



# Gwladys Street C P and N School Long Term Plan - DT



	<b>Autumn</b>	<b>Spring</b>	<b>Summer</b>
<b>Year 1</b>	<b>Toys</b>	<b>Poles Apart</b>	<b>Flight</b>
	<p>Food- Preparing fruit and vegetables. Creating a healthy snack for a teddy bears picnic using cutting skills and recognising how to keep safe with food.</p>	<p>Freestanding Structures – focusing on making a model stronger. Creating a shelter for an arctic animal.</p> <p style="color: red;">Visit/Visitors: Nature Friendly Schools- building shelters for an arctic animal. End of topic. Understanding the purpose of a structure. How to make a structure strong, sustainable, purposeful, stable and stiffer. Making an appropriate structure for an arctic animal to survive. Using correct vocabulary in relation to structures.</p>	<p>Mechanisms-Leavers and sliders- making a moving product. Making a hot air balloon with a moving part.</p>
<b>Year 2</b>	<b>London’s Burning</b>	<b>Indian Spice</b>	<b>Pioneers</b>
	<p>Freestanding Structures. using reclaimed materials and construction kits to make a landmark in London. Focusing on making the model stable and strong.</p> <p style="color: red;">Visit/Visitors: Steph O’Donnell workshop- Models of London Landmarks towards end of the topic for final project. Using the correct vocabulary in relation to structures. Using finishing techniques such as measuring, marking, cutting etc. Using the appropriate tools and explaining choices. Knowing how to</p>	<p>Food – preparing fruit and vegetables. Following a recipe to prepare and make a healthy Indian snack. Understanding where fruit and vegetable produce comes from.</p>	<p>Mechanisms- Wheels and axels. Joining materials and different components in different ways to create a train or car.</p>

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	make their structure stronger, stiffer and stable.		
<b>Year 3</b>	<b>Meet the Flintstones/Tomb Raiders</b>	<b>Journey through Europe</b>	<b>Extreme survival</b>
	Mechanisms- Levers and linkages. Using flaps, sliders and levers to create an information book using a pop-up based on the stone age or Egyptians.	Structures- Shell Structures. Using 2D and 3D shapes to create an airport. Developing prototypes to make them stronger and stiffer shell structures.	Food- Healthy and varied diet. Working hygienically to create a meal to help with survival – food linked to energy - using seasonal products.
<b>Year 4</b>	<b>Roman Rule</b>	<b>World's Kitchen</b>	<b>Crime and Punishment</b>
	Mechanical systems- Levers and linkages. Designing and creating a Roman Catapult using a prototype to improve a design.  Visit: Roman Rule- Building catapults at Lego Discovery Centre Manchester End of topic.	Food – Healthy and varied diet. Working hygienically and safely to create a dish from each continent of the world using research and planning and using a recipe.	Structures – Shell Structures. Using materials with functional properties and aesthetic qualities and using finishing techniques suitable for the product they are creating to make a 3d model of a famous landmark.
<b>Year 5</b>	<b>Mexico and the Mayans</b>	<b>Wild Rivers</b>	<b>Invaders</b>

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	<p>Food- Celebrating culture and Seasonality. Understanding seasonality and knowing how and where ingredients are grown, reared, caught and processed. Creating Aztec Food.</p> <p>Visit/Visitors: DT Fun Food Chef- making the bread/ Mexican food. Towards end of topic.</p> <p>Learning about food hygiene, nutrition, healthy eating and a varied diet. Knowing how to use appropriate equipment and utensils, and knowing how to combine ingredients together. Learning how to follow and write a recipe.</p> <p>Using a combination of techniques to make a savoury food products.</p>	<p>Structures- Frame Structures – creating an innovative bridge design using a prototype.</p> <p>Designing and making a moving bridge using hydraulics.</p>	<p>Structures- Frame structures -making a prototype before the final version.</p> <p>Final product – making a model of a Saxon house to create a Saxon village.</p>
<b>Year 6</b>	<b>Greece Lightning</b>	<b>Disaster</b>	<b>Rule Britannia</b>
	<p>Celebrating culture and Seasonality- Food. Learning that recipes can be adapted and changed to suit appearance, taste, texture and aroma. Creating a Greek banquet for a Greek ruler following a recipe.</p>	<p>Structures- Frame Structures – follow and refine plans and evaluate products against a criteria. Design and create and a Pompeii souvenir which can be sold to a tourist.</p>	<p>Textiles–Combining different fabric shapes. Using a combination of stitching techniques to create a tapestry using different stitching techniques.</p>

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