

**Bowes Learning Quest**  
**Long Term Subject Maps**



DT	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Nursery		<p>Strand: Food            Unit: Baking a Christmas cake            Materials: flour, sugar, raisins, spices            Skill: Mixing, weighing, stirring, observing changes of state</p>	<p>Strand: Structures            Unit: Junk modelling to create an Ocean in an egg box            Materials: Cardboard, string, paper            Skill: cutting, joining sticking</p>	<p>Strand: Structure            Unit: Make an Easter basket            Materials: Paper, card, glue, scissors            Skill: Cutting, joining, sticking</p>	<p>Strand: Structures            Unit: Junk modelling to create a boat that floats. Design a sail/flag.            Materials: Recycled materials, plasticine            Skill: joining, cutting, designing, making, evaluating, sticking</p>	<p>Strand: Textiles            Unit: Weaving a minibeast            Materials: cardboard, wool, hole puncher            Skill: hole punch, cut, weave</p>
Reception	<p>Strand: Structures            Unit: Junk modelling            Materials: Recycled materials            Skill: cutting, joining, sticking, designing, making, evaluating</p>		<p>Strand: Textiles            Unit: Design and make a Superhero cape            Materials: felt, plastic, fabric            Skill: Designing, making, evaluating, cutting, testing materials</p> <p>Strand: Food            Unit: Cutting fruit to add to a pancake            Materials: Fruit, knives            Skill: Cutting, slicing, peeling</p>	<p>Strand: Mechanisms (wheels and axles)            Unit: Design and make a vehicle            Materials: Cardboard tubes (kitchen roll), skewers, wooden wheels, cold glue gun            Skill: Designing, making, evaluating, joining, sticking, decorating</p> <p>Strand: Food            Unit: Make an Easter Nest            Materials: Chocolate and rice crispy cereal, cupcake cases            Skill: Mixing, melting, pouring</p>	<p>Strand: Food            Unit: Make a fruit kebab            Materials: fruit, knife, cutting board, skewers            Skill: Cutting, slicing, threading onto a skewer</p>	<p>Strand: Food            Unit: Baking a Gingerbread person            Materials: Fresh food ingredients            Skill: Baking, measuring, weighing, using a cookie cutter, rolling</p> <p>Strand: Construction            Unit: Design and make a house for The Three Little Pigs            Materials: Blocks, hay, paper, lollipop sticks, sticks, wood            Skill: Model, stacking, joining, sticking</p>
Year 1		<p>Strand: Food Technology            Unit: Design/make fruit salad - sweet            Materials: Fresh produce            Skill: Slicing, chopping, peeling, design, make, evaluate</p>	<p>Strand: Textiles            Unit: Hand puppet            Materials: Fabric, thread            Skill: Sew, design, make, annotate, evaluate</p>		<p>Strand: Mechanisms (sliders and levers)            Unit: Moving picture            Materials: Card, split pins            Skill: Cutting, joining, design, make, annotate, evaluate</p>	
Year 2				<p>Strand: Food Technology            Unit: Design/make healthy sandwich - savoury            Materials: Fresh produce            Skill: Slicing, dicing, peeling, chopping, spreading, design, make, evaluate</p>	<p>Strand: Structures (free standing structures)            Unit: Design/make playground equipment            Materials: Recycled materials - cardboard tubes, containers            Skill: Measuring, cutting, joining, research, design, make, annotate, evaluate</p>	<p>Strand: Mechanisms            Unit: Design/make pop up cards            Materials: Card            Skill: Measuring, cutting, joining, research, design, make, annotate, evaluate</p>

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<p><b>Year 3</b></p>	<p>Strand: Pneumatics  Unit: Moving monsters  Materials: Cardboard  Skill: Measure, investigate, explore, design, make, annotate, evaluate</p>		<p>Strand: Food  Unit: Design/make healthy pasta/rice/couscous salad - savory  Materials: Fresh produce  Skill: Slice, dice, chop, peel, grate, design, plan, make, evaluate</p>			<p>Strand: Shell structures (CAD 2D-3D)  Unit: Design/make food packaging  Materials: Chromebooks (google slides), paper  Skill: Computing, cutting, sticking</p>
<p><b>Year 4</b></p>	<p>Strand: Food Technology  Unit: Seasonal minestrone soup and soda bread rolls - savory  Materials: Fresh produce  Skill: Kneading, mixing, chopping, dicing, slicing</p>	<p>Strand: Textiles  Designer/artist: Lucy Sparrow  Unit: Sewing an emoji/sensory toy  Materials: Fabric - felt  Skill: Sewing (running stitch, back stitch, blanket stitch), design, make, improve, annotate, evaluate</p>		<p>Strand: Structures/CAD  Designer/architect: Zaha Hadid  Unit: RIBA - Architecture  Materials: iPads, paper  Skill: Design, make, improve, evaluate</p>		
<p><b>Year 5</b></p>	<p>Strand: Mechanisms (wheels and axles), mechanical systems (pulleys), Electrical Systems (circuits with switches, motors)  Unit: Motorised moon buggy  Materials: Cardboard, electrical circuits,  Skill: Design, make, improve, evaluate, problem solve, electrical circuits, annotate, evaluate</p>			<p>Strand: Textiles  Unit: Sewing drawstring bag  Materials: Calico, fabric  Skill: Sewing (running stitch, back stitch), fabric crayons/painting, revisiting prior learning, design, make, improve, annotate, evaluate</p>	<p>Strand: Food Technology  Unit: Design/make healthy shortcrust mini quiche - savoury  Materials: Fresh produce  Skill: Kneading, rubbing, rolling, beating, slicing, grating, chopping, design, make, evaluate, collaboration, ipads (research), chromebooks (google form)</p>	
<p><b>Year 6</b></p>			<p>Strand: Textiles, Sculpture  Designer/craft maker/artist: Alinah Azadeh  Unit: WW2 make do and mend - medals for everyday courage  Materials: Fabric  Skill: Sewing (running stitch, back stitch), sculpting, joining, research, design, make, improve, evaluate, chromebooks (google slides)</p>		<p>Strand: Mechanical Systems - cams  Unit: Cam toys  Materials: Cardboard, dowels, wooden wheels  Skill: Design, make, improve, annotate, evaluate, problem solve, moving parts</p>	<p>Strand: Food Technology  Unit: Great British Bake Off at Bowes - sweet  Materials: Fresh produce  Skill: Baking, measuring, weighing, mixing, collaborating, budgeting, design, make, annotate, evaluate</p>