users based on design criteria	Design purposeful, functional, appealing products for themselves and other users based on design criteria	Design purposeful, functional, appealing products for themselves and other users based on design criteria
	<p>Generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology</p> <p>Select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing</p> <p>Select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics</p> <p>Explore and evaluate a range of existing products evaluate their ideas and products against design criteria</p> <p>Evaluate their ideas and products against design criteria</p>	<p>Generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology</p> <p>Select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing</p> <p>Select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics</p> <p>Explore and evaluate a range of existing products evaluate their ideas and products against design criteria</p> <p>Evaluate their ideas and products against design criteria</p> <p>Use the basic principles of a healthy and varied diet to prepare dishes</p> <p>Understand where food comes from</p>	<p>Generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology</p> <p>Select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing</p> <p>Select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics</p> <p>Explore and evaluate a range of existing products evaluate their ideas and products against design criteria</p> <p>Evaluate their ideas and products against design criteria</p>

Year 1 & 2 Cycle B Topic	Who Lives Here?	Spring has Sprung	Back in time for...
	Build a castle with a drawbridge	Moving Minibeasts	Eat more fruit and veg!
National Curriculum P of S	<p>Design purposeful, functional, appealing products for themselves and other users based on design criteria</p> <p>Generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology</p> <p>Explore and evaluate a range of existing products evaluate their ideas and products against design criteria</p> <p>Evaluate their ideas and products against design criteria</p>	<p>Design purposeful, functional, appealing products for themselves and other users based on design criteria</p> <p>Generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology</p> <p>Select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing]</p> <p>Select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics</p> <p>Explore and evaluate a range of existing products evaluate their ideas and products against design criteria</p> <p>Evaluate their ideas and products against design criteria</p> <p>Explore and use mechanisms [for example, levers, sliders, wheels and axles], in their products</p>	<p>Design purposeful, functional, appealing products for themselves and other users based on design criteria</p> <p>Generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology</p> <p>Select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing]</p> <p>Select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics</p> <p>Explore and evaluate a range of existing products</p> <p>Use the basic principles of a healthy and varied diet to prepare dishes</p> <p>Understand where food comes from</p>

Key Stage 2:

Year 3/4 Cycle A	Raging Rivers and Marvellous Mountains	The Roman Empire	Groovy Greeks
	Storybooks	British Inventors	Seasonal Food
National Curriculum P of S	<p>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</p> <p>Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design</p> <p>Select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately</p> <p>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</p> <p>Investigate and analyse a range of existing products</p> <p>Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work</p> <p>Understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages]</p>	<p>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</p> <p>Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design</p> <p>Understand how key events and individuals in design and technology have helped shape the world</p> <p>Apply their understanding of how to strengthen, stiffen and reinforce more complex structures</p>	<p>Understand and apply the principles of a healthy and varied diet</p> <p>Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques</p> <p>Understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed</p>

Year 3/4 Cycle B Projects	Ancient Ancestors (Stone Age to Iron Age)	We're Sailing down the Nile (Ancient Egypt)	Our World
	Seasonal Stockings	Picture Frame	Making Mini Greenhouses
<b>National Curriculum P of S</b>	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	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	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
<b>National Curriculum P of S</b>	Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design	Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design	Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design
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	Investigate and analyse a range of existing products	Investigate and analyse a range of existing products	Investigate and analyse a range of existing products
	Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work	Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work	Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work
			Understand how key events and individuals in design and technology have helped shape the world
			Apply their understanding of how to strengthen, stiffen and reinforce more complex structures

Year 5/6 Cycle A Topics	We'll Meet Again (WWII)	Rulers of the Rainforest (Ancient Mayan Civilization and rainforests)	Vikings
	Anderson Shelters	Aztec food	Bird House Builders
National Curriculum P of S	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	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	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
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	Investigate and analyse a range of existing products	Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work	Investigate and analyse a range of existing products
	Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work	Understand and apply the principles of a healthy and varied diet  Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques	Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work
Year 5/6 Cycle B	Wonders of the Universe - Space	Super Settlers (Anglo Saxons and Scots)	Friends And Heroes (Quakerism and Democracy)
	Fashion and Textiles	Building Bridges	Chinese Inventions

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