



Curriculum Overview 2021-22

Year	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
FS	Theme: Knowledge and understanding of the world- Ourselves. Key Question: Skills: Knowledge:	Theme: Knowledge and understanding of the world-Festivals Key Question: Skills: Knowledge:	Theme: Knowledge and understanding of the world-Buildings Key Question: Skills: Knowledge:	Theme: Knowledge and understanding of the world- Transport Key Question: Skills: Knowledge:	Theme: Knowledge and understanding of the world-Growth/Minibeasts Key Question: Skills: Knowledge:	Theme: Knowledge and understanding of the world-The Great Outdoors Key Question: Skills: Knowledge:
1		Theme: Christmas stockings Key Question: How do you construct a stocking? Skills: Make- Select a range of tools (sewing needles) and material. Knowledge: To understand how to sew two pieces of material together.			Theme: Healthy eating Key Question: How do you make a salad? Skills: Design-To generate and develop their ideas through talking and drawing Make- to select and use different ingredients. Cooking and Nutrition- understand where food comes from. Knowledge: To understand the basic principles of a healthy and varied diet to prepare dishes.	Theme: Building a castle- Structures Key Question: How do you make a stable castle with features? Skills: Technical knowledge-exploring how they can be made stronger and more stable. Knowledge: To explore and evaluate a range of different buildings. To design purposeful products based on design criteria.
2		Theme: Moving Christmas cards Key Question: How do you make a moving card? Skills: Make- To use a range of different equipment to perform practical tasks (cutting, scoring, joining) Evaluate-a range of different products. Knowledge: To design purposeful products based on design criteria.		Theme: Moving Vehicles- Wheels and Axels Key Question: How do you make a moving vehicle? Skills: Technical Knowledge-explore and use mechanisms. Evaluate- Explore and evaluate a range of existing products. Knowledge:		Theme: Healthy picnics- Sandwiches Key Question: How do you make a healthy Picnic? Skills: Cooking and Nutrition - use the basic principles of a healthy and varied diet to prepare dishes. Knowledge: To understand how to make a healthy sandwich. To understand a what makes a healthy diet.



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				To understand how the different mechanisms in a vehicle help it move.		
3	<p>Theme: 3D Photo Frames</p> <p>Key Question: How do you make a 3D Photo Frame?</p> <p>Skills: Making- select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately. 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</p> <p>Knowledge: To understand how to make a 3D frame using different design techniques.</p>	<p>Theme: Soup</p> <p>Key Question: How do you make a soup?</p> <p>Skills: Cooking and Nutrition- prepare and cook savoury dishes. Understand seasonality in food. Looking at seasonality.</p> <p>Knowledge: To understand how to prepare and cook a simple soup (with adult supervision)</p>				<p>Theme: Moving Monsters</p> <p>Key Question: How does a Pneumatic mechanism work?</p> <p>Skills: Design - generate, develop, model and communicate their ideas through discussion and annotated sketches. Technical knowledge- understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages]</p> <p>Knowledge: To understand what a pneumatic mechanism is and how it works.</p>
4		<p>Theme: Light up Electric Christmas Cards</p> <p>Key Question: How to create an electrical card?</p> <p>Skills: Technical knowledge understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors] Make- 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>Knowledge:</p>		<p>Theme: Biscuits</p> <p>Key Question: What ingredients do you need to make a biscuit?</p> <p>Skills: Cooking and nutrition- prepare and cook a variety of dishes using a range of cooking techniques. Evaluate- investigate and analyse a range of existing products.</p> <p>Knowledge: To design and create a biscuit that would be enjoyable to eat.</p>	<p>Theme: Levers and Linkages</p> <p>Key Question: How do you make a picture move using levers and linkages?</p> <p>Skills: Technical knowledge- understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages] 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.</p>	



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		<p>To understand how a light up Christmas card works and to create an electrical circuit.</p> <p>Designer/Inventors link: Benjamin Franklin & Thomas Edison</p>			<p>Knowledge: To create a moving picture that is linked to the story and or current topic.</p>	
5	<p>Theme: Moving Toys</p> <p>Key Question: How do cams work?</p> <p>Skills: Technical knowledge- understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages] Evaluate- understand how key events and individuals in design and technology have helped shape the world (Victorians)</p> <p>Knowledge: To learn how cams work and how they are used to create movement. To learn what effect the shape makes to the movement.</p>	<p>Theme: Bread based pizza and salad</p> <p>Key Question: How do you make a pizza?</p> <p>Skills: Cooking and nutrition- 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</p> <p>Knowledge: To understand how to prepare and cook a pizza. To understand we need a varied and balanced diet.</p>		<p>Theme: Bridges</p> <p>Key Question: How do you make a strong bridge?</p> <p>Skills: Technical knowledge- apply their understanding of how to strengthen, stiffen and reinforce more complex structures Evaluate- investigate and analyse a range of existing products.</p> <p>Knowledge: To understand how to make a structure strong and to be able to reinforce structures.</p>		
6	<p>Theme: Shelters</p> <p>Key Question: Why do you need to build a shelter? How do you build a strong and stable shelter?</p> <p>Skills: 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 Technical knowledge- apply their understanding of how to strengthen, stiffen and</p>	<p>Theme: Savoury Quiches</p> <p>Key Question: How do you make a savoury Quiche?</p> <p>Skills: Cooking and nutrition- 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. Understand seasonality and know where and how a variety</p>				<p>Theme: Mobile Phone Covers</p> <p>Key Question: What makes a good mobile phone case?</p> <p>Skills: 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. Make- select from and use a wider range of materials and components, including</p>



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	reinforce more complex structures Knowledge: To know how to create a strong and stable shelter using natural materials.	of ingredients are grown, reared, caught and processed. Knowledge: To understand how to design, prepare and cook a quiche.				construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities. Evaluate- investigate and analyse a range of existing products. Knowledge: To understand what materials make a practical and aesthetically pleasing phone case.
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Skills- All children will evaluate their final outcome in all projects they complete.

KS1- evaluate their ideas and products against design criteria

KS2- evaluate their ideas and products against their own design criteria and consider the views of others to improve their work