



## DT Long Term Plan

	Term 1	Term 2	Term 3	Other coverage
F 1	<b>Once Upon a Time</b> <ul style="list-style-type: none"> <li>- Making a puppet</li> <li>- Textiles – creating with materials.</li> </ul>	<b>Dangerous Dinosaurs</b> <ul style="list-style-type: none"> <li>- ICT/split pin dinosaur.</li> <li>- Mechanisms – creating with materials.</li> </ul>	<b>Sunshine and Sunflowers</b> <ul style="list-style-type: none"> <li>- Plan a picnic.</li> <li>- Cookery – snacks in the sun</li> </ul>	
F 2	<b>Marvellous Machines</b> <ul style="list-style-type: none"> <li>- Create a new machine</li> <li>- Mechanisms - Creating with materials</li> </ul> <b>Puppets and Pop ups</b> <ul style="list-style-type: none"> <li>- Make a puppet</li> </ul>	<b>Long Ago</b> <ul style="list-style-type: none"> <li>- Dolly pegs: an old fashioned toy</li> </ul> <b>Ready, Steady, Grow</b> <ul style="list-style-type: none"> <li>- Fruit salad</li> <li>- Food and Farming</li> </ul>	<b>Creep, Crawl, Wriggle</b> <ul style="list-style-type: none"> <li>- Using clay to make a mini-beast</li> <li>- Structures – Creating with materials</li> </ul>	
Y 1	<b>Shade and Shelter (6hrs)</b> <ul style="list-style-type: none"> <li>- Design and create a play den.</li> <li>- Investigating existing products; Designing and making shelters and dens; Prototypes; Safety rules; Materials</li> </ul>	<b>Taxi! (7hrs)</b> <ul style="list-style-type: none"> <li>- Design and create a London taxi</li> <li>- Mechanisms – wheels, axles and chassis</li> </ul>	<b>Chop, Slice, Mash (5hrs)</b> <ul style="list-style-type: none"> <li>▪ Design and make a supermarket sandwich.</li> <li>▪ Sources of food; Food preparation techniques; Hygiene rules; Designing and making salads and sandwiches</li> </ul>	<i>Textiles covered through Art: Funny Faces; cutting and joining fabrics, running stitch.</i>
Y 2	<b>Remarkable Recipes (6hrs)</b> <ul style="list-style-type: none"> <li>▪ Design and make a new school meal</li> <li>▪ Sources of food; Kitchen tools; Reading recipes; Hygiene rules; Making a school meal</li> </ul>	<b>Beach Hut (7-8hrs)</b> <ul style="list-style-type: none"> <li>▪ Design and make a beach hut.</li> <li>▪ Structures: strengthening and joining</li> </ul>	<b>Cut, Stitch and Join (9hrs)</b> <ul style="list-style-type: none"> <li>▪ Designing and making a bag tag</li> <li>▪ Everyday fabric products; Significant designer – Cath Kidston; Sewing patterns; Running stitch; Adding embellishments;</li> </ul>	

			<b>Push and Pull (8hrs)</b> <ul style="list-style-type: none"> <li>▪ Designing and making greetings cards with moving parts</li> <li>▪ Machines and mechanisms; Sliders, levers and linkages;</li> </ul>	
<b>Y 3</b>	<b>Cook Well, Eat Well (6hrs)</b> <ul style="list-style-type: none"> <li>▪ Making taco fillings</li> <li>▪ Food groups; Eatwell guide; Methods of cooking; Cooking appliances; Hygiene rules;</li> </ul>	<b>Making It Move (7-8hrs)</b> <ul style="list-style-type: none"> <li>▪ Design and make an automaton toy</li> <li>▪ Cam mechanisms; Designing and making automaton toys; Cutting, joining, strengthening and finishing</li> </ul>	<b>Greenhouse (9hrs)</b> <ul style="list-style-type: none"> <li>▪ Make a mini greenhouse</li> <li>▪ Features of greenhouses; Significant designers – Sir Joseph Paxton and Sir Nicholas Grimshaw; Strengthening techniques; Using tools and safety rules; Properties of materials; Constructing strong frameworks</li> </ul>	<i>Textiles covered through Art: Beautiful Botanicals; a loom, weaving, cutting and joining wools.</i>
<b>Y 4</b>	<b>Fresh Food, Good Food (8hrs)</b> <ul style="list-style-type: none"> <li>▪ Designing, making and packaging healthy snacks</li> <li>▪ Food preservation techniques; Exploring food packaging; Prototypes;</li> </ul>	<b>Functional Fancy Fabrics (11hrs)</b> <ul style="list-style-type: none"> <li>▪ Designing and making patterned and embellished fabric</li> <li>▪ Fabrics; Design features; Significant designer – William Morris; Stitching a hem; Embellishment;</li> </ul>	<b>Tomb Builders (7hrs)</b> <ul style="list-style-type: none"> <li>▪ Designing a machine</li> <li>▪ Simple and compound machines, simple machines, including wheels, axles, inclined planes, pulleys and levers, exploring how they helped ancient builders to lift and move heavy loads.</li> </ul>	<i>Structures covered in Fresh Food, Good Food; strengthening, stiffening and reinforcing paper/ card.</i>
<b>Y 5</b>	<b>Moving Mechanisms (7hrs)</b> <ul style="list-style-type: none"> <li>▪ Building pneumatic machine prototypes</li> <li>▪ Pneumatic systems; Joining and finishing; Iterative design process;</li> </ul>	<b>Eat the Seasons (6-7hrs)</b> <ul style="list-style-type: none"> <li>▪ Designing and making a healthy seasonal soup</li> <li>▪ Cooking; Nutrition</li> </ul>	<b>Engineer (7hrs)</b> <ul style="list-style-type: none"> <li>▪ Designing and building a bridge.</li> <li>▪ Significant engineers and bridges; Features of bridges; Strengthening techniques; Iterative design; Building prototypes</li> </ul>	<i>Textiles covered through Art: Mixed Meda; collage, fabric, ink.</i>
<b>Y 6</b>	<b>Food for Life (7-8hrs)</b> <ul style="list-style-type: none"> <li>▪ Designing and making healthy meals</li> <li>▪ Whole foods; Processed foods; Making healthy meals; Hygiene and safety</li> </ul>	<b>Playgrounds (Kapow) (7hrs)</b> <ul style="list-style-type: none"> <li>▪ Designing and building a model playground</li> <li>▪ Using finishing techniques, such as cladding, to give the playground a professional finish.</li> </ul>	<b>Make Do and Mend (9hrs)</b> <ul style="list-style-type: none"> <li>▪ Making new products from recycled materials</li> <li>▪ Investigating clothing; Sewing – running stitch, whip stitch and blanket stitch; Repairing clothes;</li> </ul>	<i>Mechanisms covered through Science; circuits, switches etc. with the option of covering pneumonics in computing.</i>

**Cookery   Textiles   Structures   Mechanisms**