



Design Technology Knowledge End Points Cycle A

	EYFS	KS1	LKS2	UKS2
Term 1				
Term 2	<p>Ourselves (Diwali) KEPs</p> <ul style="list-style-type: none">I can safely use and explore clay.I can use tools, techniques and experiment with colour, design and form. <p>Fairytales KEPs</p> <ul style="list-style-type: none">I can design and make a fairytale prop using different materials, tools and techniques.	<p>Textiles – Sewing</p> <ul style="list-style-type: none">To know which equipment is needed to sew material together.I can use key vocabulary, as relevant to the project: seam, thread, stitch.	<p>Pneumatics KEPs</p> <ul style="list-style-type: none">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.	<p>Textiles – Slippers KEPs</p> <ul style="list-style-type: none">I can cut fabric accurately.I can follow a design criteriaI can use stitches to join fabrics
Term 3				
Term 4	<p>Superheroes KEPs</p> <ul style="list-style-type: none">I can share the trap I made for the Evil Pea and talk about how I made it.I can make suggestions about how I can improve it.	<p>Diorama KEPs</p> <ul style="list-style-type: none">I can understand that different mechanisms produce different types of movement.Understand the steps to make a moving picture or toy	<p>Moving Pictures KEPs</p> <ul style="list-style-type: none">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.	<p>Night Lights KEPs</p> <ul style="list-style-type: none">I can name key circuit components used to create a functioning circuit.I can refer to a design to keep the ideas focused.I can map out where different components of the circuit will go.



Term 5	Woodwork KEPs			
Term 6		Moving Vehicles KEPs <ul style="list-style-type: none">• 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?) <ul style="list-style-type: none">• I can explain how the use of prototypes and pattern pieces influenced my final design.• I can strengthen, stiffen and reinforce existing fabrics.• I can use a range of stitching techniques to join fabric together.	Tudor Houses KEPs <ul style="list-style-type: none">• I can explain why prototypes are used in the design process.• I can name the tools needed for building a wooden structure and explain how to use them safely (junior hack saw, clamp, bench hook, sandpaper).• I can explain why I have chosen to use specific finishing techniques (must link to Tudor architecture).