

## Bowes Learning Quest

### Long Term Subject Maps

DT	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Nursery		<b>DT:</b> Strand: Food Unit: Baking a Christmas cake Materials: flour, sugar, raisins, spices Skill: Mixing, weighing, stirring, observing changes of state Curriculum Link: Expressive Art and Design, Science, Discovery RE	<b>DT:</b> Strand: Structures Unit: Junk modelling to create an Ocean in an egg box Materials: Cardboard, string, paper Skill: cutting, joining sticking Curriculum Link: Expressive Art and Design, Understanding of the World/Science, Geography	<b>DT:</b> Strand: Structure Unit: Make an Easter basket Materials: Paper, card, glue, scissors Skill: Cutting, joining, gluing Curriculum Link: Expressive Art and Design, Understanding of the World, Science, Discovery RE	<b>DT:</b> 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 Curriculum Link: Expressive Art and Design, Understanding of the World/Science	<b>DT:</b> Strand: Textiles Unit: Weaving a minibeast Materials: cardboard, wool, hole puncher Skill: hole punch, cut, weave Curriculum Link: Expressive Art and Design, Understanding on the World, Science
Reception	<b>DT:</b> Strand: Structures Unit: Junk modelling Materials: Recycled materials Skill: cutting, joining, sticking, designing, making, evaluating Curriculum Link: Expressive Art and Design, Understanding of the World, Science		<b>DT:</b> Strand: Textiles Unit: Design and make a Superhero cape Materials: felt, plastic, fabric Skill: Designing, making, evaluating, cutting, testing materials Curriculum Link: Expressive Art and Design, Understanding of the World, Science  <b>DT:</b> Strand: Food Unit: Cutting fruit to add to a pancake Materials: Fruit, knives Skill: Cutting, slicing, peeling Curriculum Link: Expressive Art and Design, Understanding of the World, Science	<b>DT:</b> 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, gluing, decorating Curriculum Link: Expressive Art and Design, Understanding of the World, Science  <b>DT:</b> Strand: Food Unit: Make an Easter Nest Materials: Chocolate and rice crispy cereal, cupcake cases Skill: Mixing, melting, pouring Curriculum Link: Expressive Art and Design, Understanding of the World, Science, Discovery RE	<b>DT:</b> Strand: Food Unit: Make a fruit kebab Materials: fruit, knife, cutting board, skewers Skill: Cutting, slicing, threading onto a skewer Curriculum Link: Expressive Art and Design, Understanding of the World, Science	<b>DT:</b> Strand: Food Unit: Baking a Gingerbread person Materials: Fresh food ingredients Skill: Baking, measuring, weighing, using a cookie cutter, rolling Curriculum Link: Expressive Art and Design, Understanding of the World, Science  <b>DT:</b> 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, gluing Curriculum Link: Expressive Art and Design, Understanding of the World, Science, Literacy



# Bowes Learning Quest

## Long Term Subject Maps

Year 1		<b>Strand:</b> Textiles <b>Unit:</b> Hand puppet <b>Materials:</b> Fabric, thread, needles <b>Skill:</b> Sew, design, make, annotate, evaluate <b>Curriculum Link:</b> History, Maths, Art		<b>Strand:</b> Mechanisms (sliders and levers) <b>Unit:</b> Moving picture <b>Materials:</b> Card, split pins <b>Skill:</b> Cutting, joining, design, make, annotate, evaluate <b>Curriculum Link:</b> History, Science, Art		<b>Strand:</b> Food Technology <b>Unit:</b> Design/make fruit salad - sweet <b>Materials:</b> Fresh produce <b>Skill:</b> Slicing, chopping, peeling, design, make, evaluate <b>Curriculum Link:</b> History, Science, Art
Year 2		<b>Strand:</b> Structures (free standing structures) <b>Unit:</b> Design/make playground equipment <b>Materials:</b> Recycled materials – cardboard tubes, containers <b>Skill:</b> Measuring, cutting, joining, research, design, make, annotate, evaluate <b>Curriculum Link:</b> Maths, Geography	<b>Strand:</b> Textiles <b>Designer/craftsperson:</b> <b>Unit:</b> Design/make an embroidered cushion <b>Materials:</b> Fabric, thread <b>Skill:</b> Sewing (running stitch, cross stitch), design, make, annotate, evaluate <b>Curriculum Link:</b> History, Maths, Science, Art			<b>Strand:</b> Food Technology <b>Unit:</b> Design/make healthy sandwich - savoury <b>Materials:</b> Fresh produce <b>Skill:</b> Slicing, dicing, peeling, chopping, spreading, assembling, design, make, evaluate <b>Curriculum Link:</b> Geography, Maths
Year 3	<b>Strand:</b> Food <b>Unit:</b> Design/make healthy pasta/rice/couscous salad - savoury <b>Materials:</b> Fresh produce <b>Skill:</b> Slice, dice, chop, peel, grate, design, plan, make, evaluate <b>Curriculum Link:</b> Geography, Maths	<b>Strand:</b> Pneumatics <b>Unit:</b> Moving monsters <b>Materials:</b> Cardboard <b>Skill:</b> Measure, investigate, explore, design, make, annotate, evaluate <b>Curriculum Link:</b> History, Maths, Science		<b>Strand:</b> Electrical Systems (circuits with switches), shell structures <b>Unit:</b> Torch <b>Materials:</b> Cardboard, electrical circuits <b>Skill:</b> Design, make, improve, evaluate, problem solving, electrical circuits, annotate, evaluate <b>Curriculum Link:</b> History, Science		



