

DT Knowledge End Points Cycle B				
	EYFS	KS1	LKS2	UKS2
Term 1	<b>Ourselves (Diwali) KEPs</b> <ul style="list-style-type: none"> <li>I can safely use and explore clay.</li> <li>I can use tools, techniques and experiment with colour, design and form.</li> </ul>			
Term 2	<b>Fairytales KEPs</b> <ul style="list-style-type: none"> <li>I can design and make a fairytale prop using different materials, tools and techniques.</li> </ul>	<b>Tudor Houses KEPs</b> <ul style="list-style-type: none"> <li>I can create a simple hinge (door, window)</li> <li>I can strengthen materials (e.g. roof)</li> <li>I can critically evaluate my own and each other's work (<i>say what I like about it, and what could be improved</i>)</li> </ul>	<b>Electrical Christmas decoration KEPs</b> <ul style="list-style-type: none"> <li>I can evaluate existing battery powered Christmas decorations to aid a design.</li> <li>I can design, create and make a Christmas decoration with a simple circuit including a switch, bulb/s and battery.</li> </ul>	<b>WW2 Planes KEPs</b> <ul style="list-style-type: none"> <li>I can manipulate wire to create a solid frame for a model plane.</li> <li>I can create a plane model which represents a WWII plane.</li> </ul>
Term 3	<ul style="list-style-type: none"> <li></li> </ul>	<b>Fruit Salad KEPs</b> <ul style="list-style-type: none"> <li>I can explain why hygiene is important when preparing food.</li> <li>I can cut fruit safely.</li> <li>I can explain where in the world the fruits have come from.</li> </ul>		

**EYFS Skills: Expressive Arts & Design. ELG: Creating with Materials**

- Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function
- Share their creations, explaining the process they have used
- Make use of props and materials when role playing characters in narratives and stories.

**KS1 & KS2 Skills:**

- Design, Make, Evaluate & Improve
- Cooking & Nutrition
- Construction, Mechanics & Electronics
- Materials
- Take inspiration from design

**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.

Term 4	<p><b>Superheroes KEPs</b></p> <ul style="list-style-type: none"> <li>I can share the trap I made for the Evil Pea and talk about how I made it.</li> <li>I can make suggestions about how I can improve it.</li> </ul>		<p><b>Italian cuisine KEPs</b></p> <ul style="list-style-type: none"> <li>I can explain why I need a healthy and varied diet.</li> <li>I can prepare and cook a dish using a range of cooking techniques e.g. cutting with knives, grating and measuring ingredients accurately.</li> <li>I can explain how the ingredients used in my dish are grown and processed and which season they grow best in.</li> </ul>	<p><b>Wonka Room KEPs</b></p> <ul style="list-style-type: none"> <li>I can explain how gears and pulleys work.</li> <li>I can explain why I have chosen specific materials to work with.</li> <li>I can use an electrical motor to power the pulleys or gears.</li> </ul>
Term 5	<ul style="list-style-type: none"> <li></li> </ul>		<p><b>Sandwiches and Packaging KEPs</b></p> <ul style="list-style-type: none"> <li>I can design my sandwich packaging based on ideas gathered from research (<i>this will also include CAD from Purple Mash</i>).</li> <li>I can use materials to strengthen my packaging.</li> <li>I can explain why my sandwich filling is healthy.</li> </ul>	<p><b>Greek Food KEPs</b></p> <ul style="list-style-type: none"> <li>I can explain how my ingredients are grown and processed.</li> <li>I can prepare ingredients for a dish – halloumi, lettuce, tomatoes, cucumber.</li> <li>I can use cooking techniques (frying halloumi) to make a dish.</li> </ul>
Term 6		<p><b>Structures KEPs</b></p>	<p><b>Moving Pictures KEPS</b></p>	<p><b>Shadow Puppets KEPs</b></p>

**EYFS Skills: Expressive Arts & Design. ELG: Creating with Materials**

- Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function
- Share their creations, explaining the process they have used
- Make use of props and materials when role playing characters in narratives and stories.

**KS1 & KS2 Skills:**

- Design, Make, Evaluate & Improve
- Cooking & Nutrition
- Construction, Mechanics & Electronics
- Materials
- Take inspiration from design

**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.

		<ul style="list-style-type: none"> <li>• I can name structures in the environment and identify some of the materials used.</li> <li>• I can explore how to strengthen a structure.</li> <li>• I can use materials and construction kits to create a free-standing structure.</li> </ul>	<ul style="list-style-type: none"> <li>• I can explain how levers, gears and cogs work.</li> <li>• I can create a moving part in my picture.</li> <li>• I can adapt my product to ensure it works properly.</li> </ul>	<ul style="list-style-type: none"> <li>• I can use exploding diagrams in a design brief to explain how different elements of my puppets and theatre will work.</li> <li>• I can choose appropriate materials to make puppets with moving parts and different colours.</li> <li>• I can use an electrical system in my puppet theatre product.</li> </ul>
--	--	---	--	--

**EYFS Skills: Expressive Arts & Design. ELG: Creating with Materials**

1. Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function
2. Share their creations, explaining the process they have used
3. Make use of props and materials when role playing characters in narratives and stories.

**KS1 & KS2 Skills:**

1. Design, Make, Evaluate & Improve
2. Cooking & Nutrition
3. Construction, Mechanics & Electronics
4. Materials
5. Take inspiration from design

**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.