

Concepts Overview 2024

Design Technology



	Food / Nutrition	Structures	Mechanisms	Textiles	Electrical Systems	Inspiration
1	Preparing Fruits and Vegetables – Fruit salad / fruit smoothie / wrap		Levers and slides Moving picture	Joining materials Puppets / pouches / bag tag		JCB / Annie Atkins / Dr Chris Xand / Ashley Hill / Coco Channel / Cath Kidston
2	French cuisine - Omelette	Free standing structures – Shelters, houses, bridges, windmills, beach hut, chair	Wheels and axles / levers and linkages Moving vehicle / moving story book			William Bridge Adams / Henry Cole / Jacques Pepin / Isambard Kingdom Brunel
3	Healthy and varied diet – vegetarian food / bread making – The Great Bread Bake Off		Axles and wheels / Pneumatics Wheeled vehicle to carry items / Moving toy	2D to 3D shape Cushions / money container – purse / bag		Joe Wicks / Warburtons / Peter Doughty-Cook / William Morris / Ralph Lauren / Henry Ford / John Boyd Dunlop
4	Great British Dishes / Celebrating another culture cuisine – Asia	Shell structures – Food packaging – biscuits / crackers			Simple circuits and switches Night light, torch, light up signs	Gordon Ramsey / Ken Hom / Margaret Calvert / Robert Gair / Thomas Eddison
5	Seasonally Eating / Farm to Fork		Pulleys, gears and cams Cams toy for a child	Recycled fashion – Make do and mend		James Dyson / Timberland / Bethany Williams / Jamie Oliver
6		Frame structures – tunnels, domes, bridges, castles, bird houses.	Pulleys, gears and cams Fairgrounds / playgrounds		Complex circuits and switches Fairgrounds / playgrounds	Isambard Kingdom Brunel / Sarah Buck / Alexander Graham Bell

*Design, Make and Evaluate are also concepts – these are the structure for every unit of work in each year group.