

DT Long term plan

DT Curriculum Overview						
FS1 and FS2	Marvellous Me Colours of the Rainbow		Mirror Mirror... Animal Kingdoms		Enchanted Gardens Let's Explore	
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Cooking and nutrition	Fruit and Vegetables - learn about basic cooking methods and nutrition. Explore a range of fruit and vegetables before making their own fruit smoothie.	A balanced diet - learn about different cooking methods and nutrition. Continue to explore a range of fruit and vegetables before making a nutritious wrap.	Eating seasonally - learn about a healthy and varied diet as well as seasonality. Make a tart using seasonal ingredients.	Adapting a recipe - continue to develop their understanding of a varied diet. Make healthy choices based on this knowledge to create their own biscuit from an adapted recipe.	What could be healthier? - continue to develop their knowledge of cooking and nutrition. Prepare, weigh and combine food using a range of techniques. Create a healthy Bolognese sauce.	Come dine with me -- continue to develop their knowledge of cooking and nutrition. Select, prepare, weigh and combine ingredients to create a three course meal.
Structures and mechanisms	Windmills - learn about simple freestanding structures and explore windmills. Design and construct a windmill to fit a design criteria.	Moving monsters - learn about simple mechanisms and explore levers, linkages and pivots. Design and construct a moving monster, using linkages, following a design criteria.	Slingshot cars - use a range of materials, to make the chassis of their car and the slingshot launch mechanism. Design and make the car body to cover their chassis.		Bridges - continue to develop their understanding of structures. Investigate different types of bridges, exploring how different shapes can affect a bridges strength. They will make a prototype to test their design before using their wood work skills to create a frame structure with diagonal struts to strengthen.	
Electrical systems				Doodlers - Investigate an existing product working out how the product has been constructed, ready to develop their own. Write a design criteria based on the knowledge learned from the investigation and develop a new Doodler design and then construct it.		Steady hand game - continue to develop their understanding of electrical systems. Design and make a steady hand game. They will use nets to create their base and their knowledge of electrical circuits to build a circuit with a buzzer which sounds when the handle makes contact with the wire frame.
Textiles	Bookmarks - practise threading and weaving	Puppets - continue to develop their sewing skills	Pouches - develop textile skills, practice how to	Cushions using cross stitch and applique - continue to	Fastenings - explore different fastenings	Stuffed toys - decide upon a simple shape on which to

	<p>techniques using various materials and objects. Apply their knowledge and skills to design and sew their own bookmarks.</p>	<p>and explore joining techniques. Design a puppet, use a simple template, join fabric and then decorate their puppet.</p>	<p>tread a needle and sew a running stitch. Create templates for a fabric pouch before cutting out the fabric pieces and sewing them together. Finally, decorate their pouch.</p>	<p>develop their textile skills, follow a design criteria, select and cut fabrics using fabric scissors, thread needles and tie knots with greater independence. Learn cross stitch and decorate using applique.</p>	<p>considering advantages and disadvantages. Devise their own design criteria, create a mock-up, which will be used as a template, to cut out their fabric before making their own book sleeve. Attach fastenings and decorate their book sleeves in accordance with their design criteria.</p>	<p>base their stuffed toy on, decide on the materials that they will use and use a variety of stitches that they have learnt in previous units. They will be introduced to and practise the blanket stitch and use this to create their toy. The child will add any extra items, appendages and decorative stitches, that they have learnt previously, before assembling their stuffed toys.</p>
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