

## D&T Overview

Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>EYFS</b>	The foundations for D&T begin in EYFS: nursery and reception. In nursery children learn how to select different resources, develop large muscle movements and begin to develop fine motor skills which are needed to develop D&T skills throughout school. Children explore how things work through play in small construction. In reception children continue to develop their fine motor skills to use a range of tools. We use the consistent vocabulary of design and make and talk about how we can improve and adapt our creations in areas such as small construction, junk modelling and food technology.					
<b>1</b>		<p><b>Aspect of DT</b> Mechanisms - Wheels &amp; Axles</p> <p><b>Project Title</b> Design, make and evaluate a rolling vehicle for a child's toy</p>		<p><b>Aspect of DT</b> Food - preparing fruit and vegetables</p> <p><b>Project Title</b> Design, make and evaluate a pizza for a family member</p>		<p><b>Aspect of DT</b> Templates and joining techniques</p> <p><b>Project Title</b> Design, make and evaluate a bag (product) for collecting objects on the way to school.</p>
<b>2</b>		<p><b>Aspect of DT</b> Sliders and levers</p> <p><b>Project Title</b> Design, make and evaluate a poster for a family member to teach them about how the Great Fire of London spread</p>	<p><b>Aspect of DT</b> Food - preparing fruit and vegetables</p> <p><b>Project Title</b> Design, make and evaluate a fruit kebab for ourselves to celebrate fruit from around the world</p>		<p><b>Aspect of DT</b> Freestanding structures</p> <p><b>Project Title</b> Design, make and evaluate a model of a playground equipment for children aged 5-7 for safe and fun play</p>	
<b>3</b>		<p><b>Aspect of DT</b> Food</p> <p><b>Project Title</b> Design, make and evaluate a sandwich (product) for visitors (user) for tasting (purpose)</p>		<p><b>Aspect of DT</b> Shell Structures</p> <p><b>Project Title</b> Design, make and evaluate a box (product) for a Stone/Bronze/Iron Age settler (user) for storing their material – stone, bronze or Iron (purpose)</p>		<p><b>Aspect of DT</b> 2D to 3D product</p> <p><b>Project Title</b> Design, make and evaluate a small purse/clutch bag for an early settler to carry their precious items in. (Ancient Civilisations)</p>

4		<p><b><u>Aspect of DT</u></b> Electrical Systems - Simple Circuits and switches</p> <p><b><u>Project Title</u></b> Design, make and evaluate an electrical toy for younger children for entertainment.</p>		<p><b><u>Aspect of DT</u></b> Mechanical Systems – Levers and Linkages.</p> <p><b><u>Project Title</u></b> Design, make and evaluate a pneumatic suspension bridge for water vehicles to allow passage for boats or barges.</p>		<p><b><u>Aspect of DT</u></b> Food – Healthy and Varied Diet</p> <p><b><u>Project Title</u></b> Design, make and evaluate an Italian pasta salad for children to promote healthy living.</p>
5		<p><b><u>Aspect of DT</u></b> Frame Structures</p> <p><b><u>Project Title</u></b> Design, make and evaluate a longhouse for a Viking family for shelter.</p>	<p><b><u>Aspect of DT</u></b> Celebrating culture and seasonality</p> <p><b><u>Project Title</u></b> Design, make and evaluate an energy bar for an explorer for nutrition and energy.</p>			<p><b><u>Aspect of DT</u></b> Using computer-aided design (CAD) in textiles</p> <p><b><u>Project Title</u></b> Design, make and evaluate a flag for a country for national identity.</p>
6		<p><b><u>Aspect of DT</u></b> Textiles</p> <p><b><u>Project Title</u></b> Design, make and evaluate a bag for the wartime public during WW2 that uses old fabrics to ‘make do and mend’</p>		<p><b><u>Aspect of DT</u></b> Mechanical Systems- Cams</p> <p><b><u>Project Title</u></b> Design, make and evaluate a cam toy (product) for visitors (user) that has a message linked to school values (purpose).</p>		<p><b><u>Aspect of DT</u></b> Electrical Systems</p> <p><b><u>Project Title</u></b> Design, make and evaluate an alarm (product) for different types of vehicles for a matching purpose (e.g. pressure sensor for a truck or flashing lights for a police car)</p>