



Boyne Hill Infant and Nursery School - Curriculum Outline Plans

Excite - Inform - Engage - Challenge - Inspire

DESIGN & TECHNOLOGY incl. Cooking & Nutrition

Term	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
FS1	<ul style="list-style-type: none"> Using stickers, pieces of torn paper and a glue stick, design and collage a paper-plate face. 	<ul style="list-style-type: none"> Using a provided paper tube, stickers, paper and a glue stick, design and make a rocket (<i>linked with Space topic</i>). 	<ul style="list-style-type: none"> Working together, create and embellish a pre-made dragon head (<i>linked with RE Lunar New Year</i>). Explore different textures in paper and fabrics. 	<ul style="list-style-type: none"> Looking at colour and texture, create a collage picture. With adult support, make crafts for Easter and Mother's Day following given criteria. With adult support, make chocolate nests (<i>links with Easter</i>). 	<ul style="list-style-type: none"> Using recycled materials and with adult support, create a musical instrument with rice and pasta to make a sound when shaken. 	<ul style="list-style-type: none"> Using stickers, pieces of torn paper and a glue stick, design and collage a sea creature. With adult support, make crafts for Father's Day.
	<ul style="list-style-type: none"> Paper, scissors and glue sticks will be available as part of continuous provision. 					
FS2	<ul style="list-style-type: none"> Explore different techniques for joining materials (glue stick). Learn to work safely and hygienically. Use non-statutory measures, e.g., spoons, cups and some cooking techniques. Use different construction materials. Make chocolate cookies with a focus on vocabulary, ingredients and 	<ul style="list-style-type: none"> Explore different techniques for joining materials (glue stick/PVA). Share their creations. Work safely and hygienically. Make a salt dough hedgehog and a home. Make a Christmas card with folding and pleating. Make a calendar. Make biscuits - building on prior 	<ul style="list-style-type: none"> Explore different techniques for joining materials (glue stick/PVA/masking tape). Work safely and hygienically. Use non-statutory measures, e.g., spoons, cups and some cooking techniques. Use some cooking techniques for sandwiches and pancakes (spreading, 	<ul style="list-style-type: none"> Share creations and talk about the processes used. Explore different techniques for joining materials (glue stick/PVA/masking tape/split pins). Make props and costumes for different role play scenarios. Work safely and hygienically. Use some cooking techniques (grating clean mud fossils and salt dough). 	<ul style="list-style-type: none"> Plan what they are going to make (cooking, construction, junk modelling). Manipulate materials. Work safely and hygienically. Make a paper plane. 	<ul style="list-style-type: none"> Learn some similarities and differences between materials. Share creations, talk about processes and evaluate their work. Adapt work where necessary. Use some cooking techniques (spreading, cutting, threading, coring, mixing, grating, adding flavours). Make sandwiches and fruit kebabs.

	<p>following simple instructions to mix the items in a ball.</p> <ul style="list-style-type: none"> Involve pupils in preparing the fruit for rolling snack. 	<p>experience in term 1, using the creaming method to mix the sugar and butter independently, adding additional ingredients by themselves in the correct order.</p>	<p>cutting, threading, coring, mixing).</p> <ul style="list-style-type: none"> Learn the names of tools. Look at decorative and functional weather vanes). 	<ul style="list-style-type: none"> Make Easter nests. 		<ul style="list-style-type: none"> Sewing a sock caterpillar.
Term	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1	<p>Food: Fruit and Vegetables (<i>linked with Harvest</i>)</p> <ul style="list-style-type: none"> Learn to distinguish between fruit and vegetables and where they grow. Design a fruit and vegetable smoothie and accompanying packaging. 	<p>Textiles: Puppets (<i>links with topic</i>)</p> <ul style="list-style-type: none"> Explore methods of joining fabric. Design and make a character-based hand puppet using a preferred joining technique, before decorating. 	<p>Mechanisms: Wheels and axles</p> <ul style="list-style-type: none"> Learn about the key parts of a wheeled vehicle to develop an understanding of how wheels, axles and axle holders work. Design and make a moving vehicle. 		<p>Mechanisms: Making a moving story book</p> <ul style="list-style-type: none"> Explore slider mechanisms and the movement they output, to design, make and evaluate a moving storybook from a range of templates. 	<p>Structures: Constructing a windmill</p> <ul style="list-style-type: none"> Inspired by the song, 'Mouse in a windmill', design and construct a windmill for a client (mouse) to live in. Explore various types of windmill, how they work and their key features.
Possible additional projects	<ul style="list-style-type: none"> Photo frame (<i>linked with topic</i>). 	<ul style="list-style-type: none"> Clay divas (<i>linked with RE</i>). Diwali card. Christmas card and crafts. 		<ul style="list-style-type: none"> Mother's Day card and craft. Easter card and craft. 		<ul style="list-style-type: none"> Father's Day card and craft.
Key vocabulary	<p>fruit vegetable seed leaf root stem smoothie healthy carton design flavour peel slice</p>	<p>decorate design fabric glue model hand puppet safety pin staple stencil template</p>	<p>axle axle holder chassis diagram dowel equipment mechanism wheel</p>		<p>sliders mechanism adapt design criteria design input model template assemble test</p>	<p>axle bridge design design criteria model net packaging structure template unstable stable strong weak</p>

<p>Year 2</p>	<p>Food: A balanced diet</p> <ul style="list-style-type: none"> Learn about the food groups (carbohydrates, proteins, fruits and vegetables, dairy, oils and spreads) to understand a balanced diet to develop a healthy wrap. 	<p>Mechanisms: Fairground wheel</p> <ul style="list-style-type: none"> Design and create a functional Ferris wheel, learn how different components fit together so that the wheel rotates and the structure stands freely. 	<p>Textiles: Pouches</p> <ul style="list-style-type: none"> Learn how to sew a running stitch ready to design, make and decorate a pouch using a template. 		<p>Mechanisms: Making a moving monster</p> <ul style="list-style-type: none"> Explore levers, linkages and pivots through existing products and experimentation. Use this research to construct and assemble a moving monster. 	<p>Structures: Baby bear's chair</p> <ul style="list-style-type: none"> Explore stability and methods to strengthen structures, to understand Baby Bear's chair weaknesses and develop an improved solution for him to use.
<p>Possible additional projects</p>		<ul style="list-style-type: none"> Christmas card and crafts. 		<ul style="list-style-type: none"> Mother's Day card and craft. Easter card and craft. 		<ul style="list-style-type: none"> Eid crafts and card. Father's Day card and craft.
<p>Key vocabulary</p>	<p>balanced diet balance carbohydrate dairy fruit ingredients oils sugar protein vegetable design criteria</p>	<p>design design criteria wheel Ferris wheel pods axle axle holder frame mechanism</p>	<p>decorate fabric fabric glue knot needle needle threader running stitch sew template thread</p>		<p>axle design criteria input linkage mechanical output pivot wheel</p>	<p>design criteria man-made natural properties structure stable shape model test</p>