
		<p align="center">St John's RC Primary School, Burnley Whole School Curriculum Map Design and Technology</p>						
		EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Autumn	Topic	All about me and my community Junk model emergency service vehicle Create a feelings Jar Using a variety of media and materials to construct. Celebrate & Illuminate Bake a cake Wreath making Reindeer biscuits	1 Mechanisms – Design and make a card slider product. 2 Structures – Use a variety of materials to build a free standing structure.	1 Textiles – Use a template to create and sew a simple patchwork. 2 Food and Nutrition – Make jam-jar salad, tortilla quiche, pitta crisps.	1 Textiles - Stiffen fabric to make a box. 2 Food and Nutrition, A Balanced Diet - Make fruit yoghurt, popcorn, chips.	1 Food and Nutrition – Make pizza, mini bread rolls, soup. 2 Mechanisms – Design, make, modify and evaluate a hinged product.	1 Food and Nutrition – Make flat bread and garlic butter, smarre brad, mezze bowl, 2 Systems – Design and make a road safety belt. Write and evaluate a simple program for a micro:bit.	1 Food and Nutrition – Make burritos, pitta bread and hummus, samosas. 2 Mechanisms – Investigate how pulleys and gears work. Design and make a gears product.
	Significant Designs and Designers.	Christmas cards . Using a variety of media and materials to construct.	Thomas Malton. The Leaning Tower of Pisa.	Kaffe Fassett.	Gisella Stromeyer. Nadiya Hussain.	Jamie Oliver. Sir John Wolfe Barry.	Georges Blanc.	Tom Kitchin. Marks Barfield.

Spring	Topic	Oh the places you'll go... (Transport) Dr Seuss quote Cook food from around the world Design and make rockets Junk modelling- houses, bridges, boats and rockets Construction with a range of materials. Ready Steady Grow! Fruit kebabs Pancakes Butterfly/insects junk modelling	1 Food and Nutrition -Make rainbow wraps, crudites, vegetable kebabs. 2 Understanding materials – Use a combination of materials to create a small model house.	1 Mechanisms – Build simple wheel mechanisms. 2 Understanding Materials – Investigate whether materials absorb or resist water. Create a waterproof coating for a paper hat.	1 Mechanisms – Design and make a linkages and levers product. 2 Food and Nutrition – Make noodle salad, stuffed peppers, roasted cauliflower and dip.	1 Textiles – Identify the functions of a variety of fastenings. Sew a button onto fabric, Find a solution to the problem of a towel slipping off a hook. 2 Structures – Explore the stability of shapes within structure. Create a class geodesic dome structure.	1 Textiles – Investigate the properties off fabrics (including insulation and waterproofing) Design and make a functional and hard-wearing lunch bag. 2 Mechanisms – Design and make a pulleys and gears product.	1 Food and Nutrition – Make tomato and pasta, noodle soup, salad. 2 Structures – Test the strength of spaghetti and apply what they have learnt to construct a tower.
	Significant Designs and Designers.		Frank Lloyd Wright.	Karl Friedrich Benz. Arthur Wellesley (1 st Duke of Wellington)	Archimedes. Heston Blumenthal.	George de Mestral. Roma Agrawal.	Levi Strauss. George Washington Gale Ferris Jnr.	Niklas Peter Ekstedt. Maxwell and Tuke.
Summer	Topic	Once upon a Time (Fairy tales) Design and bake gingerbread men Make story spoons Create homes for the Three Little Pigs What a Wonderful World. Dinosaur snack recipes	1 Textiles – Sew pieces of fabric together to form a pouch. 2 Food and Nutrition - Make vegetable dips, pitta pockets, breaded vegetables.	1 Food and Nutrition – Make overnight oats, potato rosti, quesadilla. 2 Structures – Design a strong and stable paper tower.	1 Systems – Types of Energy. 2 Structures – Design and make a strong bridge.	1 Electrical Systems – Learn how different types of switches work within electrical circuits. 2 Food and Nutrition – Make root vegetable rosti, Mexican pasties, chick pea curry.	1 Structures – Investigate the use of supports and joints to improve the stability of frames. Use this knowledge to create a model shelter. 2 Food and Nutrition – Make summer rolls, stir-fry, Bombay potatoes.	1 Electrical Systems – Learn how switches can be combined with electrical components to change the functionality of a product. 2 Textiles – Reduce waste by recycling and repurposing snack packets and plastic bags into useful items.

	Significant Designs and Designers.	Water bottle fish junk modelling	The Bayeux Tapestry.	Dame Zaha Mohammad Hadid.	William Kamkwamba. Sir Horace Jones.	Samuel Bagno. Monika Galetti.	Abraham Darby III. Julia Child.	Albert Sadacca. Isatou Ceesay.
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