

## Design Technology Curriculum Map

### Outline of taught and assessed content

**The table below outlines the whole curriculum overview for this subject area, and shows the journey that the students take throughout Pinchmill Primary School**

<b>Pre-school</b>	In Pre School we follow a Planning in the Moment pedagogy and therefore, there are not particular identified activities. The children's age-appropriate D.T skills are developed through their interests and ideas. Contiguous provision and an enabling environment both inside and outside provide the children with many D.T experiences such as woodwork, cooking, 3D modelling, small parts play, sensory play and malleable materials and a variety of construction toys. The children are encouraged to evaluate their work and solve problem for themselves. Adults will model new techniques and use questioning to develop the child's understanding and knowledge further.					
<b>Reception</b>	In Reception we also follow a Planning in the Moment pedagogy and therefore, there are not particular identified activities. The children's age-appropriate D.T skills are developed through their interests and ideas. Contiguous provision and an enabling environment both inside and outside provide the children with many D.T experiences such as woodwork, 3D modelling, small parts play, malleable materials, sensory play and a variety of construction toys. In reception there is a greater emphasis on using what they already know and have seen and experiences to plan their projects before commencing on the creating. The children are encouraged to discuss the process they used and evaluate their work and solve problem for themselves. Adults will model new techniques and use questioning to develop the child's understanding and knowledge.					
Year Group	Autumn A	Autumn B	Spring A	Spring B	Summer A	Summer B
<b>Reception</b>	Woodwork  Safety rules, 1 to 1 first experience using hammer, hand drill screwdriver and saw  Cooking	Woodwork  Safety rules, 1 to 1 first experience using hammer, hand drill screwdriver and saw  Cooking  Pumpkin soup	Woodwork  Tinkering Exploring with tools to improve in a casual way with experimental efforts  Cooking	Woodwork  Tinkering with wheels  Cooking  Mixing and melting Easter nests	DT  Design and make a bug  Cooking  Healthy eating  Design and make healthy salad	DT  Design and make a boat that floats  Cooking  Healthy eating

	Apple Crumble Fruit Kebabs		Squeezing, crushing, mashing Orange juice Hummus			
<b>Year 1 and Year 2 Cycle A</b>	3D aerial model  Design and make a 3D model of the local environment  Structure	Cooking  Food hygiene and handling skills  Where does food come from?  Make orange shortbread (Food a Fact of life website – foodafactoflife.org.uk)	Make a 3D model of a castle with a working drawer bridge  Mechanism Winding Plan Design Evaluate Modify Test Make	Cooking  Healthy Eating  Groups of food and why our bodies need them  Make Perfect Plan Salad (Food a Fact of Life website – foodafactoflife.org.uk)	Living and growing.  Plan and make a 3D plant in a pot using card	Cooking  Tea party  Plan a tea party  Party Time (Food a Fact of Life website- foodafactoflife.org.uk)
<b>Year 1 and Year 2 Cycle B</b>	Plan, design and make a chair for baby bear from Goldilocks	Cooking  Seasonal eating and it's importance and festive foods  Rice crispy rudolphins – Make rice crispy slab with marshmallow and goldensyrup. Cut into triangles. Add face and pretzels for antlers	Plan and make a rocket  Mechanism and structure	Plan and make a Tudor house  Structure  Plan, design, make, evaluate, modify	Make breakfast energy bars (Food a Fact of Life website – Foodafactoflife.org.uk) Breakfast foods. Where do they come from?  Why is breakfast important?  What types of food should we be eating for breakfast?	Plan and make a Pneumatic dragon  Structure, mechanism  Plan, design, make, evaluate, modify

					<p>Taste testing healthy breakfast cereals?</p> <p>Plan and make a healthy breakfast</p>	
<p><b>Year 3 and Year 4 Cycle A</b></p>	<p>Plan and make an Ironage Brooch (piece of jewellery)</p> <p>Clay</p> <p>Plan, design, trial, modify, make, evaluate</p>	<p>Great bread bake off. Explore different types of bread. Use Food a Fact of Life – website <a href="http://foodafactoflife.org.uk">foodafactoflife.org.uk</a></p> <p>Make Christmas style bread</p>	<p>Plan and make a Viking Longboat model</p> <p>Materials exploration</p>	<p>Anglo Saxon food</p> <p>What did they eat?</p> <p>Taste test</p> <p>Make fruity flapjacks – Food a Fact of Life website – <a href="http://foodafactoflife.org.uk">foodafactoflife.org.uk</a></p>	<p>Plan and make a Slingshot car</p>	<p>Plan and make a Bookend in the style of a Book Nook</p> <p>Make a 3D “Bookend” depicting favourite book including circuit with lights.</p> <p>Plan, design, make, evaluate, modify</p>
<p><b>Year 3 and Year 4 Cycle B</b></p>	<p>Encient Egypt</p> <p>Design and make a sarcophagus</p>	<p>Sewing</p> <p>Plan and make a cross stitch Christmas decoration</p>	<p>Plan and make a Roman Aqueduct/bridge</p> <p>Structure</p>	<p>Plan and make a Roman catapult</p>	<p>Mediterranean foods and diet</p> <p>Food tasting</p> <p>Plan and make healthy pizza on dough base Food a Fact of Life website – <a href="http://foodafactoflife.org.uk">foodafactoflife.org.uk</a></p>	<p>Plan and make a Moving Monsters</p>

<b>Year 5 and Year 6 Cycle A</b>	Plan and make a 3D map/landscape using different media	Plan and make a sailing ship	Plan and make a structure that can lift e.g. a crane	Create a healthy meal for a school day evening  Look at ingredients Identify processed foods. Research	Design for a purpose  Design to a specific criteria or specification, developing design ideas for a room interior, a coat of arms and product to fit a given name, learning to draw inspiration from different sources and experiment with a range of techniques.	Suffragettes  Plan and make rosettes to promote Suffragette movement
<b>Year 5 and Year 6 Cycle B</b>	Design and make own indoor game  e.g. pinball, pool, marble run, table football etc	Marshmallow and spaghetti/cocktail sticks structures  Who can make the tallest structure competition	Plan and make a moving fairground ride  Electrical circuits	African food  Explore variety of African foods  Taste test  Make a version of Chakalaka	Stop motion animation on I pad  3D set/character building	Stop motion animation continued  Film and show to other children