



Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Spring 3	Spring 4
1	<p>Curriculum focus: Seasonal changes/weather</p> <p>Aspect of D&T: MECHANISMS Focus: Sliders and Levers</p> <p>Focus: Project Title: Design, make and evaluate a class information booklet linked to seasons and the weather</p> <p>Brief: This unit will investigate and inform about the weather (science link) and how it changes through the seasons. Focus tasks will introduce children to sliders and levers and develop their understanding of how they work. Children will use their learning to help them design, make and evaluate a class information booklet linked to seasonal changes and weather.</p>		<p>Curriculum Focus: Farming and Food</p> <p>Aspect of D&T: FOOD Focus: Preparing Fruit and Vegetables</p> <p>Project Title: Design, make and evaluate a tinned meal that can be given to people without homes using only local produce.</p> <p>Brief: This unit will investigate and evaluate local produce and its availability in our town. This will include replacing meat in meals to help manage cost and make their product more cost effective as well as how packaging can be used to extend shelf-life. Focused tasks will engage the children in expanding their understanding of local farming, refine use of common kitchen utensils and consider healthy lifestyles in preparation for the designing, making and evaluating of their product.</p>		<p>Curriculum Focus: At the beach/Seaside</p> <p>Aspect of D&T: TEXTILES Focus: Templates and Joining Techniques</p> <p>Project Title: Design, make and evaluate a reusable bag for our class that we can use to carry our belongings to and from the beach.</p> <p>Brief: This unit will investigate and evaluate existing reusable fabric bags and why they are an important part of saving our planet. Focused tasks will introduce children to making and using templates as well as different joining techniques including sewing. Children will use their learning to help them design, make and evaluate a reusable bag that they can use to take their belongings to and from the beach.</p>	
2	<p>Curriculum focus: Toys</p> <p>Category: STRUCTURES Focus: Freestanding Structures</p> <p>Project Title: Design, make and evaluate playground equipment for our playground that is inclusive.</p> <p>Brief: This unit will investigate and evaluate playground equipment</p>		<p>Curriculum focus: Farming in Lincolnshire comparison with London</p> <p>Aspect of D&T: FOOD Focus: Healthy and Varied Diet</p> <p>Project Title: Design, make and evaluate a vegetable topping for a bread dish to present in our school-wide competition.</p>		<p>Curriculum Focus: Railways/Seaside</p> <p>Aspect of D&T: MECHANISMS Focus: Wheels and Axles</p> <p>Project Title: Design, make and evaluate a sand or rail vehicle that can be used for holiday makers to explore Mablethorpe .</p> <p>Brief: This unit will investigate and evaluate wheeled products used in everyday life.</p>	



	currently available in Mablethorpe and on our school grounds. Focused tasks will develop children's construction skills using consumable materials and construction kits. Children will consider inclusivity and the importance of this in designing towards a future using first-hand experiences to inform their learning. They will use their learning to design, make and evaluate a piece of playground equipment that can be accessed by all children regardless of physical ability.	Brief: During this project, children will have the opportunity to work with vegetables, exploring their flavours and considering where in the world they have come from. They will use their learning about explorers to understand how new flavours and ideas reach the UK and how much of our cooking is inspired by other countries and cultures. Children will practice their cutting, chopping, slicing and grating skills to create a cold topping for bread. This will then be evaluated by their peers in the school-wide celebration of our fantastic Mablethorpe chefs	Focused tasks will develop children's understanding of how wheels and axles are assembled as either fixed or free axles. Children will be taught how to mark out, hold, cut, join and materials and components correctly. They will use their learning to design, make and evaluate a sand or rail vehicle that can be used for holiday makers to explore Mablethorpe.
3 / 4	<p>Curriculum Focus: David Attenborough/ One World/ One plastic bag</p> <p>Aspect of D&T: STRUCTURES Focus: Shell Structures</p> <p>Project Title: Design, make and evaluate a recycling receptacle for Mablethorpe high-street to improve recycling within the town.</p> <p>Brief: During this unit, children will investigate a collection of different shell structures, building an understanding of what they are, how they are used and how they are designed and made. Through focused tasks, they will explore shape nets and</p>	<p>Curriculum Focus: Volcanoes</p> <p>Aspect of D&T: MECHANISMS Focus: PNEUMATICS</p> <p>Project Title: Design, make and evaluate a class display to share information relating to volcanoes.</p> <p>Brief: In this unit children will have gained knowledge of volcanoes within other subject areas. This unit will investigate, analyse and evaluate familiar objects that use air to make them work. Through focus tasks children will assemble systems and create pneumatic systems that can be used to operate levers as well as demonstrate the skill of measuring, marking out, cutting, joining and finishing skills and techniques.</p>	<p>Curriculum Focus: Anglo Saxons/Vikings</p> <p>Aspect of D&T: TEXTILES Focus: 2D Shape to 3D Product.</p> <p>Project Title: Design, make and evaluate a bag for our families' phones to keep them safe and protect them from breakages.</p> <p>Brief: Children have been looking at the Vikings and Anglo Saxons, who began to use textiles to create bags, in which they would carry their precious possessions. This unit will investigate and evaluate our most precious possessions and how we protect them. Through focused tasks, children will refine their joining techniques, explore different materials and use tools safely. This learning will inform their design, making and</p>



	demonstrate different ways to manipulate materials to their needs. This learning will prepare children for designing, making and evaluating recycling bins, which can be used on our local high-street to encourage people to recycle their waste. Children should use their cross curricular learning to inform their project and lead change.	This learning will inform their design, making and evaluating of a class display to share information relating to volcanoes.	evaluating of a protective pocket for today's most prized possession- our phones. Through focused tasks, children will refine their joining techniques, explore different materials and use tools safely. This learning will inform their design, making and evaluating of a protective pocket for today's most prized possession- our phones.
5 /6	<p>Curriculum Focus: Local History Floods</p> <p>Aspect of D&T: STRUCTURES Focus: Frame Structures</p> <p>Project Title: Design, make and evaluate a revolutionary flood defense for our local town.</p> <p>Brief: This unit will investigate and explore frame structures in their local area whilst learning about key architects of frame structures. Focus tasks will encourage children to use construction kits and collected materials to make 2D and 3D models. Children will refine their use of tools demonstrating an understanding on how best to use them. This will inform children in designing, making and evaluating their product.</p>	<p>Curriculum Focus: Vikings and Anglo Saxon Struggle.</p> <p>Aspect of D&T: TEXTILES Focus: Using computer aided design in textiles /Combining Different Fabric Shapes</p> <p>Project Title: Design, make and evaluate a reusable bag that spreads the message of climate change and can be used to carry shopping by adults.</p> <p>Brief: In this unit, we will investigate how we can reduce our use of single use plastics by using sustainable materials. Children will refine their skills; threading needles, using a range of stitches and cutting techniques. Children will explore using patterns to ensure an accurate designing and making process. Some children may explore using Computer Aided Design (CAD) to further accuracy. This learning will work towards</p>	<p>Curriculum Focus: Mayans</p> <p>Aspect of D&T: ELECTRICAL SYSTEMS Focus: More complex switches and circuits</p> <p>Project Title: To work collaboratively to design, make and evaluate an electrical board game to share information and help educate others about the Mayans</p> <p>Brief: In this unit children will investigate and explore electrical board games and compare these with traditional board games. Children will use their learning alongside their previous learning in science. They will use electrical systems to create an input and output warning the princess to awake. Children will strengthen their understanding of programming and circuits through investigative and focused activities</p>



		building a thorough design criteria for designing, making and evaluating their product.	
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