## Bowes Learning Quest

### Long Term Subject Maps

<b>Year 4</b>	<b>Strand:</b> Food Technology <b>Chef:</b> Jamie Oliver <b>Unit:</b> Seasonal minestrone soup and soda bread rolls <b>Materials:</b> Fresh produce <b>Skill:</b> Kneading, , weighing, mixing, chopping, dicing, slicing, peeling <b>Curriculum Link:</b> Geography, Maths		<b>Strand:</b> Textiles <b>Unit:</b> Sewing an emoji <b>Materials:</b> Fabric - felt <b>Skill:</b> Sewing (running stitch, back stitch, cross stitch), design, make, improve, annotate, evaluate <b>Curriculum Link:</b> Maths, Art	<b>Strand:</b> Structures/CAD <b>Designer/architect:</b> Zaha Hadid <b>Unit:</b> RIBA - Architecture <b>Materials:</b> <b>Skill:</b> Design, make, improve, evaluate <b>Curriculum Link:</b> Maths, Cultural Capital		
<b>Year 5</b>	<b>Strand:</b> Mechanisms (wheels and axles), mechanical systems (pulleys), Electrical Systems (circuits with switches, motors) <b>Unit:</b> Motorised moon buggy <b>Materials:</b> Cardboard, electrical circuits, <b>Skill:</b> Design, make, improve, evaluate, problem solve, electrical circuits, annotate, evaluate <b>Curriculum Link:</b> Science, Computing, Maths	<b>Strand:</b> Textiles <b>Unit:</b> Sewing drawstring bag <b>Materials:</b> Calico, fabric, sewing equipment <b>Skill:</b> Sewing (running stitch, back stitch), fabric crayons/painting, revisiting prior learning, design, make, improve, annotate, evaluate <b>Curriculum Link:</b> Science, Maths, Art		<b>Strand:</b> Food Technology <b>Unit:</b> Design/make healthy shortcrust pastry turnover - savoury <b>Materials:</b> Fresh produce <b>Skill:</b> Kneading, weighing, rubbing, rolling, beating, slicing, grating, chopping, design, make, evaluate, collaboration <b>Curriculum Link:</b> Geography, Maths		
<b>Year 6</b>				<b>Strand:</b> Textiles, Sculpture <b>Designer/craftmaker/artist:</b> Alinah Azadeh <b>Unit:</b> WW2 make do and mend – medals for everyday courage <b>Materials:</b> Fabric <b>Skill:</b> Sewing (running stitch, back stitch), sculpting, joining, research, design, make, improve, evaluate <b>Curriculum Link:</b> History, Maths, Art	<b>Strand:</b> Mechanical Systems - cams <b>Unit:</b> Cam toys <b>Materials:</b> Cardboard, dowels, wooden wheels <b>Skill:</b> Design, make, improve, annotate, evaluate, problem solve, moving parts <b>Curriculum Link:</b> Maths, Art	<b>Strand:</b> Food Technology <b>Unit:</b> Great British Bake Off at Bowes - sweet <b>Materials:</b> Fresh produce <b>Skill:</b> Baking, measuring, weighing, collaborating, budgeting, design, make, annotate, evaluate <b>Curriculum Link:</b> Maths, Science, Art