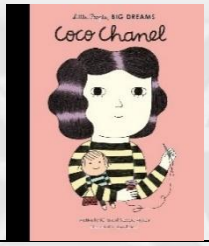
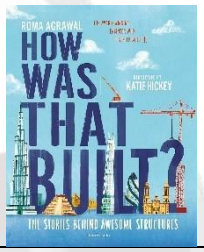
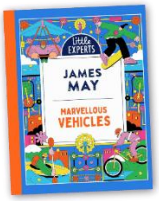
Design Technology
Burley Gate CE Primary School Overview

Rowan Class	Cycle A	Cycle B
Autumn	**Solid structures / Food & Nutrition-Snacks and Seasonal produce**	
	Solid structures: a bear chair pg.59 - Using tools - Measure and mark (cm) - Joining techniques (gluing and hinging) - Model designs (computing)	Pasta dish pg. 149 Link to seasonal ingredients and prior skills. - Weighing and measuring - Cook ingredients
Spring	**Textiles / Mechanisms -Sliders and levers**	
	Make a finger puppet: dragon - Demonstrate a range of cutting techniques - Shaping textile using templates - Join textile - Colour and decorate textile - Use tools	Sliders and levers: moving Easter cards pg.79 - Cut materials safely - Shaping techniques - Combining materials to strengthen
Summer	**Food & Nutrition and seasonal produce / Frame structures**	
	Portable snacks: Sweet/wrap pg. 133 - Peel and grate - Assemble	Frame structures: bed for Goldilocks / boat for a pirate pg.43 - Design on Purple Mash - Cut materials safely - Combine materials to strengthen - Shaping techniques

Willow Class	Cycle A	Cycle B
Autumn	**Shell Structures**	**Food & Nutrition**
	Chairs pg. 259 - Practical finger fluency; shaping and joining - Designers to use Computer aided design (CAD) - Designers take inspiration from existing products	Dips pg.293 - Prepare ingredients hygienically using appropriate utensils. - Measure ingredients to the nearest gram accurately. - Follow a recipe. - Assemble or cook ingredients (controlling the temperature of the oven or hob, if cooking).
Spring	**Textiles**	
	Purse/wallet - Understand the need for a seam allowance. - Join textiles with appropriate stitching. - Select the most appropriate techniques to decorate textiles. **Coco Chanel (1): Little People, Big Dreams Hardcover –** 4 Feb. 2016 by Maria Isabel Sanchez Vegara  	Fabric Easter basket - Understand the need for a seam allowance. - Join textiles with appropriate stitching. - Select the most appropriate techniques to decorate textiles.
Summer	**Food & Nutrition**	**Electrical Systems**
	Vegetable Soup pg.277 - Prepare ingredients hygienically using appropriate utensils. - Measure ingredients to the nearest gram accurately. - Follow a recipe. - Assemble or cook ingredients (controlling the temperature of the oven or hob, if cooking).	Banana keyboard (CQ Creative topics) Paper circuits pg.191 - Create series and parallel circuits

Oak Class	Cycle A	Cycle B
Autumn	**Textiles**	**Arch Structures using computer aided designs**
	Cushion - Create objects (such as a cushion) that employ a seam allowance. - Join textiles with a combination of stitching techniques (such as back stitch for seams and running stitch to attach decoration). - Use the qualities of materials to create suitable visual and tactile effects in the decoration of textiles (such as a soft decoration for comfort on a cushion).	Kites; using tetrahedron. Pg.353 - Develop a range of practical skills to create products - Cut materials with precision and refine the finish with appropriate tools (such as sanding wood after cutting or a more precise scissor cut after roughly cutting out a shape). - Show an understanding of the qualities of materials to choose appropriate tools to cut and shape (such as the nature of fabric may require sharper scissors than would be used to cut paper). **How Was That Built?: The Stories Behind Awesome Structures** by Roma Agrawal 
Spring	**Food & Nutrition**	
	Bread Pg.427 - Understand the importance of correct storage and handling of ingredients (using knowledge of micro-organisms). - Measure accurately and calculate ratios of ingredients to scale up or down from a recipe. - Demonstrate a range of baking and cooking techniques. - Create and refine recipes, including ingredients, methods, cooking times and temperatures.	Bolognese Pg. 441 - Understand the importance of correct storage and handling of ingredients - Measure accurately and calculate ratios of ingredients to scale up or down from a recipe. - Demonstrate a range of baking and cooking techniques. - Create and refine recipes, including ingredients, methods, cooking times and temperatures.
Summer	**Electrical Systems**	**Cams Mechanisms- Sliders and levers**
	Space buggy pg.337 - Create circuits using electronics kits that employ a number of components (such as LEDs, resistors, transistors and chips)	Moving toy Pg. 403 - Convert rotary motion to linear using cams. - Mechanical systems, levels, pulleys, gears and cams **Marvellous Vehicles** by James May

		Little EXPERTS JAMES MAY MARVELLOUS VEHICLES