










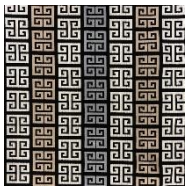

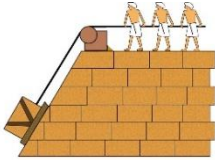
D&T Topic Overview

Design and Technology is taught in Autumn Term 2 and Summer Term 2





Key Stage 1

Year R/1		Year 1/2		Year 2	
Autumn Term 2	Spring Term 2	Autumn Term 2	Spring Term 2	Autumn Term 2	Spring Term 2
<p>Ready, Steady, Grow</p> 	<p>Shade and Shelter</p> 	<p>Chop, Slice and Mash</p> 	<p>Taxi</p> 	<p>Remarkable Recipes</p> 	<p>Turrets, Tunnels and Towers (Bridges)</p> 
<p>This project teaches children about food and farming and explores themes, including where food comes from, what plants and animals need to grow and survive and what constitutes a healthy lifestyle.</p> <p>Design, Make and Evaluate a salad.</p>	<p>This project teaches children about the purpose of shelters and their materials. They name and describe shelters and design and make shelter prototypes. Children then design and build a play den as a group and evaluate their completed product.</p> <p>Focus – Materials and Structures <i>(Build a waterproof shelter)</i></p>	<p>This project teaches children about sources of food and the preparatory skills of peeling, tearing, slicing, chopping, mashing and grating. They use this knowledge and techniques to design and make a supermarket sandwich according to specific design criteria.</p> <p>Design, Make and Evaluate a healthy sandwich.</p>	<p>This project teaches children about wheels, axles and chassis and how they work together to make a vehicle move.</p> <p>Focus - Mechanisms <i>(Wheels and axels – make a moving taxi)</i></p>	<p>This project teaches children about sources of food and tools used for food preparation. They also discover why some foods are cooked and learn to read a simple recipe. The children choose and make a new school meal that fulfils specific design criteria.</p> <p>Design, Make and Evaluate a new healthy school meal.</p>	<p>Teach children about design, structures and materials. This project develops children's knowledge of how to successfully design and build model bridges and buildings.</p> <p>Focus – Materials and Structures <i>(Develop 3 – Build a Bridge)</i></p>

Lower Key Stage 2

Year 3		Year 3/4		Year 4/5	
Autumn Term 2	Spring Term 2	Autumn Term 2	Spring Term 2	Autumn Term 2	Spring Term 2
<p>Scrumdiddlyumtious</p> 	<p>Make it Move</p> 	<p>Cook Well, Eat Well</p> 	<p>Fancy Fabrics</p> 	<p>Fresh Food, Good Food</p> 	<p>Mega Machine</p> 
<p>Children explore the tasty world of food, developing their knowledge of food groups, food origins, healthy eating and physical changes during cooking.</p> <p>Design, Make and Evaluate a pasta salad.</p>	<p>This project teaches children about cam mechanisms. They experiment with different shaped cams before designing, making and evaluating a child's automaton toy.</p> <p>Focus – Mechanisms <i>(Cams – Make a child's toy)</i></p>	<p>This project teaches children about food groups and the Eatwell guide. They learn about methods of cooking and explore these by cooking potatoes and ratatouille. The children choose and make a taco filling according to specific design criteria.</p> <p>Design, Make and Evaluate a taco filling.</p>	<p>This project teaches children about home fabric products and They use their learning to create printed and embellished fabrics.</p> <p>Focus – Materials <i>(Design and create a Greek inspired embellished fabric')</i></p>	<p>This project teaches children about food decay and preservation. They discover key inventions in food preservation and packaging, then make examples. The children prepare, package and evaluate a healthy snack.</p> <p>Design, Make and Evaluate a healthy snack.</p>	<p>This project teaches children about simple machines, including wheels, axles, inclined planes, pulleys and levers, exploring how they helped ancient builders to lift and move heavy loads.</p> <p>Focus – Mechanisms <i>(Pulleys and Levers – Create a mega machine to pull a Viking longboat up onto the shore)</i></p>

Upper Key Stage 2

Year 5/6		Year 6	
Spring Term 1	Summer Term 1	Spring Term 1	Summer Term 1
<p>Eat the Seasons</p> 	<p>Make Do and Mend</p> 	<p>Food for Life</p> 	<p>Pneumatics</p> 
<p>This project teaches children about the meaning and benefits of seasonal eating, including food preparation and cooking techniques.</p> <p>Design, Make and Evaluate soup.</p>	<p>This project teaches children a range of simple sewing stitches, including ways of recycling and repurposing old clothes and materials.</p> <p>Focus – Materials <i>(Make /a pin cushion)</i></p>	<p>This project teaches children about processed food and healthy food choices. They make bread and pasta sauces and learn about the benefits of whole foods. They plan and make meals as part of a healthy daily menu and evaluate their completed products.</p> <p>Design, Make and Evaluate a healthy daily menu meal.</p>	<p>This project teaches children about pneumatic systems. They experiment with pneumatics before designing, making and evaluating a pneumatic machine that performs a useful function.</p> <p>Focus – Mechanisms <i>(Shelter with a pneumatic door?)</i></p>