(Design Technology) Overview

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
EYFS	Junk Modelling (And Autumn Hibernation Boxes)	Soup (Christmas Sliding Santa)	Bookmarks	(Easter hanging Eggs and Easter Flower threading)	Boats	(Design a Rainbow Salad Make a Rainbow Salad)
Y1/2 (A)	**Y1 Structures: Constructing a pencil pot** Investigating stable shapes and using an understanding of balance to discover how wide or heavy bases improve stability in freestanding structures. Using their knowledge and skills to construct a free-standing pencil pot.		**Y1 Textiles: Puppets** Explore methods of joining fabric. Design and make a character-based hand puppet using a preferred joining technique, before decorating		**Y1 Cooking and Nutrition: Smoothies** Our refreshed Y1 cooking and nutrition unit including opportunities for children to learn food preparation skills and greater emphasis on taste testing and ingredient choices.	
Y1/2 (B)		**Y2 *New* Cooking and nutrition: Balanced diet** Our refreshed Y2 cooking and nutrition unit including opportunities for children to learn about the importance of a balanced diet and use that knowledge to create a tasty wrap.		**Y2 Mechanisms: Making a moving monster** Explore levers, linkages and pivots through existing products and experimentation, use this research to construct and assemble a moving monster. Example theme: Moving monster. Alternative theme: Easter – Mechanical animals		**Y2 Textiles: Pouches** Learn how to sew a running stitch ready to design, make and decorate a pouch using a template.
Y3/4 (A)	**Digital World: Wearable technology** An alternative to the Electronic charm unit, including a greater focus on evaluation, use of the virtual micro:bit and new video content.				**Cooking & Nutrition: Eating seasonally** Our refreshed Y3 cooking and nutrition unit including opportunities for children to learn about seasonal foods and create a seasonal food tart	**Mechanical Systems – Pneumatic Toys** Investigating how compressed air can create movement within a mechanism and be used in a working pneumatic toy. Designing, making and evaluating a pneumatic toy.
Y3/4 (B)	**Electrical Systems: Torches** Identify the difference between electrical and electronic products. Evaluate a range of existing torches and their features, then develop a new functional torch design.		**Structure: Pavilions** Investigate and model frame structures to improve their stability, then apply this research to design and crea te a stable, decorated pavilion.		**Textiles: cushions** Design and cut the template for a cushion. And then make a cushion that includes appliqué and cross-stitch.	
Y5/6 (A)	**Electrical systems: Wobble bots** Our Doodlers unit explores series circuits further and introduces motors. Explore how the design cycle can be approached at a different starting point, by investigating an existing product, which uses a motor, to encourage pupils to problem-solve and work out how the product has been constructed, ready to develop their own		**Mechanical systems: Gears and Pulleys** Learn how gears and pulleys work and their purposes. Evaluate products against a set of design criteria and provide feedback and appropriate changes. Be able to design and make and gear and pulley system in the context of an eco-gadget.		**Cooking and nutrition: Developing a recipe** Our refreshed Y5 cooking and nutrition unit including opportunities for children to learn a simple bolognese recipe and adapt it to improve nutritional content	

Y5/6 (B)	**Textiles: Waistcoats** Using a combination of textiles skills such as attaching fastenings, appliqué and decorative stitches, children design, assemble and decorate a waistcoat for a chosen purpose		**Structure: Playgrounds** Research existing playground equipment and their different forms, before designing and developing a range of apparatus to meet a list of specified design criteria		**Digital world: Navigating the world** Design and program a navigation tool to produce a multifunctional device for trekkers using CAD 3D modelling software. Pitch and explain the product to a guest panel	