

FS DESIGN AND TECHNOLOGY CURRICULUM MAP

<u>Foundation Stage</u>	AUTUMN	SPRING	SUMMER
<p>Refer to Early Learning Outcomes and Early Learning Goals: Physical Development, Understanding the World, Expressive Arts and Design.</p>	<ul style="list-style-type: none"> • Christmas cards and Calendars Printing, cutting, sticking, using ICT <u>Cooking and Nutrition</u> • Bread Rolls Kneading, rolling, shaping 	<ul style="list-style-type: none"> • Mothers' Day Gift Cutting, sticking, weaving <u>Cooking and Nutrition</u> • Fairy Fruit Cakes Discussing ingredients, mixing, spooning out 	<ul style="list-style-type: none"> • Design my own invention Selecting tools, techniques, shaping, assembling, joining, following a plan <u>Cooking and Nutrition</u> • Fruit Fizz Drink Juicing, mashing, pouring out

Throughout the Foundation Stage year, children will have many opportunities to develop their Design and Technology skills by using recyclable materials, play dough, construction and various other tools to encourage them to create.

KS1 DESIGN AND TECHNOLOGY CURRICULUM MAP

<u>Year 1</u>	AUTUMN	SPRING	SUMMER
<p>Technical Knowledge: build structures, exploring how they can be made stronger, stiffer and more stable.</p>	<ul style="list-style-type: none"> • Making a moving Superhero Designing, cutting, joining, finishing, evaluate • Making a mask Designing, cutting, sticking, finishing, evaluate • Christmas cards and Calendars Sketching, colouring, cutting, sticking, joining, finishing <p><u>and Nutrition</u></p> <ul style="list-style-type: none"> • Cheese straws Rubbing, grating, mixing, kneading, rolling 	<ul style="list-style-type: none"> • Mother’s Day cards Sketching, colouring, cutting, sticking • Easter cards Sketching, colouring, cutting, sticking • Making a duck ramp Researching, designing, cutting, strengthening, sticking, evaluating <p><u>Cooking and Nutrition</u></p> <ul style="list-style-type: none"> • Superfood Sandwiches Slicing, spreading, cutting 	<ul style="list-style-type: none"> • Memory Box Designing, cutting, sticking, strengthening, evaluating <p><u>Cooking and Nutrition</u></p> <ul style="list-style-type: none"> • Fruit Salad Washing, peeling, pulling, mixing, pouring
<p><u>Year 2</u></p> <p>Technical Knowledge: explore and use mechanisms in their products.</p>	<ul style="list-style-type: none"> • Making a Tudor house Designing, select materials, shaping, cutting, joining, evaluate • Christmas cards and Calendars Cutting, sticking, ICT <p><u>Cooking and Nutrition</u></p> <ul style="list-style-type: none"> • Sandwich making Designing, spreading, cutting, evaluating 	<ul style="list-style-type: none"> • Mother’s Day and Easter Cards Cutting, sticking, folding • 3D Habitats Designing, cutting, sticking, joining, shaping, finishing <p><u>Cooking and Nutrition</u></p> <ul style="list-style-type: none"> • Savoury Tarts Using cutters, chopping, cutting, mixing, stirring spooning out 	<ul style="list-style-type: none"> • Make a pizza box Designing, cutting, joining, evaluating <p><u>Cooking and Nutrition</u></p> <ul style="list-style-type: none"> • Pizza Mixing, kneading, rolling, slicing, chopping, grating

