



# Federation of St. Cuthbert's and St. Sebastian's Catholic Primary Schools

## DT : CURRICULUM : LONG TERM PLAN



	AUTUMN TERM	SPRING TERM	SUMMER TERM
Y1	<p><b><u>Textiles</u></b> <i>Patient's Slippers</i></p> <p><b>CORE KNOWLEDGE</b></p> <ul style="list-style-type: none"><li>- To know that any light, low-cut shoe into which the foot may be easily slipped, for casual wear in the home is classed as a slipper</li><li>- To know that most slippers are made with a fleece lining and rubber sole</li><li>- To know that different methods of cutting and joining materials include stapling, sewing, gluing and fastening using other items</li><li>- To know that slippers must be durable and comfortable to fit their purpose</li><li>- To be able to evaluate their slipper design and final product</li></ul> <p><i>PREVENT: A3 Respect for others/C2 My community/C10 Contributing positively</i></p>	<p><b><u>Construction/Use of Materials</u></b> <i>London's Bridge and Buildings</i></p> <p><b>CORE KNOWLEDGE</b></p> <ul style="list-style-type: none"><li>- Using appropriate tools and a range of materials to make structures/models</li><li>- Strengthening models</li><li>- Suggest how their products could be improved</li></ul> <p><i>PREVENT: B1 British values and cultures/A3 Respect for others/A8 Showing initiative</i></p>	<p><b><u>Cooking and Nutrition</u></b> <i>Teddy Bear's Picnic</i></p> <p><b>CORE KNOWLEDGE</b></p> <ul style="list-style-type: none"><li>- Know a range of foods that appear within the five food groups on the Eatwell plate</li><li>- Know which animals produce a range of foods (cow – milk, cheese, beef; hen – eggs, chicken; pig – sausages, ham)</li><li>- Know a variety of foods that are suitable for a picnic.</li><li>- Design &amp; make their own sandwich using a range of skills (spread, cut/slice, grate)</li><li>- To evaluate their sandwich and suggest improvements.</li></ul> <p><i>PREVENT: A2 Making choices/A5 Persuasion and influence</i></p>
Y2	<p><b><u>Mechanisms</u></b> <i>Moving pictures</i></p> <p><b>CORE KNOWLEDGE</b></p> <ul style="list-style-type: none"><li>- To know that a popup book is a book with paper elements within the pages that may be moved by the reader.</li><li>- To know that pictures books need illustrations to make them engaging for the reader</li><li>- To know that a lever is a rigid bar which moves around a pivot. Levers are used in many everyday products. In this project children will use card strips for levers and paper fasteners for pivots.</li><li>- To know that a slider is a rigid bar which moves backwards and forwards along a straight line</li></ul>	<p><b><u>Use of Materials/Construction</u></b> <i>Animal Enclosures</i></p> <p><b>CORE KNOWLEDGE</b></p> <ul style="list-style-type: none"><li>- Joining and measuring materials</li><li>- Using joining, rolling and folding to build strength</li><li>- Make simple judgements about their products and ideas against design criteria</li></ul>	<p><b><u>Cooking &amp; Nutrition</u></b> <i>African Cuisine</i></p> <p><b>CORE KNOWLEDGE</b></p> <ul style="list-style-type: none"><li>- Know a variety of fruits that originate from Africa and have experience of tasting them (banana, papaya, pineapple, date, watermelon, mango)</li><li>- Know how fruit is farmed and appears in local supermarkets (farm to fork)</li><li>- Use equipment to peel and cut soft fruits (chopping board and knives)</li><li>- Use a range of skills to prepare soft fruits (fork secure, claw grip and bridge hold)</li><li>- Design and make an African fruit salad.</li></ul>

