



Design Technology Overview Cycle A				
	EYFS	KS1	LKS2	UKS2
Term 1	Making Bread KEPs - I can make observations using correct vocabulary. - I can talk about how ingredients change when they are mixed or cooked. Windmills KEPs - I can explore a range of materials. - I can attach materials. - I can talk about what I have made.			
Term 2	Diva Lamps KEPs - I can safely use and explore clay. - I can use tools, techniques and experiment with colour, design and form.	Textiles – Sewing - To know which equipment is needed to sew material together. - I can use key vocabulary, as relevant to the project: seam, thread, stitch.	Pneumatics KEPs - I can understand how pneumatic systems work. - I can explain that mechanisms are a system of parts that work together to create motion. - I can create a pneumatic system to create a desired motion.	Textiles – Slippers KEPs - I can cut fabric accurately. - I can follow a design criteria - I can use stitches to join fabrics
Term 3	Evil Pea Traps KEPs I can share the trap I have made			

KEPs = Knowledge End Points – this is the key knowledge children should retain by the end of the unit and can be used as an assessment point. KEPs link directly to the National Curriculum, Development Matters and Early Learning Goals.



	and talk about how I made it. I can make suggestions about how I can improve it.			
Term 4	Easter Nests KEPs - I can make observations using the correct vocabulary. - I can talk about how chocolate changes as it melts.	Diorama Sliders KEPs - I can understand that different mechanisms produce different types of movement. - I can use key vocabulary to describe the movement of the slider (left, right, sideways, up, down). - I can create a simple slider mechanism.	Moving Pictures KEPs - I can explain how levers, gears and cogs work. - I can create a moving part in my picture. - I can adapt my product to ensure it works properly.	Night Lights KEPs - I can refer to a design to keep the ideas focused. - I can use and understand the use of a micro:bit in my nightlight product. - I can evaluate and modify the design of my nightlight product.
Term 5				
Term 6		Moving Vehicles KEPs - I can explain the purpose of their product (that the finished model can be moved on wheels with ease). - To know what components are needed to construct a moving vehicle and use this to select materials according to which are most suitable.	Textiles – Sewing (what will you be doing?) - I can explain how the use of prototypes and pattern pieces influenced my final design. - I can use a range of techniques to embellish my design. - I can use a range of stitching techniques to join fabric together.	Pulleys and gears KEPs - I can explain the difference between a pulley and a gear. - I can include a pulley/gear into my design. - I can consider the opinions of others to improve my work.