

Design Technology 2020-21 Yearly Overview. Pupils will complete a 9 week project in each technology discipline.

		Textiles Technology	Food Technology	Resistant Materials
KS2 (1 lesson a fortnight)	Year 5	Design and make a felt toy. Decorate and construct using hand embroidery stitches and embellish with buttons and beads.	Healthy Living Introduction to the kitchen. Health and safety. A balanced diet – use the ‘eat well’ plate. Plan, make and evaluate a sandwich, smoothie, salad and muffins.	Focussed practical tasks: Bridges and Structures Team work challenges using materials to create indoor structures. Capability test – using the tools in the work shop to create a precise sample.
	Year 6	Design, make and evaluate a recycled textile cushion, inspired by the sea. Using Heat transfer technique to design and create on fabric. Confident and safe use of the sewing machine. Pass a sewing machine driving test!	Using Fruit as an Ingredient. Work independently and as a team to produce a batch of rock cakes, flapjacks and a crumble.	Photo Frames Learn how to work safely in the workshop and what tools are used to measure, cut, drill and finish.
KS3 (one double lesson a week)	Year 7	Design, make and evaluate a fabric pencil case with zip. Use heat transfer to design and create a pencil case. Insert a zip independently and construct the pencil case using the sewing machine safely	Using Vegetable as an ingredient. Independently prepare and cook a soup, stir-fry and a pie dish. Confidently use the hob. Manage time and keep a tidy workspace.	Design, make and evaluate a Bug Hotel. Create a bug hotel using a variety of materials and research the importance of modelling and testing. Use the workshop safely and focus on cutting, drilling and attaching the structure of the final product.
	Year 8	T-Shirt Project. Research, analyse, design, make and evaluate a t-shirt that will include a CAD/CAM logo/feature. Pupils have the opportunity to design their own logo and incorporate this into their design and manufacture. Students will investigate the work of others and discover fabric decoration, in the form of Tie-dye and screen printing.	The 3 P's – Pizza, Pasta and Puddings. Observe, plan and make a pizza, a layered pasta dish and an upside down pudding. Vary the appearance, taste and texture. Work independently to create a family meal, managing time and washing up.	Acrylic Clock. Learn how to manipulate acrylic. Design, construct and evaluate a working, battery powered acrylic clock.