

Gilberdyke Primary Curriculum

Long term plan: Design & Technology



EYFS	Autumn	Spring	Summer
Cycle A	<p>Food & Nutrition</p> <p>Food & Health – healthy diet Food hygiene. Healthy/unhealthy foods. Healthy choices.</p> <p>-----</p> <p>Mechanisms & Structures: Three little Pigs</p> <p>Exploring materials for different purposes Joining materials using sellotape/glue. Suitability for purpose. Developing own ideas</p>	<p>Textiles</p> <p>Pre-cut puppet kit to sew – animal puppets (link to polar region animals or Three Little Pigs)</p>	<p>Mechanisms & Structures</p> <p>Design and make a bug hotel Develop ideas. Select appropriate materials. Use of tools accurately. Joining techniques – Sellotape/glue</p> <p>-----</p> <p>Food & Nutrition</p> <p>Where food comes from – Climate? Local visit: Scalby Gr. Design/make Fruit product - F1: kebab, F2: smoothies</p>
Cycle B	<p>Food & Nutrition</p> <p>Food & Health</p> <p>-----</p> <p>Textiles</p> <p>Assembling a fabric kit – puppet person</p>	<p>Mechanisms & Structures</p> <p>Design and make a BOAT/Raft (<i>The Lighthouse Keeper's Lunch</i>) Develop ideas. Select appropriate materials. Use of tools accurately. Joining techniques – Sellotape/glue</p>	<p>Mechanisms & Structures: Large scale train – recyclable materials (boxes)</p> <p>(<i>All Aboard for the Bobo Road, On the Train</i>) Exploring materials for different purposes. Joining materials using sellotape/glue. Suitability for purpose. Developing own ideas</p> <p>-----</p> <p>Food & Nutrition</p> <p>Where food comes from – Climate? Local visit: Scalby Grange. Design/make Fruit product. F1: kebab, F2: smoothies</p>

KS1	Autumn	Spring	Summer
Cycle A	<p><u>Mechanisms and structures</u></p> <p>Designing & building a toy plane (recyclable materials) – chassis/wheel/axle mechanism</p> <p>CONTEXT: History – Amy Johnson & flight</p>	<p><u>Food & Nutrition</u></p> <p>Baking with dough (weighing/measuring/kneading/cooking)</p> <p>CONTEXT: History – Great Fire of London</p>	<p><u>Textiles</u></p> <p>Designing & sewing bunting – joining two pieces of fabric together with a reliable stitch</p> <p>CONTEXT: History: Queen Vic/Queen Eliz 1 I</p>
Cycle B	<p><u>Food & Nutrition</u></p> <p>Creating soups using local produce – cut, peel, blend</p> <p>Follow given recipes (supported)</p> <p>CONTEXT: Geog/Hist – Farming in the local area</p>	<p><u>Textiles</u></p> <p>Designing and sewing a Punch & Judy puppet – joining two pieces of fabric together</p> <p>CONTEXT: History – Seaside holidays</p>	<p><u>Mechanisms & Structures</u></p> <p>Investigating and creating bridges – strengthening structures + slider</p> <p>CONTEXT: History - Isambard Brunel</p>

LKS2	Autumn	Spring	Summer
Cycle A	<p align="center"><u>Food & Nutrition</u></p> <p align="center">Investigating and recreating Greek savoury foods following recipes</p> <p align="center">CONTEXT: History – Ancient Greece</p>	<p align="center"><u>Textiles</u></p> <p align="center">Design and sew a Roman Tabard and Roman Crest (developing stitches and making a 3D project)</p> <p align="center">CONTEXT: History – The Romans</p>	<p align="center"><u>Mechanisms & Structures</u></p> <p align="center">Designing and making 3-d moving picture (levers and linkages)</p> <p align="center">CONTEXT: History – Viking and Anglo-Saxon struggle (weaponry)</p>
Cycle B	<p align="center"><u>Food and Nutrition</u></p> <p align="center">Following recipes – hot food – cultural cooking (tagines)</p> <p align="center">CONTEXT: History: Ancient Egypt</p>	<p align="center"><u>Mechanisms & Structures</u></p> <p align="center">‘Mummy Case’ – using similar structure to 3-d moving picture (simple pneumatics)</p> <p align="center">CONTEXT: History – Ancient Egypt</p>	<p align="center"><u>Textiles</u></p> <p align="center">Design and make a jute/canvas bag (3 different stitches) with printed design/motif</p> <p align="center">CONTEXT: History – The progression of technology (Industrial Revolution)</p>

UKS2	Autumn	Spring	Summer
Cycle A	<p align="center"><u>Mechanisms & Structures</u></p> <p align="center">Investigate and create a beach buggy with a working electrical gear and pulley system (Crumble controlled)</p> <p align="center">CONTEXT: Geography – North America</p>	<p align="center"><u>Textiles</u></p> <p align="center">Weaving - decorative wall hanging/quilts/cushions. Make own frame</p> <p align="center">CONTEXT: History – Ancient Maya</p>	<p align="center"><u>Food & Nutrition</u></p> <p align="center">Investigating and recreating Mexican savoury foods following recipes – application of skill/knowledge</p> <p align="center">CONTEXT: History – Ancient Maya</p>
Cycle B	<p align="center"><u>Mechanisms & Structures</u></p> <p align="center">Cam system – pop up montage of Tudor punishment scene</p> <p align="center">CONTEXT: Tudor Crime & Punishment</p>	<p align="center"><u>Textiles</u></p> <p align="center">Design & Create a gift for a refugee (adult or child) using recycled fabrics</p> <p align="center">CONTEXT: World events</p>	<p align="center"><u>Food & Nutrition</u></p> <p align="center">Ration packs: limited ingredients, soups, broths and stews</p> <p align="center">CONTEXT: History – WWII</p>

