

Design and Technology Topic Overview

	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
	Structures	Cooking	Textiles	Cooking	Mechanisms	Cooking (KS1) Electrical Systems (KS2)
Nursery	Explore different materials freely and deciding how to use them and what to make. Join different materials and explore different textures.					
Reception	Free standing structures Model of farms, clay models (fish)	Cutting and knife skills Healthy kebabs	Joining techniques Sewing and weaving	Shaping, assembling and heating Make gingerbread biscuits	Axels and wheels Make own vehicles	Mixing and combining ingredients Vegetarian sushi
Y1	Free standing structures Design and make enclosures for zoo animals Links to Science (animals)	Cutting and knife skills Design and make tasty toast with fruit Links to PSHE/Science (healthy diet)	Templates and joining techniques Design and make finger puppets Links to Science (materials) and Literacy (traditional tales)	Shaping, assembling and heating Design and make mini pancakes Links to special events (pancake day)	Sliders and levers Design and make moving characters from a story Links to Science (materials) and Literacy (The Snail and the Whale)	Mixing, combining, serving and garnishing Design and make stuffed jacket potatoes Links to PSHE/Science (healthy diet)
Y2	Free standing structures Design and make a bridge for the Billy Goats Gruff Links to Science (materials) and Literacy (traditional tales)	Cutting and knife skills Design and make basic fruit smoothies Links to PSHE/Science (healthy diet)	Templates and joining techniques Design and make a soft toy Links to Science (materials) and Literacy (The Bear and the Piano)	Shaping, assembling and heating Design and make fruit hot cross buns Links to RE (Easter)	Wheels and Axels Design and make a toy vehicle Links to History and Geography (transport)	Mixing, combining, serving and garnishing Design and make soup using vegetables grown in Science Links to PSHE/Science (plants and healthy diet)

Y3	Shell Structures Design and make a keepsake box Links to Science (materials) Links to Computing (CAD)	Cutting and knife skills Design and make healthy sandwiches Links to PSHE/Science (healthy diet)	2D shape to a 3D product Design and make a product that holds something precious Links to Science (materials)	Shaping, assembling and heating Design and make scrummy scones Links to PSHE/Science (healthy diet)	Levers and Linkages Design and make a moving page for a class book Links to History (Ancient Civilizations)	Simple circuits and switches Design and make a product with a light Links to RE and Science (light)
Y4	Shell Structures Design and make packaging for a local business Links to Science (materials) and Computing (CAD)	Cutting and knife skills Design and make healthy pizzas Links to PSHE/Science (healthy diet)	2D shape to a 3D product Design and make an embroidered cushion. Links to Science (materials)	Shaping, assembling and heating Design and make fantastic fish cakes Links to PSHE/Science (healthy diet)	Levers and Linkages Design and make a moving book Links to Science (materials)	Simple circuits and switches Design and make a noise making product Links to Science (electricity)
Y5	Frame structures Design and make a shelter Links to Science (materials) Links to PSHE (Living in the wider world)	Cutting and knife skills Design and make rainbow salad wraps Links to PSHE/Science (healthy diet)	Combining different fabric shapes Design and make a product that can hold an electrical device. Links to Science (materials)	Shaping, assembling and heating Design and make Mexican food Links to History and Geography (Mayans and Central America)	Cams Design and make a moving object or character Links to Science (forces) and Literacy	More complex switches Design and make a product with different brightness Links to Science (electricity)
Y6	Frame structures Design and make adventure playground equipment Links to Science (materials)	Cutting and knife skills Make Dosa Pancakes with Masala Dal Links to PSHE/Science (healthy diet)	Combining different fabric shapes Design and make a bag Links to Science (materials and states of matter)	Shaping, assembling and heating Design and make food using 5 war time ingredients Links to History (World War 1 and 2)	Pulleys Design and make a moving vehicle with a motor. Links to Science (materials)	More complex switches Design and make a product to protect a valuable item Links to Science (electricity)