

D.T Long term plans – Year 3 & 4 – Cycle 1

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 3 & 4 (3)	<p><b>Mechanical Systems</b> <b>Pneumatic Toys</b></p> <ul style="list-style-type: none"> <li>* Know and understand how pneumatic systems work</li> <li>* Know how to design a toy that uses a pneumatic system</li> <li>* Know how to create a pneumatic system</li> <li>* Know how to test and finalise ideas against success criteria.</li> </ul>		<p><b>Digital World</b> <b>Mindful moments</b></p> <ul style="list-style-type: none"> <li>* Know how to evaluate existing products.</li> <li>* Know how to make a design criteria.</li> <li>* Know how to program and control a product.</li> <li>* Know how to develop and communicate ideas.</li> <li>* Know how to develop ideas through computer aided design.</li> <li>* Know how to consider feedback and evaluate a product.</li> </ul>		<p><b>Electrical Systems</b> <b>Electric Poster</b></p> <ul style="list-style-type: none"> <li>* Know the purpose of information design</li> <li>* Know to research a set topic to develop a range of initial ideas</li> <li>* Know how to develop an initial idea into a final design.</li> <li>* Know how to assemble my final design and incorporate a simple circuit.</li> </ul>	

DT Long term plan – Year 5 & 6 - Cycle 1

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 5 & 6	<p><u>Cooking and nutrition</u> Developing a recipe</p> <ul style="list-style-type: none"> <li>* Know how ingredients are reared and processed.</li> <li>* Know how to make adaptations to design a recipe.</li> <li>* Know how to evaluate nutritional content.</li> <li>* Know and practice food preparation skills.</li> <li>* Know how to design an effective product label.</li> <li>* Know how to follow and make an adapted recipe.</li> </ul>		<p><u>Structures</u> Bridges</p> <ul style="list-style-type: none"> <li>* Know how to reinforce a beam structure to reinforce its strength</li> <li>* Know how to build a spaghetti truss bridge</li> <li>* Know how to build a wooden truss bridge</li> <li>* Know how to complete, reinforce and evaluate my truss bridge.</li> </ul>		<p><u>Electrical Systems</u> Steady Hand Game</p> <ul style="list-style-type: none"> <li>* Know how to research and analyse a range of children's toys</li> <li>* Know how to design a steady hand game</li> <li>* Know how to construct a stable base</li> <li>* Know how to assemble electronics to complete their electronic game.</li> </ul>	

