

St. Patrick's Catholic Primary School

Design Technology – Long Term Plan 2021-22

	Autumn	Spring	Summer	Cooking and Nutrition
Nursery	<p>Myself myself and family mobiles</p> <p>People who help us fire engine collage / junk model fire engines</p>	<p>Easter Characters making stick puppets of Easter characteristics - Rabbit or chick.</p>	<p>Making Music the children will make a guiro or a maraca</p>	
Reception	<p>'Home sweet home – down on Newham Grange Farm'</p> <p>Freestanding structures. enclosures for farm animals</p>	<p>Knights, castles and dragons textured dragons / building castles with different construction toys</p> <p>Outer space big art rockets with natural materials / clay rockets</p>	<p>Minibeasts finger print paint bees and ladybirds / making moving minibeasts (Investigate square wheels and circular wheels)</p> <p>Pirates and superheroes sketching own superheroes / designing own superhero cape</p>	
Year 1	<p>'Home sweet home – down on Newham Grange Farm'</p> <p>Freestanding structures. designing and building a leisure farm.</p>	<p>'The Royal Felt Family'</p> <p>Textiles – Templates and joining techniques. Hand Puppets</p>	<p>'London's burning. Fetch the Engines'</p> <p>Mechanisms – Wheels and axles</p>	<p>'Food fit for a Queen' - A Garden Party.</p> <p>Preparing Fruit and Vegetables Preparing tasty, healthy snacks for the Queen's garden party (Queen Victoria).</p>
Year 2	<p>'Thornaby Landmarks'</p> <p>Freestanding structures. Making Models of Key Thornaby Landmarks (Always Advancing sculpture, Town Hall, Bridges, Spitfire Roundabout etc)</p>	<p>'A purse for perfume, a money bag for money'</p>	<p>'The Mariner from Marton'</p> <p>Mechanisms – Sliders and Levers storyboard or storybook about the key events in the life of Captain Cook. OR</p>	<p>'Captain Cook's scurvy beating smoothies'</p> <p>Preparing Fruit.</p>

		Textiles – Templates and joining techniques. Tudor purse or moneybag.	storyboard or storybook about what can be found in a seaside town.	
Year 3	'Balloon Powered Cars' Mechanisms- Wheels and Axels Making a car powered by air!	'Easter Gift Box' Structures – shell structures using CAD – Foldify (ipads)	'Air is only useful for breathing?' Mechanisms, Pneumatics Making a moving monster.	'A wealth of health' Healthy and Varied Diet Planning and cooking a simple meal.
Year 4	'A ski lift to Withstand an Earthquake' Mechanical Systems - Pulleys	'Bespoke Easter Chocolates!' Structures – Shell structures using CAD - Tinkercad Easter Chocolate Moulds	'Do the Locomotion'' Electrical Systems - simple circuits and switches Making a model of Stephenson's Locomotive	Making Nut Free Protein Bars Food Allergies
Year 5	'The best toys move!' Mechanical Systems – Cams / Pulleys	'CAD is the Key' More complex use of CAD - Tinkercad Designing and making keyrings	'Naturally Dyed Drawstring Pouch' Textiles	'The Great Diabetic Bake Off' Making a healthy bread suitable for diabetics Making bread
Year 6	'Let's Go Fly a Kite' Structures	'Games that use Electricity' Electrical Systems - Switches and circuits	Transition Projects with St.Patrick's College	Making a Healthy Vegetarian Meal Are meals healthy just because they are vegetarian?