



# Design and Technology (Cycle A)

	Autumn 2	Spring 2	Summer 2
<b>KS1</b>	<p style="text-align: center;"><b>Food</b></p> <p>Preparing fruit to create a festive rocky road cake (including cooking and nutrition requirements for KS1)</p> <p style="text-align: center;"><i>To design, make and evaluate a healthy rocky road</i></p>	<p style="text-align: center;"><b>Structures</b></p> <p>Freestanding structures</p> <p style="text-align: center;"><i>To design and create a bridge to join two buildings/two pieces of land together</i></p>	<p style="text-align: center;"><b>Mechanisms</b></p> <p>Sliders and levers</p> <p style="text-align: center;"><i>To design and create a moving picture story</i></p>
<b>LKS2</b>	<p style="text-align: center;"><b>Food</b></p> <p>Healthy and varied diet (including cooking and nutrition requirements for KS2)</p> <p style="text-align: center;"><i>To design and bake gingerbread biscuit tree decorations</i></p>	<p style="text-align: center;"><b>Structures</b></p> <p>Shell structures (including computer-aided design)</p> <p style="text-align: center;"><i>To make a single box and lid to hold a precious gift/item</i></p>	<p style="text-align: center;"><b>Mechanical Systems</b></p> <p>Levers &amp; Linkages</p> <p style="text-align: center;"><i>To design and make a moving toy</i></p>
<b>UKS2</b>	<p style="text-align: center;"><b>Food</b></p> <p>Celebrating culture and seasonality (including cooking and nutrition requirements for KS2)</p> <p style="text-align: center;"><i>To explore, adapt and create personalised mince pies</i></p>	<p style="text-align: center;"><b>Structures</b></p> <p>Frame structures</p> <p style="text-align: center;"><i>Knex challenge</i></p>	<p style="text-align: center;"><b>Mechanical systems</b></p> <p>Pulleys, gears or cams</p> <p style="text-align: center;"><i>To design a fairground ride (Ferris wheel/merry-go-round)</i></p>



## Design and Technology (Cycle B)

	Autumn 2	Spring 2	Summer 2
<b>KS1</b>	<p style="text-align: center;"><b>Textiles</b> Templates and joining techniques</p> <p style="text-align: center;"><i>Design and make a traditional Christmas tree decoration using the sewing technique of attaching two pieces of fabric</i></p>	<p style="text-align: center;"><b>Mechanisms</b> Wheels and axis</p> <p style="text-align: center;"><i>Create a vehicle to travel along all-weather terrains</i></p>	<p style="text-align: center;"><b>Food</b> Preparing fruit and vegetables (including cooking and nutrition requirements for KS1)</p> <p style="text-align: center;"><i>To design a healthy snack to take to a Teddy Bear's picnic</i></p>
<b>LKS2</b>	<p style="text-align: center;"><b>Textiles</b> 2-D shape to 3-D product</p> <p style="text-align: center;"><i>Design and make a festive holder for pencils using stitch, zip or button</i></p>	<p style="text-align: center;"><b>Electrical Systems</b> Simple circuits and switches (including programming and control)</p> <p style="text-align: center;"><i>Make a night light or light display that can be kept on a bedside table</i></p>	<p style="text-align: center;"><b>Food</b> Healthy and varied diet (including cooking and nutrition requirements for KS2)</p> <p style="text-align: center;"><i>Plan a bread-based sandwich for lunch which is healthy AND varied. Include one item that could be eaten during Stone Age</i></p>
<b>UKS2</b>	<p style="text-align: center;"><b>Textiles</b> <b>Textiles</b> Combining different fabric shapes (including computer-aided design)</p> <p style="text-align: center;"><i>Create a Christmas stocking</i></p>	<p style="text-align: center;"><b>Electrical Systems</b> Using more complex switches and circuits (including programming, control and monitoring)</p> <p style="text-align: center;"><i>Design, create and evaluate a simple alarm</i></p>	<p style="text-align: center;"><b>Food</b> Celebrating culture and seasonality (including cooking and nutrition requirements for KS2)</p> <p style="text-align: center;"><i>To prepare a summer banquet to celebrate the departure from primary school onto new pastures (summer-related items, e.g., Cream tea/scone making?)</i></p>