KS2 DESIGN AND TECHNOLOGY CURRICULUM MAP

<u>Year 3</u>	AUTUMN	SPRING	SUMMER
<p>Technical Knowledge: apply their understanding of how to strengthen, stiffen and reinforce more complex structures.</p>	<ul style="list-style-type: none"> • Fossil Clay Sculpture Researching, sketching, rolling, cutting, shaping, joining, evaluating • Christmas Cards and Calendars Sketching, colouring, painting, mixing colours, cutting, joining, finishing, measuring <p><u>Cooking and Nutrition</u></p> <ul style="list-style-type: none"> • Cheesy Courgette Muffins Measuring, stirring, mixing, baking, evaluating 	<ul style="list-style-type: none"> • Roman Mosaics & Sandals Drawing, sketching, cutting, sticking, mixing colours, organising, patterns • Stone Age Clay Pots and Bowls Designing, sketching, rolling, shaping, moulding, smoothing, finishing, strengthening, evaluating <p><u>Cooking and Nutrition</u></p> <ul style="list-style-type: none"> • Stone Age Bread Research, rolling, mixing, stirring, baking, designing, shaping, measuring 	<ul style="list-style-type: none"> • Stained Glass Window Research, sketching, designing, cutting, sticking, evaluating <p><u>Cooking and Nutrition</u></p> <ul style="list-style-type: none"> • Eton Mess Chopping, measuring, mixing, stirring, presenting, evaluating
<p>Technical Knowledge: understand and use electrical systems in their products.</p>	<ul style="list-style-type: none"> • Spoon puppet & gadget Design, cutting, sticking, evaluating • Anglo Saxon Village Research, design, cutting, sticking, evaluating • Christmas cards and Calendars Design, cutting, sticking, evaluating • Viking Long ships Designing, joining, cutting, sticking, evaluating <p><u>Cooking and Nutrition</u></p> <ul style="list-style-type: none"> • Scones Research, rolling, mixing, stirring, baking, designing, shaping, measuring. 	<ul style="list-style-type: none"> • Circuits and Alarms Connecting, testing, design, evaluating <p><u>Cooking and Nutrition</u></p> <ul style="list-style-type: none"> • Chicken Sandwich Research, instructions, designing, shaping, measuring. 	<ul style="list-style-type: none"> • Sewing Measuring, stitching, threading a needle, knotting • Dream catchers Colouring, cutting, joining, pattern making <p><u>Cooking and Nutrition</u></p> <ul style="list-style-type: none"> • Crunchy coleslaw Research, mixing, stirring, cutting, designing, shaping, measuring.

KS2 DESIGN AND TECHNOLOGY CURRICULUM MAP

<u>Year 5</u>	AUTUMN	SPRING	SUMMER
<p>Technical Knowledge: understand and use mechanical systems in their products.</p>	<ul style="list-style-type: none"> • Sewing Sketching, cutting, threading a needle, knotting thread and finishing off. • 3D lifecycle ICT research, Cutting, shaping, joining, finishing, mixed materials. Using construction materials, Woodworking using hacksaws and bench hooks • Christmas cards and Calendars Cutting, shaping, joining, finishing, <p><u>Cooking and Nutrition</u></p> <ul style="list-style-type: none"> • Waffles with fruit and yoghurt Using digital scales, mixing, sieving, pouring, knife skills 	<ul style="list-style-type: none"> • Controllable Vehicles Woodworking skills using: hacksaws, hand drills, screwdrivers, wire-cutters, pliers, tube cutters, hammers, bench hooks • Mother's Day Card Cutting, shaping, joining, finishing <p><u>Cooking and Nutrition</u></p> <ul style="list-style-type: none"> • Bread making Weighing, mixing, kneading, rolling, shaping 	<ul style="list-style-type: none"> • Making a Ukulele Using recyclable material, balsa wood, fishing wire to assemble ukulele. <p><u>Cooking and Nutrition</u></p> <ul style="list-style-type: none"> • Salad Investigation Selecting, slicing, cutting, grating, chopping, balanced nutrition
<p>Technical Knowledge: as Yrs 3, 4 and 5 and apply their understanding of computing to programme, monitor and control their products.</p>	<ul style="list-style-type: none"> • Making a Christmas gift box Designing, cutting, folding, sticking, tying ribbon, scoring, evaluate • Christmas Cards and Calendars Cutting, shaping, joining, finishing, <p><u>Cooking and Nutrition</u></p> <ul style="list-style-type: none"> • Mini Carrot Cakes Measure, cutting, dividing, mixing, beating, baking 	<ul style="list-style-type: none"> • Controllable Robot Designing, sorting, constructing, evaluate <p><u>Cooking and Nutrition</u></p> <ul style="list-style-type: none"> • Savoury Bakes Preparing vegetables, peeling, dicing, rolling, shaping 	<ul style="list-style-type: none"> • Design and Build a model based on a theatre production Designing. Painting, attaching, cutting, folding, evaluate <p><u>Cooking and Nutrition</u></p> <ul style="list-style-type: none"> • Vegetarian Quiches Making pastry, chopping, dicing, making a quiche filling