

*Our plan for progression in Design and Technology and how it meets the aims of the National Curriculum.*

*The 'Big Idea' of our long term plans and how they link to our local area.*

<p><b>KS1 A</b></p>	<p><b>Superheroes Textiles</b> The children will design and make a mask for a superhero. They will link learning from science where they will discover more about the properties of materials to help them choose suitable materials. They will investigate different joining techniques for fabric.</p>	<p><b>Amazing Animals Structures</b> The children will design and make a suitable structure for an animal enclosure. They will link their learning from science where they will discover more about animal needs and habitats. They will investigate making structures more stable using construction materials.</p>	<p><b>What a Wonderful World Structures</b> The children will observe the most amazing bridges around the world and find out about different designs. They will investigate making bridges with different criteria and build on knowledge from last term about how to make structures stable using wood , paper or found materials.</p>
<p><b>KS1 B</b></p>	<p><b>Science and Story Mechanisms sliders and levers</b> The children will design a machine with levers to lift heavy loads to help the little wolves lift the heavy loads needed for their house building project. Use 'The 3 little wolves and the big bad pig' and the information book <a href="https://www.amazon.co.uk/Levers-Simple-Technology-Mandy-Suhr/dp/075025954X">https://www.amazon.co.uk/Levers-Simple-Technology-Mandy-Suhr/dp/075025954X</a> Investigate other sliders and levers as moving pictures through CP activities.</p>	<p><b>Fabulous Food and Fairy Tales Food</b> The children will design and make a healthy picnic for Mr. Grinling and a more appropriate bird snack for the seagulls. They will like learning from science where they will discover more about what humans and animals eat and need to stay healthy.</p>	<p><b>Down in the Jungle Mechanisms wheels and axles</b> The children will use 'Mrs Armitage's Bicycle' as inspiration and an insight into the design process. They will design and make a vehicle to transport them safely through the jungle and construct a simple axle for the wheels.</p>
<p><b>KS2 A</b></p>	<p><b>Walk Like an Egyptian</b> The children will make a shadow out of dowel by measuring and cutting accurately, strengthening as necessary.</p>	<p><b>The Super-humans</b> The children will make Greek temples based on the Acropolis using paper and other found material, strengthening it with different techniques.</p>	<p><b>Rambling Round the Rainforest</b> The children will look at textiles work by Julie Bull before designing their own. They will investigate the different effects created by Brusho and then stitch felt onto the fabric and embellish</p>
<p><b>KS2 B</b></p>	<p><b>Location, Location, Location</b> Children will design and build an Anderson shelter before adding an electrical system. They will use cross stitch to create a bookmark or calendar</p>	<p><b>Caesar Seizes Chester</b> Children will learn woodworking skills of measuring and cutting accurately to make a Roman chariot with moving wheels.</p>	<p><b>The Flintstones</b> The children will bake stone age bread</p>