

Design and Technology – Overview

Year	Textiles	Structures	Mechanisms	Cooking and Nutrition
EYFS	Threading e.g beads, pastsa, wood beads Weaving in F.S Craft with fabric e.g felt Bunting	Junk modelling Using glue, sellotape and masking tape Using scissors to cut paper/card Sellotape dispensers	Exploring how moving toys work e.g cars have wheels that turn, or what happens when you turn, push, pull a toy	Playdough – pretend cooking Home corner role play Baking with adult, snack time Cutting fruit, fruit kebabs
Year 1		Building or bridge	Moving picture book page	Fruit Salad
		Link to Great fire of London (History) Material – paper, card Structures – strengthen – rolling, folding Joining – glue, sellotape, masking tape Built and burnt in Forest School	Link to a story Material – paper, card Mechanism – slider, lever with pivot	Food sources – caught, reared, grown Technique – chop/cut, mix (healthy, fruit names, prepare, hygiene)
Year 2	Hand puppet		Vehicles	Fruit and vegetable skewers
	Link to a story Material – cotton or similar fabric base Techniques – template, cutting fabric, running stitch, glue on finishing touches	Structure of vehicle. Joining parts of frame with card triangles and glue	Materials – card, pre-cut wooden sticks, dowels, pre-cut card triangles Mechanism – wheels and axles	Nutrition – balanced diet (eat well plate) Technique – slic/chop. Peel. Skewer (healthy, balance, fruit/veg names, hygiene)
Year 3	Simple cuddly toy			Wholemeal wraps
	Material – thicker fabrics e.g felt Techniques – template, cutting fabric, running stitch and back stitch, stuffing. Sew some finishing touches – cross stitch			Nutrition – balanced diet part 2 Technique – bridge/claw for chopping veg Combining flavours for a wrap filling (at least 1 vegetable and 1 protein)
Year 4		Treat box (choice of shape)	Torch	Healthy snack with yogurt dip
		Design packaging for a treat: Link to nets, measuring, accuracy – maths Materials – card, careful cutting and folding Structures – design net as outer structure Joining – neatly/carefully using glue	Materials – Plastic containers e.g yogurt pots for outside Mechanism – simple electrical circuit: bulb, wires, battery, switch (Power source, control)	Food sources – fresh and processed Technique – chop, mix, mash, toast, cut

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				Yogurt mixed with e.g. mint, cucumber, avocado. Serve with toasted bread/pitta, veg sticks.
Year 5			Moving toy – Jack-in-the-box	Bread
	Material – outer fabric and lining Outer fabric could be water resistant? Techniques – template, cutting fabric, running stitch, back stitch, chain stitch Sewing fastenings – poppers or buttons	Structure – cuboid frame for moving toy Material – wooden sticks (not pre-cut to length) Technique – sawing wood to measured length, constructing cuboid shape Joining – using glue gun with supervision Model of Earth and space orory	Materials – wood for frame Mechanism – cams (different shapes), axle, crank handle, cam follower – make the mechanism for or wild life buds	Food sources – food miles, where food comes from around the world Techniques – mix, kneed, prove, season (fair trade) , chop (e.g herbs) Bake in over – adult led
Year 6	Anglo Saxon Tapestry	Vehicle with gears	Light sensing light up sign	Pizza (inc making dough)
		Materials – Wood frame for structure Mechanisms – wheels and axles, with one set attached to pulley and gears. (understanding effect of gear size on speed of vehicle) Could also appear in mechanism column. Automatic Animals (Science linked) All recorded in DT book (year 5+6)	E.g exit sign lights up when it is dark Materials – transparent and translucent materials Mechanism – electrical circuit made from wires, battery, light bulb, sensor – series circuit (strip end of wires using tool) Make telescope.	Nutrition: Healthy, balanced diet and snack choices. Recap fresh/processed and good miles, link to sustainability and environment. Techniques – make pizza dough, spread sauce, and prepare other topping. Bake – use oven with adult supervision. World War 2 recipes Forage possibly. Apple Crumble Enterprise Week. Make Healthy Food.