

Design Technology Curriculum Overview - Year 4

	Unit	Details
Autumn One	Electrical systems: torches	<ul style="list-style-type: none"> • Designing a torch, giving consideration to the target audience and creating both design and success criteria focusing on features of individual design ideas. • Making a torch with a working electrical circuit and switch. • Using appropriate equipment to cut and attach materials. • Assembling a torch according to the design and success criteria. • Evaluating electrical products; testing and evaluating the success of a final product
Autumn Two	Food - adapting a recipe	<ul style="list-style-type: none"> • Following a baking recipe. • Cooking safely, following basic hygiene rules. • Adapting a biscuit recipe. • Evaluating a recipe, considering: taste, smell, texture and appearance. • Evaluating and comparing a range of products and suggesting modifications. • Designing and creating appropriate packaging for the completed product.
Autumn Two	Textiles - creating a sewn greeting card	<ul style="list-style-type: none"> • Writing design criteria for a product, articulating decisions made. • Designing a personalised card. • Making and testing a paper template with accuracy and in keeping with the design criteria. • Measuring and marking a card with a chosen design based upon testing. • Selecting a stitch style to create the desired end product.. • Sewing neatly using small regular stitches. • Testing and evaluating an end product against the original design criteria.
Spring Two	Mechanical systems: slingshot car	<ul style="list-style-type: none"> • Designing a shape that reduces air resistance. • Drawing a net to create a structure from. • Choosing shapes that increase or decrease speed as a result of air resistance. • Measuring, marking, cutting and assembling with increasing accuracy. • Making a model based on a chosen design. • Evaluating the speed of a final product based on: the effect of shape on speed and the accuracy of workmanship on performance.
Summer Two	Structures: creating a pavilion	<ul style="list-style-type: none"> • We make strong, stable structures, improving our fastening skills, to create 3D structures. This improves the accuracy of our measuring and cutting skills.

Design technology is taught on a carousel with Art, which is then taught for the remainder of the year.