

Design and Technology LTP 2023-2024	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Nursery	Me and My community	<p>Once Upon a Time</p> <p>Textiles: Design and construct a peg doll</p> <p>Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function; Share their creations, explaining the process they have used; Make use of props and materials when role playing characters in narratives and stories.</p> <p>Add materials to foam dolls to create a character from a traditional tale. Cut and stick a range of materials onto their foam doll.</p>	Build it up	<p>Dangerous dinosaurs</p> <p>Construction: Salt dough fossils</p> <p>Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function; Share their creations, explaining the process they have used; Make use of props and materials when role playing characters in narratives and stories.</p> <p>Use plaster cast and press fossils into the cast to harden. Set and paint.</p>	Big Wide World	<p>Creep, crawl and wriggle</p> <p>Food: Fruit Salad</p> <p>Explore the differences between fruits and vegetables using their senses (taste, texture, smell etc).</p> <p>Children select from a range of fruits to create a fresh fruit salad.</p>
Reception	Me and My community	<p>Once Upon a Time</p> <p>Textiles: Design and construct a peg doll</p> <p>Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function; Share their creations, explaining the process they have used; Make use of props and materials when role playing characters in narratives and stories.</p> <p>Use wooden peg dolls, wrap material around to make a 3D peg doll.</p>	Build it up	<p>Dangerous dinosaurs</p> <p>Construction: Salt dough fossils</p> <p>Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function; Share their creations, explaining the process they have used; Make use of props and materials when role playing characters in narratives and stories.</p> <p>Create salt dough, mould the fossils, set and paint.</p>	Big Wide World	<p>Creep, crawl and wriggle</p> <p>Food: Soup</p> <p>Explore the differences between fruits and vegetables using their senses (taste, texture, smell etc.). They listen to the story 'The best pumpkin soup' and discuss the key ingredients the characters used before developing a class-based vegetable soup recipe.</p>
Year 1 Chaffinch	Life at the Beach - Local History	<p>Growing and Changing (Childhood, life as a child in the past)</p> <p>Textiles: Puppets</p> <p>design purposeful, functional, appealing products for themselves and other users based on design criteria</p> <p>select from and use a wide range of materials and components, including construction materials,</p>	Local Studies: Our School and Local Area	<p>Local Studies: Our School and Local Area</p> <p>Mechanisms; Create a moving story book</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>explore and use mechanisms [for example, levers, sliders, wheels and axles] in their products</p>	Famous for more than 5 minutes	<p>The seven continents</p> <p>Food: Prepare a healthy school lunch</p> <p>use the basic principles of a healthy and varied diet to prepare dishes</p> <p>understand where food comes from</p>

		<p>textiles and ingredients, according to their characteristics</p>				
Year 2 Kingfisher	Then and Now: Changes in Technology	<p>Toys through time</p> <p>Textiles: Pouches Make a pouch</p> <p>design purposeful, functional, appealing products for themselves and other users based on design criteria</p> <p>select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics</p>	Building Locational knowledge : UK	<p>Climate Detectives: Extreme Weather</p> <p>Mechanics: Create a moving windmill Design and assemble a functioning windmill using.</p> <p>design purposeful, functional, appealing products for themselves and other users based on design criteria</p> <p>select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics</p>	The Great Fire of London	<p>My Local Area and Tulum, Mexico</p> <p>Food: A balanced diet Make a healthy wrap</p> <p>understand and apply the principles of a healthy and varied diet</p> <p>understand seasonality and know where and how a variety of ingredients are grown, reared, caught and processed</p> <p>select products based on a knowledge of healthy diets.</p> <p>Understand the importance of a varied and balanced diet and food groups.</p>
Year 3/4 Owl	Ancient Greece	<p>Ancient Greece</p> <p>Mechanics: Make a moving monster</p> <p>design purposeful, functional, appealing products for themselves and other users based on design criteria</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>Make an Ancient Greek themed moving monster.</p>	Building Locational knowledge: Italy	<p>Local Area</p> <p>Textiles: Fastenings Make a book cover</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>	Ancient Egypt	<p>Bee Conservation</p> <p>Food: Adapting a recipe</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> <p>Incorporate locally sourced honey into recipe.</p>
Year 4/5 Kestrel	Ancient Greece	<p>Ancient Greece</p> <p>Mechanics: Make a moving monster</p> <p>Make an Ancient Greek themed moving monster.</p> <p>design purposeful, functional, appealing products for themselves</p>	Building Locational knowledge : Italy	<p>Rivers</p> <p>Food: What could be healthier? Create a healthy meal</p> <p>understand and apply the principles of a healthy and varied diet</p>	Britain at War	<p>Biomes and Ecosystems</p> <p>Textiles: Fastenings Make a book cover</p> <p>select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional</p>

		<p>and other users based on design criteria</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>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>		<p>properties and aesthetic qualities</p>
Year 6 Eagle	Mayans/ Aztecs Hola Mexico	<p>Mayans/ Aztecs Hola Mexico</p> <p>Mechanisms: Make a pop-up book</p> <p>Design and make a pop-up book exploring the Mayans design purposeful, functional, appealing products for themselves and other users based on design criteria</p> <p>select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics</p>	Frozen Kingdoms and Biomes	<p>Building Locational Knowledge: South America</p> <p>Food: Come dine with me Develop a quesadilla recipe</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>	How did Grimsby become Great?	<p>Climate Change: Learn, Think, Act!</p> <p>Textiles: Waistcoats Make a waistcoat</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>