Sellindge Primary School — Whole School **DT** Map 2023 onwards — KS1

	Theme	Textiles	Mechanisms	Food Technology
Year 1	**Product**	Puppets	Moving Pictures	Healthy Picnic
	Focus	▪ Explore methods of joining fabric. ▪ Design and make a character-based hand puppet using a preferred joining technique, before decorating.	▪ Explore basic movement mechanisms. ▪ Design a moving picture using sliders or levers	▪ Learn to distinguish between fruit and vegetables and where they grow. ▪ Design a fruit/vegetable snack and accompanying packaging.
	Purpose/User	For themselves	3-5 year old	All ages
	Skills and Knowledge	▪ Cut materials safely using given tools. ▪ Understand how simple 3D textile products are made by using a template and securing together. ▪ Join fabrics together. ▪ Explore different techniques of finishing a product (paint, sew, use fabric crayons, gluing sequins etc.)	▪ Understand how different mechanisms produce different types of movement. ▪ Explore with moving vehicles in play. ▪ Develop cutting, joining and finishing skills using card. ▪ Experiment joining materials using simple tools and techniques. ▪ Use simple mechanisms (sliders, levers) and structures. ▪ Learn how materials can be joined to allow movement.	▪ Cut, peel or grate ingredients. ▪ Use hygiene and safety practices. ▪ Assemble ingredients.
	Technical Vocabulary	Cut, safety, scissors, glue, stapler, secured, joined, paint, sew, and draw, fabrics, textiles, and texture.	Slider, lever, pivot. Bridge, guide, card, tape, fastenings, joining, pull, push, curve, straight, back forward.	Food names, equipment names, relevant techniques, cut, peel, grate, clean, wash, tidy, stir, mix, cutlery, utensils, mixing bowl, chopping board.
	Useful Resources	TWINKL design-and-create-a-hand-puppet-craft-instructions TES Making-a-puppet-6016537 WIKI how Make-a-Hand-Puppet	Moving Pictures STEM- Moving Pictures STEM- Levers, wheels and axles	Sensational Salads Dips and Dippers
	Cross curricular	Maths – 2D shapes, Art - drawing	Science – Forces. Art – sketching.	Geography – local area. Art – sketching

	Theme	Structures	Textiles	Mechanisms
Year 2	**Product**	Goldilocks and the Three bears - Baby Bear's Chair	Pouches	Wheel and Axle
	Focus	▪ Explore stability and methods to strengthen structures, to understand Baby Bear's chair weaknesses. ▪ Develop an improved solution for him to use.	▪ Learn how to sew a running stitch. ▪ Design, make and decorate a pouch. ▪ Use a template.	▪ Learn about the key parts of a wheeled vehicle. ▪ Begin to understand how wheels, axles and axle holders work. ▪ Design and make a moving vehicle.
	Purpose/User	Baby Bear (stuffed toy)	For themselves	For a toy to use
	Skills and Knowledge	▪ Understand how to make freestanding structures stronger, stiffer and more stable. ▪ Experiment with a variety of construction materials to explore their properties. ▪ Understand how to use tools safely.	▪ Understand a variety of ways to join fabrics (stitches, gluing, stapling). ▪ Use simple ways of joining fabric by gluing and stitching. ▪ Use simple patterns and templates to mark out fabrics. ▪ Able to evaluate some textile products.	▪ Experiment with axles, wheels and axle holders. ▪ Understand the difference between freely moving & fixed axles. ▪ Assemble vehicles with moving wheels using construction kits. ▪ Be able to use sliders, flaps and levers. ▪ Develop further cutting, joining and finishing skills using paper and card.
	Technical Vocabulary	Freestanding, stronger, strengthen, stability, properties. Hard, soft, flexible, malleable, loose, tight, fixed, stiff, solid.	Stitching, gluing, stapling, sewing, patterns, cut, measure, templates, materials, design, make, evaluate, thread, cotton, reel, needle.	Wheel axels, axel holder, vehicles, moving, assemble, chassis, mechanism, shaping, finishing.
	Useful Resources	STEM- Goldilocks and the Three Bears TWINKL a-chair-for-baby-bear OAK Baby-bears-chair-crrker	RISING STARS we are bag designers Designing a bag	STEM- Levers, wheels and axles TWINKL moving vehicles IET Build a car that moves
	Cross curricular	English – story telling. Reading – Goldilocks. Art - sketching	Maths – 2D & 3D shapes, Art - drawing	Science – Forces. Art – sketching.