



Design and Technology long term plan

Year Group	Autumn Term	Spring Term	Summer Term
Nursery	To make simple models		<ul style="list-style-type: none"> To build complex 'small worlds' with blocks and construction toy To create models using recycled boxes and learn to use simple joining techniques with tools such as scissors, tape, and glue
Reception		To plan, design and construct with a purpose in mind	To plan and design what they wish to produce, use materials and tools safely to make it and then share their creations
Year 1	<p style="text-align: center;"><u>Mechanisms</u></p> Design and make greetings pop up card using a simple fold	<p style="text-align: center;"><u>Structures</u></p> Design a simple structure that would be useful for an explorer in different environments	<p style="text-align: center;"><u>Food technology</u></p> Design and make a pizza following the steps outlined for a couscous meal
Year 2	<p style="text-align: center;"><u>Mechanisms</u></p> Design and make greetings pop up card using two simple folds	<p style="text-align: center;"><u>Structures</u></p> Design a successful structure to hold an art piece	<p style="text-align: center;"><u>Food technology</u></p> Design and make a portable snack
Year 3	<p style="text-align: center;"><u>Mechanisms</u></p> Design and make greetings card with a sliding lever	<p style="text-align: center;"><u>Pneumatics</u></p> Design and make a moving toy with an Egyptian theme using pneumatics	<p style="text-align: center;"><u>Food Technology</u></p> Design and make a chocolate bar, considering the audience, packaging and advertising
Year 4	<p style="text-align: center;"><u>Mechanisms</u></p> Design and make greetings card with circular movement (rotary motion)	<p style="text-align: center;"><u>Food Technology</u></p> Design and make a balanced Roman meal with Pompeii bread	<p style="text-align: center;"><u>Shell Structures</u></p> Design a boat for a Viking. Increase finger fluency in creating shell structures
Year 5	<p style="text-align: center;"><u>Mechanisms</u></p> Design and make greetings card with a lever fixed at one point	<p style="text-align: center;"><u>Food Technology</u></p> Design and make a seasonal medieval pottage soup	<p style="text-align: center;"><u>Finger Fluency</u></p> Design and sew a decorative lavender bag
Year 6	<p style="text-align: center;"><u>Mechanisms</u></p> Design a greetings card with a lever fixed at two points	<p style="text-align: center;"><u>Electronics</u></p> Design a torch for use in an emergency situation	<p style="text-align: center;"><u>Food Technology</u></p> Design a nutritionally balanced meal to celebrate the commonwealth