

Design and Technology – Progression of Key Skills and Knowledge

Cohort	<u>Autumn</u>	<u>Spring</u>	<u>Summer</u>
<u>EYFS</u>	<p>To join materials using tape, glue and thread. To discuss and explore products from around the world eg: toys. To discuss why I like or don't like a product. To explore different types of food preparation. To discuss healthy and unhealthy foods. To explore toys that use different mechanisms e.g. wind-up toy.</p>		
<u>Year 1</u>	<p>To create simple models of things that I know. To select and explore tools and materials to construct and join.</p>	<p>To research simple recipes. To discuss healthy foods. To manipulate tools to chop and mix food.</p>	<p>To investigate simple mechanisms. To design a product from stories I already know. To manipulate tools to cut and join.</p>
<u>Year 2</u>	<p>To research and compare products. To join fabric using different methods. To discuss changes I would make.</p>	<p>To research and investigate mechanisms with moving parts. To select and join materials to create a simple mechanism.</p>	<p>To research different designs. To manipulate tools to cut and saw. To measure materials.</p>
<u>Year 3</u>	<p>To research recipes and compare measures. To identify healthy ingredients. To select tools to chop, grate and slice foods. To evaluate and compare products.</p>	<p>To research and compare designs from around the world. To select material according to their properties. To measure materials. To select tools to cut and join materials.</p>	<p>To discuss the suitability of a design. To create and draw a net. To design and create a product. To present information in a design. To evaluate and compare designs.</p>
<u>Year 4</u>	<p>To research and compare different technologies and designs. To design a product featuring an electric loom. To create an electric loom. To evaluate and refine designs.</p>	<p>To explore different ways of manipulating paper and fabric. To create a design and refine it. To select techniques in order to create a design. To evaluate and refine a design.</p>	<p>To research and compare different designs. To identify features of common designs. To select and measure materials to create a design. To select a method to join materials.</p>

			<p>To strengthen materials.</p> <p>To test a design.</p>
<u>Year 5</u>	<p>To evaluate existing products.</p> <p>To compare similar products from around the world.</p> <p>To select ingredients and create a method.</p> <p>To create a recipe and design a product.</p>	<p>To research different moving mechanisms.</p> <p>To design a moving mechanism.</p> <p>To select parts and components to create a design.</p> <p>To evaluate and compare designs.</p>	<p>To research products and designs from around the world.</p> <p>To create multiple designs and refine them.</p> <p>To select techniques to join fabrics.</p> <p>To evaluate different products.</p>
<u>Year 6</u>	<p>To collect data to inform a design.</p> <p>To create a recipe in accordance to research.</p> <p>To measure, weigh and mix ingredients.</p> <p>To evaluate and compare products.</p>	<p>To research and discuss how products change over time.</p> <p>To create a design that includes an electric motor.</p> <p>To test and evaluate designs against design criteria.</p>	<p>To research different products.</p> <p>To design and create a model using different electrical components.</p> <p>To evaluate my design against design criteria.</p>