



St Joseph's Catholic Primary School: DT Curriculum Map 2021/2022

EYFS Opportunities are given throughout the year to achieve these targets.	Three and Four-Year-Olds	Personal, Social and Emotional Development	<ul style="list-style-type: none">• Select and use activities and resources, with help when needed. This helps them to achieve a goal they have chosen or one which is suggested to them.
		Physical Development	<ul style="list-style-type: none">• Use large-muscle movements to wave flags and streamers, paint and make marks.• Choose the right resources to carry out their own plan.• Use one-handed tools and equipment, for example, making snips in paper with scissors.
		Understanding the World	<ul style="list-style-type: none">• Explore how things work.
		Expressive Arts and Design	<ul style="list-style-type: none">• Make imaginative and complex 'small worlds' with blocks and construction kits, such as a city with different buildings and a park.• Explore different materials freely, in order to develop their ideas about how to use them and what to make.• Develop their own ideas and then decide which materials to use to express them.• Create closed shapes with continuous lines, and begin to use these shapes to represent objects.

	Reception	Physical Development		<ul style="list-style-type: none"> • Progress towards a more fluent style of moving, with developing control and grace. • Develop their small motor skills so that they can use a range of tools competently, safely and confidently. • Use their core muscle strength to achieve a good posture when sitting at a table or sitting on the floor.
		Expressive Arts and Design		<ul style="list-style-type: none"> • Explore, use and refine a variety of artistic effects to express their ideas and feelings. • Return to and build on their previous learning, refining ideas and developing their ability to represent them. • Create collaboratively, sharing ideas, resources and skills.
	ELG	Physical Development	Fine Motor Skills	<ul style="list-style-type: none"> • Use a range of small tools, including scissors, paintbrushes and cutlery.
		Expressive Arts and Design	Creating with Materials	<ul style="list-style-type: none"> • Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function. • Share their creations, explaining the process they have used.

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Yr1		<p>Mechanisms <i>Projects on a Page:</i> Sliders and Levers</p> <ul style="list-style-type: none"> - Make a Christmas card using sliders and levers. <p>Other Year 1 work:</p> <ul style="list-style-type: none"> - Making split pin superheroes - Design a healthy lunchbox 	<p>Structures <i>Projects on a Page:</i> Freestanding Structures</p> <ul style="list-style-type: none"> - Make a freestanding structure of a circus tent - Fold paper in different ways to make stronger freestanding structures. 		<p>Food Preparing Food and Vegetables</p> <ul style="list-style-type: none"> - Stripy Salad Pots - Fruit kebabs - designing and making Gruffalo crumble <p>Other Year 1 work:</p> <ul style="list-style-type: none"> - Design and make a watering can. 	<p>Other Year 1 work:</p> <ul style="list-style-type: none"> - Design, make and evaluate junk model pirate ships
Yr2	<p>Food Preparing Food and Vegetables:</p> <ul style="list-style-type: none"> - Tortilla Pizza - Traffic Light Salad 		<p>Textiles <i>Projects on a Page:</i> Templates and Joining Techniques</p> <ul style="list-style-type: none"> - Make a hot water bottle covers - Joining materials together with simple sewing stitch – running stitch. 		<p>Mechanisms <i>Projects on a Page:</i> Wheels and Axles</p> <ul style="list-style-type: none"> - Making vehicles with wheels and axles <p>Link to Primary Engineering/Fords project – Making shoe box vehicles.</p>	

Yr3		Food Healthy and Varied Diet - Wraps - Cheese Straws	Mechanical Systems <i>Projects on a Page:</i> Pneumatics - Make a monster using syringes and tubing		Structures <i>Projects on a Page:</i> Shell structures using computer-aided design (CAD) - Investigate shell structures on packaging - Use Publisher/Word to design a net/shell structure
Yr4		Textiles <i>Projects on a Page:</i> 2d shape to 3-D product - Design and make a purse by sewing material together. Learning new stitches – back stitch and blanket stitch.	Food Healthy and Varied Diet - Bruschetta - Scones		Electrical Systems <i>Projects on a Page:</i> Simple circuits and switches - Design and make a multiple choice game using simple electrical circuits. - Use switches, bulbs and buzzers.

<p>Yr5</p>	<p>Structures <i>Projects on a Page:</i> Frame Structures</p> <ul style="list-style-type: none"> - Investigate different frame structures - Create temples using paper, different materials and strengthen the frameworks. 	<p>G & T: Primary Engineering/Fords – Making 4-wheel drive vehicles with gears.</p>	<p>Food Celebrating culture and seasonality</p> <ul style="list-style-type: none"> - Couscous with fruit and vegetables - Spring rolls 	<p>Electrical Systems <i>Projects on a Page:</i> Monitoring and Control (Previously supported by DT lead at Sacred Heart of Mary Girls' School – Secondary school link)</p> <ul style="list-style-type: none"> - Use the Crumble microcontroller with PCs for control - Create different light sequences on the Sparkles using block programming
<p>Yr6</p>	<p>Textiles <i>Projects on a Page:</i> Combining different fabric shapes</p> <ul style="list-style-type: none"> - Make a mobile phone holder/pouch - Design a pattern - Creating seams and continuing with joining techniques 	<p>Mechanical Systems <i>Projects on a Page:</i> Cams</p> <ul style="list-style-type: none"> - Make wooden frames to house cam mechanism - Create a pop up toy using cams 	<p>Food Celebrating culture and seasonality</p> <p>Recipe 1 at Coopers Coborn School (Secondary School link) – Pizza Whirls</p> <p>Recipe 2 at St Joseph's - Lemon biscuits</p>	