		Topic: Food Technology.	Topic: Resistant Materials – Wooden phone holder.	Topic: Textiles – Drawstring bag.
		Concept: Eatwell Guide. Food hygiene and kitchen safety. Methods of combining ingredients. Methods of cooking - baking. Dough making. Knife skills.	Concept: Health and safety in the workshop. Manufactured boards and natural timbers. Existing products – slotted phone holders. Functional and appealing designs. Design briefs. Woodworking. Evaluating designs and products.	Concept: Types and purposes of bags. Tying fabric to resist dye to create a design. Joining textile materials. Creating a pattern for applique. Hand applique. Using a sewing machine.
	Year 5	Skills: Food preparation skills. Cleaning skills. Knife skills.	Skills: Product analysis. Following a design brief. Designing a bespoke product. Marking out wood. Cutting accurate straight lines and curves in wood. Smoothing and finishing wood. Evaluating finished outcome.	Skills: Hand applique to decorate textiles. Using a sewing machine to join fabrics with straight lines. Tie-dye techniques.
		Outcome: Knowledge of food groups. Knowledge of origins of different foods. Knowledge of food preparation, hygiene and safety in the kitchen. Able to use a recipe. Able to prepare a range of dishes.	Outcome: Knowledge of design process. Knowledge of wood cutting and sanding techniques. Understanding functional and appealing designs. Able to design and make a slotted wooden phone holder. Evaluation.	Outcome: Able to pin fabric together. Able to hand applique. Able to tie fabric to produce a design when dyed. Able to use a sewing machine to construct a drawstring bag. Evaluation.

	Topic: Resistant Materials – Wooden wheeled toy.	Topic: Textiles – Personalised apron.	Topic: Food Technology.
	Concept: Health and safety in the workshop. Types of timbers – hardwoods, softwoods, manufactured boards. Wooden toys – existing products, appealing designs, safety considerations. Design briefs. Woodworking. Product packaging / promotion.	Concept: Using a sewing machine for straight stitch, zig-zag stitch and hemming. Measuring and marking out. Cutting fabric. Machine applique. Block printing as a decorative technique.	Concept: Eatwell Guide for nutrition. Food hygiene and kitchen safety. Methods of combining ingredients. Methods of cooking – baking, boiling, simmering. Knife skills.
Year 6	Skills: Understanding types of timbers and their uses. Designing to a brief. Cutting, drilling, shaping and smoothing timber. Constructing simple wheels and axles. Creating packaging / promotion items. Evaluating.	Skills: Using pins to hold fabric in place for hems. Using a sewing machine (zig-zag stitch and straight stitch) to sew straight lines. Using a sewing machine to applique. Making a printing block and printing fabric.	Skills: Food preparation skills. Cleaning skills. Knife skills. Dough making. Dividing/portioning.
	Outcome: Knowledge of design process. Able to use a variety of woodworking techniques. Design and make a wheeled wooden toy suitable for a young child. Design and make suitable packaging / promotion items. Evaluation.	Outcome: Able to use different types of stitches on a sewing machine. Able to construct an apron that features a pocket that is creatively decorated with textiles techniques. Able to make and use a printing block. Evaluation.	Outcome: Knowledge of food groups and nutrition. Knowledge of food preparation, hygiene and safety in the kitchen. Able to use a recipe. Able to prepare and cook a range of dishes.

	Topic:	Topic:	Topic:
	Textiles – Monster soft toy.	Food Technology.	Resistant Materials – Thermo-formed clock.
	Concept: Fabric construction – weaving, knitting, felting. Pattern design and making. Machine sewing to a pattern. Seams. Soft toy construction.	Concept: The Eatwell Guide to plan a nutritionally balanced diet. Food hygiene and kitchen safety. Methods of combining ingredients. Methods of cooking – boiling, simmering, baking, frying. Dough making and kneading. Knife skills. Functions of ingredients. Sensory evaluation of a finished dish.	Concept: Health and safety in the workshop. Polymers – origin and uses including HIPS, acrylic, bioplastics. Methods of cutting, forming, shaping and joining plastics. Vacuum forming. Methods of cutting and smoothing timber.
Year 7	Skills: Weaving using a cardboard loom. Knitting using a ring loom. Wet felting. Designing and making a pattern. Hand or machine sewing straight and curved lines to construct a 3D item. Constructing and stuffing a toy.	Skills: Food preparation skills including peeling, chopping, kneading, rubbing-in, creaming, beating. Food cooking skills - boiling, simmering, baking, frying. Cleaning skills. Carrying out a sensory evaluation of a finished dish.	Skills: Following a design brief. Accurately cutting and shaping timber to make a former. Operating a vacuum forming machine to thermoform polymers. Using hand tools to cut and smooth wood. Using hand tools to cut and shape sheet plastics.
	Outcome: Able to construct fabric using different methods. Able to use a sewing machine to construct a monster soft toy featuring their constructed fabric.	Outcome: Knowledge of food groups and nutrition, able to plan a healthy diet. Knowledge of food preparation, cooking, hygiene and safety in the kitchen. Able to use and adapt a recipe. Able to prepare and cook a range of dishes. Able to evaluate dishes using sensory descriptors.	Outcome: Knowledge of plastics origins and uses. Knowledge of vacuum former and how to use it. Able to cut and file timber accurately to produce a quality finish. Able to cut and shape polymers. Able to design and make a colourful hanging wall clock using polymers and timber.

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	Topic:	Topic:	Topic:
	Textiles – E-textiles Christmas cushion.	Resistant Materials – Wooden cam toy.	Food Technology.
	Concept: Smart and modern textile materials incl. electro-conductive thread. Electronic circuits. Designing, making and following a pattern. Joining textile materials, by hand and machine. Decorative textile techniques – applique and embroidery.	Concept: Health and safety in the workshop, workshop tools. Cams and mechanical toys. Isometric drawing. Writing a design brief.	Concept: Food hygiene and kitchen safety. Methods of combining ingredients. Methods of cooking - boiling, simmering, baking, frying. Functions of ingredients. Dough making. Knife skills. Designing a recipe. Fairtrade. Food labelling.
Year 8	Skills: Constructing a working electronic circuit. Cutting fabrics. Making and following a pattern. Hand stitching techniques. Sewing machine use to join fabrics and create a 3D item. Applique and Embroidery techniques. Applying Velcro as a fastening.	Skills: Understanding cams and how they work. Writing and following a design brief. Drawing in isometric. Cutting, joining and smoothing a variety of timber stock forms. Creating cams. Evaluating.	Skills: Food preparation skills including peeling, chopping, slicing, kneading, whisking, creaming, beating. Food cooking skills - boiling, simmering, baking, frying. Cleaning skills. Designing recipes.
	Outcome: Understand simple electronic circuits and able to create a working circuit. Able to cut and pin fabric. Able to hand and machine sew. Able to design and construct a removable cushion cover with a light-up feature. Able to decorate textiles using a range of techniques.	Outcome: Knowledge of design process. Able to draw some forms in isometric. Able to safely use workshop tools with different timber stock forms to make a working wooden cam toy. Evaluation.	Outcome: Knowledge of food groups and nutrition, able to design a recipe. Knowledge of food preparation hygiene and safety in the kitchen. Able to prepare and cook a range of dishes. Knowledge of global origins of ingredients and the Fairtrade vision. Understanding of food labelling.