



End points in Design and Technology

The table above shows how the knowledge learned in each year is consolidated and further developed in the following year. Such careful sequencing of key facts (substantive knowledge) and skills (declarative knowledge) enables our pupils to know more, do more and remember more.

We build retrieval activities into each unit to help the children practice recalling knowledge and vocabulary. This helps keep knowledge 'warm' and accessible.

This table does not show the activities children will be involved in, or the full range of vocabulary and skills taught. Please refer to separate documents for this information. The information below is the knowledge we expect them to transfer into their long term memories, as building blocks for future learning.

Reception	Year 1	Year 2
<p><i>Cooking</i> <i>Substantive knowledge</i> Know that food has to be farmed (cows and sheep) grown (plants) or caught (fish).</p> <p>Understand that everyone should eat 5 portions of fruit or vegetable a day.</p>	<p><i>Cooking</i> <i>Substantive knowledge</i> Name a variety of stir fry vegetables: <i>pepper, onion, bean sprout</i> Understand where each vegetable has come from.</p> <p>Name and sort foods in the Eatwell guide.</p>	<p><i>Cooking</i> <i>Substantive knowledge</i> Use what they know about the Eatwell guide to make statements about the ingredients for their dish and how to balance their diet.</p> <p>Name colours, textures and taste of Christmas Cake, Victoria sponge and Lemon Drizzle.</p> <p>Name three safety rules for using cooking utensils and equipment.</p>

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<p><u>Structures – Parks and playgrounds</u> Substantive knowledge Name two safety rules when using equipment. Know that paper and card can be folded and joined to stand up. Understand how to use swings, slides and climbing frames.</p> <p>Know that materials can be shaped and joined together using scissors and glue sticks, sellotape and glue spreaders.</p>	<p><u>Structures – Parks and playgrounds</u> Substantive knowledge Name three safety rules when using equipment. Know that structures can be made more stable and stronger.</p> <p>Know that squares and triangles are a strong and stable shape for structure bases. Understand that thicker card makes a structure more strong and stable.</p>	<p><u>Structures – Parks and playgrounds</u> Substantive knowledge Name four safety rules when using equipment. Know that a range of triangle bases can be used to make structures stiffer and more stable.</p> <p>Know that there are a range of joining techniques and materials to make structures stronger and more stable: wood, PVA glue, glue gun.</p>
<p><u>Textiles – Paper Weaving</u> Substantive knowledge Know that materials can be woven to create an effect.</p> <p>Understand that materials can be combined to create a new effect.</p> <p>Know that weaving alternates <i>up</i> and <i>down</i> movements to hold paper or fabric in place.</p>	<p><u>Textiles – Binka Bookmark</u> Substantive knowledge Know that running stitch alternates running <i>under</i> and <i>over</i> fabric, like weaving.</p> <p>Know that thread and binka can be combined to create lines and to hold thread in place.</p>	<p><u>Textiles – Joseph’s Coat</u> Substantive knowledge Know what appliqué is.</p> <p>Know that fabrics can be combined to create effects.</p> <p>Know how blanket stitch holds fabric together in an <i>over</i> and <i>up</i> pattern.</p> <p>Appreciate how this stitch is effective for holding together two pieces of fabric.</p>
<p><u>Moving objects – Junk Model Vehicle</u> Substantive knowledge Know that a vehicle has at least one moving part.</p> <p>Know how a split pin works to join 2 surfaces together.</p> <p>Know that joining a circle to a flat surface with a split pin can make the circle move.</p>	<p><u>Moving objects- Pictures</u> Substantive knowledge Know how a slider mechanism is used to make a part of a picture move. Know how a lever and a pivot is used to make a part of a picture move. Know how a wheel mechanism can be used to make a part of a picture move.</p>	<p><u>Moving objects –Bus</u> Substantive knowledge Know what a wheel and axle mechanism is to make the wheels move.</p> <p>Know that a wheel or an axel can be fixed to enable the vehicle to move.</p>

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