



Subject	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS	<p><b><u>Early Learning Goal - Expressive Arts and Design</u></b></p> <ul style="list-style-type: none"> <li>• Construct with a purpose in mind, using a variety of resources.</li> <li>• Use simple tools and techniques competently and appropriately.</li> <li>• Build and construct with a wide range of objects, selecting appropriate resources and adapting their work when necessary.</li> <li>• Select the tools and techniques they need to shape, assemble and join materials they are using.</li> <li>• To safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function.</li> <li>• 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.</li> </ul>					
Year 1/2 (Year A)	<p><b><u>Mechanisms - Sliders and Levers</u></b> Focus - using sliders and levers in products. Existing Products - story books with moveable parts.</p> <p><b>Can the children create a moving scene to tell part of the story of the Great Fire of London?</b> <i>Links - History - The Great fire of London</i></p>		<p><b><u>Cooking &amp; Nutrition</u></b> Focus - Chopping and cutting vegetables Existing Products - Vegetables and Indian curries.</p> <p><b>Can the children create a healthy Indian curry to share with family?</b> <i>Links - Geography location study - India and Share Day</i></p>		<p><b><u>Build Structures</u></b> Focus - Strengthening and stiffening structures. Existing products - a range of videos and pictures of bridges and the Humber Bridge.</p> <p><b>Can the children create a bridge that is strengthened and stiffened to be freestanding?</b> <i>Links - History - The Humber Bridge</i></p>	
Year 1/2 (Year B)	<p><b><u>Mechanisms - Wheels and Axles</u></b> Focus - using wheels and axles in products. Existing Products - Models of toy vehicles.</p> <p><b>Can the children make a model of something that moves on wheels?</b></p>		<p><b><u>Cooking &amp; Nutrition</u></b> Focus - understanding where food comes from. Existing Products - fruit crumbles, seasonal fruit</p>		<p><b><u>Textiles</u></b> Focus - cutting skills &amp; using templates. Existing Products - A range of mittens, gloves and materials.</p>	



	<i>Links - History - Transport</i>	Can the children make an apple and bramble crumble with a healthy crumble topping? <i>Links with Science topic - Plants.</i>	Can the children make a mitten that would keep an explorer warm? <i>Links - History - Explorers</i>
Year 3/4 (Year A)	<b><u>Structures - Shell Structures</u></b> Focus - how to strengthen, stiffen and reinforce more complex structures. Existing Products - A range of desk organisers.  <b>Can the children make a desk tidy for their desk?</b> <i>Links - No curriculum link</i>	<b><u>Cooking &amp; Nutrition</u></b> Focus - understand and apply principles of a varied and healthy diet. Existing Products - A range of healthy sandwiches/breads.  <b>Can the children create a wrap/pitta/sandwich to be used in a healthy lunchbox?</b> <i>Links - Science - Nutrition</i>	<b><u>Textiles - 2D to 3D Shape</u></b> Focus - joining and finishing skills. Existing Products - A range of purses with different fastenings. Roman Bulla purses.  <b>What can the children design and make to carry valuable Roman coins?</b> <i>Links with History - The Roman Empire.</i>
Year 3/4 (Year B)	<b><u>Mechanical Systems - Pneumatics</u></b> Focus - using pneumatics within systems. Existing Products - Toys that use pneumatics to move parts.  <b>Can the children make a monster's jaw open without touching it?</b> <i>Link - History - Mayans</i>	<b><u>Electrical Systems - Simple circuits and Switches</u></b> Focus - simple circuits incorporating switches, bulbs, buzzers and motors. Existing Products - A range of night lights and reading lights.  <b>What can the children design to help them read at night?</b> <i>Link - Science - Electricity.</i>	<b><u>Mechanical Systems - Levers &amp; Linkages</u></b> Focus - using levers and linkages within products. Existing Products - A range of children's books with moving parts.  <b>Can the children make a Viking boat with moving oars?</b> <i>Link - History - Vikings</i>
Year 5/6 (Year A)	<b><u>Mechanical Systems - Pulleys and Gears</u></b> Focus - using pulleys and gears within systems.	<b><u>Structures - More Complex Structures</u></b> Focus - how to strengthen, stiffen and reinforce more complex structures.	<b><u>Electrical Systems - Monitoring and Control (more complex circuits)</u></b>



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