



Subject	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS	<p><u>Early Learning Goal - Expressive Arts and Design</u></p> <ul style="list-style-type: none"> • Construct with a purpose in mind, using a variety of resources. • Use simple tools and techniques competently and appropriately. • Build and construct with a wide range of objects, selecting appropriate resources and adapting their work when necessary. • Select the tools and techniques they need to shape, assemble and join materials they are using. • To safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function. • To use what they have learnt about media and materials in original ways, thinking about uses and purposes. They represent their own ideas, thoughts and feelings. 					
Year 1	<p><u>Mechanisms - Sliders and Levers</u> Focus - using sliders and levers in products. Existing Products - story books with moveable parts.</p> <p>Can the children create a moving scene to tell part of the story of the Great Fire of London? <i>Links - History - The Great fire of London</i></p>		<p><u>Cooking & Nutrition</u> Focus - Chopping and cutting vegetables Existing Products - Vegetables and Indian curries.</p> <p>Can the children create a healthy Indian curry to share with family? <i>Links - Geography location study - India and Share Day</i></p>		<p><u>Build Structures</u> Focus - Strengthening and stiffening structures. Existing products - a range of videos and pictures of bridges and the Humber Bridge.</p> <p>Can the children create a bridge that is strengthened and stiffened to be freestanding? <i>Links - History - The Humber Bridge</i></p>	
Year 2	<p><u>Mechanisms - Sliders and Levers</u> Focus - using sliders and levers in products. Existing Products - story books with moveable parts.</p> <p>Can the children create a moving scene to tell part of the story of the Great Fire of London?</p>		<p><u>Cooking & Nutrition</u> Focus - Chopping and cutting vegetables Existing Products - Vegetables and Indian curries.</p> <p>Can the children create a healthy Indian curry to share with family? <i>Links - Geography location study - India and Share Day</i></p>		<p><u>Build Structures</u> Focus - Strengthening and stiffening structures. Existing products - a range of videos and pictures of bridges and the Humber Bridge.</p> <p>Can the children create a bridge</p>	



	<i>Links - History - The Great fire of London</i>		<i>that is strengthened and stiffened to be freestanding?</i> <i>Links - History - The Humber Bridge</i>
Year 3/4 (Year A)	<p><u>Structures - Shell Structures</u> Focus - how to strengthen, stiffen and reinforce more complex structures. Existing Products - A range of desk Organisers.</p> <p>Can the children make a desk tidy for their desk? <i>Links - No curriculum link</i></p>	<p><u>Cooking & Nutrition</u> Focus - understand and apply principles of a varied and healthy diet. Existing Products - A range of healthy sandwiches/breads.</p> <p>Can the children create a wrap/pitta/sandwich to be used in a healthy lunchbox? <i>Links - Science - Nutrition</i></p>	<p><u>Textiles - 2D to 3D Shape</u> Focus - joining and finishing skills. Existing Products - A range of purses with different fastenings. Roman Bulla purses.</p> <p>What can the children design and make to carry valuable Roman coins? <i>Links with History - The Roman Empire.</i></p>
Year 3/4 (Year B)	<p><u>Mechanical Systems - Pneumatics</u> Focus - using pneumatics within systems. Existing Products - Toys that use pneumatics to move parts.</p> <p>Can the children make a monster's jaw open without touching it? <i>Link - History - Mayans</i></p>	<p><u>Electrical Systems - Simple circuits and Switches</u> Focus - simple circuits incorporating switches, bulbs, buzzers and motors. Existing Products - A range of night lights and reading lights.</p> <p>What can the children design to help them read at night? <i>Link - Science - Electricity.</i></p>	<p><u>Mechanical Systems - Levers & Linkages</u> Focus - using levers and linkages within products. Existing Products - A range of children's books with moving parts.</p> <p>Can the children make a Viking book with moving parts? <i>Link - History - Vikings</i></p>
Year 5/6 (Year A)	<p><u>Mechanical Systems - Pulleys and Gears</u> Focus - using pulleys and gears within systems. Existing Products - Models showing pulleys and gears.</p>	<p><u>Structures - More Complex Structures</u> Focus - how to strengthen, stiffen and reinforce more complex structures. Existing Products - A range of bird houses.</p>	<p><u>Electrical Systems - Monitoring and Control (more complex circuits)</u> Focus - Creating more complex electrical systems and using monitoring technology.</p>



	<p>Can the children lift, rotate and move a stone? <i>Link - Science - Forces and mechanisms</i></p>	<p>Can the children design a new bird house for the wildlife area? <i>Link - with the summer term design project of monitoring the occupancy of the bird house</i></p>	<p>How would the children know if their bird house was being occupied? <i>Link - Science - Living systems and their habitats</i></p>
<p>Year 5/6 (Year B)</p>	<p><u>Cooking & Nutrition</u> Focus - Celebrating culture and seasonality. Existing Products - Recipe books from this period in history.</p> <p>Can the children create a Victoria Sponge with a twist? <i>Link - History - The Victorians</i></p>	<p><u>Textiles</u> Focus - using pattern pieces, accessories and a range of stitches. Existing Products - A range of teddy bears and war-time toys.</p> <p>Can the children design and make a teddy for an evacuee? <i>Link - History - WWII</i></p>	<p><u>Mechanical Systems - Cams</u> Focus - using cams, wheels and axels within systems Existing Products - A variety of toys and models using cams for moving parts.</p> <p>Can the children create a moving boat scene? <i>Links - History - The Triple Trawler Tragedy</i></p>