	<ul style="list-style-type: none"> <li>- To be able to design and evaluate a picture book including a mechanism</li> </ul> <p><i>PREVENT: A1: Values / A8: Showing initiative / C7: Migration</i></p>	<p><i>PREVENT: A3: respect for others / B1: British values &amp; cultures / B6: mutual respect / B10: Respect for public institutions / C2: My community / C3: Local community / C5: diversity / C9: community cohesion</i></p>	<ul style="list-style-type: none"> <li>- Evaluate their final product against a design criterion and talk about how to improve their dish.</li> </ul> <p><i>PREVENT: A3: respect for others / B6: mutual respect / B9: Acceptance of others' beliefs &amp; faiths / C4: acceptance of different cultural traditions / C5: diversity / C6: Global community / C9: community cohesion.</i></p>
Y3	<p><b><u>Mouldable Materials</u></b> <u>Clay Pots</u></p> <p><b>CORE KNOWLEDGE</b></p> <ul style="list-style-type: none"> <li>- To know that pottery is the process and the products of forming vessels and other objects with clay.</li> <li>- To know that there are 3 main techniques to mould and shape clay; slab method, coil method and pinch method.</li> <li>- To know that ceramic glaze, or simply glaze, is a glassy coating on ceramics. It is used for decoration and to ensure the item is impermeable to liquids.</li> <li>- To know ways to make a clay pot using air drying clay including a pattern for aesthetic design being big enough to hold small items for its function.</li> </ul> <p><i>PREVENT: D2: Internet</i></p>	<p><b><u>Cooking &amp; Nutrition</u></b> <u>Garden Salad</u></p> <p><b>CORE KNOWLEDGE</b></p> <ul style="list-style-type: none"> <li>- Know that food is reared and caught</li> <li>- Know that a healthy diet is made up from a variety and balance of different foods and drinks, as depicted in the 'eat well' plate</li> <li>- Measure in grams</li> </ul> <p><i>PREVENT: B10: Respect for public institutions</i></p>	<p><b><u>Textiles</u></b> <u>Fashion Accessory</u></p> <p><b>CORE KNOWLEDGE</b></p> <ul style="list-style-type: none"> <li>- Know different types of money wallets (size, clasp, material, colours, compartments)</li> <li>- To know the most appropriate material for a money wallet</li> <li>- To know how to do an overlock stitch</li> <li>- To be able to design a money wallet for the target audience</li> <li>- To evaluate a product with consideration for the target audience</li> </ul> <p><i>PREVENT: C10: Contributing positively (community)</i></p>
Y4	<p><b><u>Stiff/Flexible Sheet Materials</u></b> <u>Lunch boxes</u></p> <p><b>CORE KNOWLEDGE</b></p> <ul style="list-style-type: none"> <li>- To know that a lunch box is a container in which to carry a packed meal.</li> <li>- To know that a lunch box must be made of a durable material strong enough to keep food safe</li> <li>- To know the best materials to make a lunch box from</li> <li>- To know that a lunch box is made from a 2D net with fastenings to create a 3D cube</li> <li>- To be able to make a lunch box fit for purpose</li> </ul> <p><i>PREVENT: A8: Showing initiative</i></p>	<p><b><u>Cooking &amp; Nutrition</u></b> <u>Afternoon Tea</u></p> <p><b>CORE KNOWLEDGE</b></p> <ul style="list-style-type: none"> <li>- Know how seasons effect food availability</li> <li>- Know that to be active and healthy, food is needed to provide energy for the body</li> <li>- Follow a recipe</li> </ul> <p><i>PREVENT: B1 British values and culture / C3 The local community</i></p>	<p><b><u>Electrical &amp; Mechanical Components</u></b> <u>Torches</u></p> <p><b>CORE KNOWLEDGE</b></p> <ul style="list-style-type: none"> <li>- To know that a torch is a battery powered, portable lamp that includes a circuit and a bulb to fit its function of being a light source</li> <li>- To know that the components of a torch are: a bulb, battery, connecting wires and a casing</li> <li>- To know how to create a simple circuit including a switch</li> <li>- To know the components needed to design a functioning torch</li> <li>- To be able to evaluate my final product of a torch</li> </ul> <p><i>PREVENT: A8 Showing initiative</i></p>

Y5	<p><b><u>Cookery &amp; Nutrition</u></b> <u>Savoury- Bread</u></p> <p><b>CORE KNOWLEDGE</b></p> <ul style="list-style-type: none"> <li>- To investigate different bread products including their design and taste.</li> <li>- To explain the importance of carbohydrates within a balanced diet.</li> <li>- To know what ingredients are needed to make bread.</li> <li>- To know how to create different effects to make bread aesthetical pleasing.</li> <li>- To design a bread product for a target audience or event.</li> <li>- To evaluate a product, taking taste and aesthetic into consideration.</li> </ul> <p><i>PREVENT: A8 Showing Initiative / C2 My Community / C10 Contributing Positively</i></p>	<p><b><u>Mechanical Components</u></b> <u>Fairground Rides</u></p> <p><b>CORE KNOWLEDGE</b></p> <ul style="list-style-type: none"> <li>- Understand how cams, pulleys and gears create movement</li> <li>- Testing and refining products</li> <li>- Evaluating appearance and function against design criteria</li> </ul> <p><i>PREVENT: A8 Showing Initiative / C10 Contributing Positively</i></p>	<p><b><u>Textiles</u></b> <u>Bags for Life</u></p> <p><b>CORE KNOWLEDGE</b></p> <ul style="list-style-type: none"> <li>- To research bags and their uses</li> <li>- To research materials used for bags</li> <li>- To produce detailed plans including equipment and materials needed</li> <li>- To use appropriate stitches, joining techniques and finishing techniques</li> <li>- To critically evaluate a final product.</li> </ul> <p><i>PREVENT: A8 Showing Initiative / C6 The Global Community / C10 Contributing Positively</i></p>
Y6	<p><b><u>Cookery &amp; Nutrition</u></b> <u>Great British Dishes</u></p> <p><b>CORE KNOWLEDGE</b></p> <ul style="list-style-type: none"> <li>- Know that a recipe can be adapted a by adding or substituting</li> <li>- Know that recipes can be adapted to change the appearance, taste, texture and aroma</li> <li>- Work out ratios in recipes</li> </ul> <p><i>PREVENT A1 Values / C9 Community Cohesion</i></p>	<p><b><u>Stiff &amp; Flexible</u></b> <u>Bird Boxes</u></p> <p><b>CORE KNOWLEDGE</b></p> <ul style="list-style-type: none"> <li>- Strengthening, stiffening and reinforcing products.</li> <li>- Hiding joints to improve aesthetics</li> <li>- Use market research to improve designs</li> </ul>	<p><b><u>Electrical Components</u></b> <u>Board Games</u></p> <p><b>CORE KNOWLEDGE</b></p> <ul style="list-style-type: none"> <li>- Use different kinds of circuits</li> <li>- Understand how more complex electrical circuits and components can be used to create functional products</li> <li>- Critically evaluate the quality of the design, manufacture and fitness for purpose</li> </ul> <p><i>PREVENT A1 Values / C9 Community Cohesion</i></p>