



Whitehouse Primary School – Design & Technology skills, knowledge and vocabulary



Year	Developing, planning and communicating ideas	Working with tools, equipment, materials and components to make quality products (Inc. food)	Evaluating processes and products	Knowledge	Vocabulary
EYFS	See EYFS DT Progression document and FS1 and FS2 long term planning				
Year 1	<p><u>Toys Old and New.</u> Moving Pictures Pivots and sliders- linked to topic</p> <p><u>Fairytales</u> Healthy Eating – linked to topic of ‘Little Red Riding Hood’</p> <p><u>Minibeasts</u> Materials - Weaving</p>	<p>Children to design and create a moving Traction Man using split pins.</p> <p>Children to design a healthy balanced meal. Plan the main stages of a recipe, listing ingredients, utensils and equipment.</p> <p>Children to design and create a spider’s web.</p>	<p>Select from a range of materials to make product.</p> <p>Select from a range of ingredients to make appropriate food products.</p> <p>Evaluate what a real spiders web looks like to design their own using the skill of weaving. Select from a range of materials to make product.</p>	<p>Children know how structures can be made stronger, stiffer and more stable using different materials.</p> <p>Children can:</p> <ul style="list-style-type: none"> - build simple structures, exploring how they can be made stronger, stiffer and more stable; - talk about and start to understand the simple working characteristics of materials and components; <p>Understanding the components that make up a healthy diet.</p> <p>Children understand the use of weaving in everyday life – which materials can be used successfully to weave.</p>	<p>Old New Pivot Slider Traction Material Healthy Balanced Energy Ingredients Recipe Equipment Diet Weave</p>
Year 2	<p><u>Ireland</u> Cooking and nutrition – Irish 15s.</p> <p><u>Africa</u> African Masks and jewellery.</p>	<p>Follow a recipe, gather ingredients and make Irish 15s. Measure ingredients correctly. Follow safe procedures for food safety and hygiene</p> <p>Design and make an African mask. Choose and use appropriate finishing techniques based on own ideas.</p>	<p>Select the correct products/ingredients for the recipe. Evaluate against their recipe – did they make them successfully?</p> <p>Evaluate their products as they are developed, identifying strengths and possible changes they might make.</p>		



	<p>Fairytales Puppets – Little Red Riding Hood.</p> <p>Beside the Seaside Make a lighthouse.</p> <p>Spain Spanish food.</p>	<p>Demonstrate how to cut, shape and join fabric to make a simple product. Use basic sewing.</p> <p>Design a lighthouse structure – decide which materials will be used to create their design. Decide on appropriate materials to decorate their design.</p> <p>Research, gather ingredients and create a Spanish dish. Try different foods which originate from Spain.</p>	<p>With confidence talk about their ideas, saying what they like and dislike about them.</p> <p>Evaluate their design and finished product. Is there anything they would do differently next time?</p> <p>Select the correct products/ingredients for the recipe. Evaluate against their recipe – did they make them successfully?</p>		
Year 3	<p>Light- Science</p> <p>Walk like an Egyptian</p> <p>Food Technology- Rights Respecting- Fair Trade</p> <p>Stone Age</p>	<p>Night light/ Torch/ Lamp Pupils design a battery-powered night light, which incorporates a fully working circuit plus a choice of switch.</p> <p>Structures- Shell structures Mechanical Systems Levers and linkages Looking at Egyptian water devices, shaduf.</p> <p>Generate ideas and develop design criteria for an appealing product for a user and purpose. Plan the main stages of a recipe, listing ingredients, utensils and equipment. Select from a range of ingredients to make appropriate food products.</p>	<p>Carry out and record evaluations of a variety of ingredients and products.</p> <p>Evaluate existing shell structures to design a sarcophagus.</p>	<p>Know a range of appropriate ingredients, and whether they are grown, reared or caught.</p>	



	<p>Linked to topic – fossils and looks at materials used in the Stone age.</p> <p><u>Textiles 2-D shape to 3-D product</u></p>	<p>Look at inventions – recreate something from the stoneage using different materials. Recreate tools and weapons.</p> <p>Pupils design and make a bag of their choice – targeting a specific user and purpose.</p>			
<p>Year 4</p>	<p><u>The Empire Strikes (back)</u> Baking Cream Teas Make a Roman road (Cooking skills). Design and make a Roman Shield Sketch prototype and sculpture.</p> <p><u>Destinations, Disasters and Dilemmas</u> Creating a Rainforest canopy.</p> <p><u>Terrible Tudors – Off With Her Head!</u> Design and build a Tudor Structure.</p>	<p>Generate ideas and develop design criteria for an appealing product for a user and purpose. Plan the main stages of a recipe, listing ingredients, utensils and equipment. Select from a range of ingredients to make appropriate food products. Know a range of appropriate ingredients, and whether they are grown, reared or caught. Generate ideas and develop design criteria for product for a user and purpose. Plan the main stages of building process and equipment. Select from a range of materials to make product.</p> <p>Generate ideas and develop design criteria for product for a user and purpose. Plan the main stages of building process and equipment. Select from a range of materials to make product.</p> <p>Generate ideas and develop design criteria for product for a user and purpose. Plan the main stages of building process and equipment. Select from a range of materials to make product.</p>	<p>Carry out and record evaluations of a variety of ingredients and products. Carry out and record evaluations of a variety of processes</p> <p>Carry out and record evaluations of a variety of processes Consider waterproof materials.</p> <p>Carry out and record evaluations of a variety of processes Research different buildings and structures</p>		



Year 5	<p><u>Ancient Greeks</u> Design and create a vase.</p> <p><u>Ancient History (Vikings)</u> Viking Shields</p> <p><u>Space</u> Replica of our Solar System using Papier Mache. Oreo Phases of the Moon</p> <p><u>World War 11</u> Gas mask boxes Air raid shelter Rations and baking</p>	<p>Using clay design and create a vase and design it by engraving something to do with ancient Greeks eg an Olympic sport.</p> <p>Using cardboard, tinfoil and felt tips, design and create a shield and design it by drawing on something to do with the Vikings eg a longboat.</p> <p>Children had to research planets so they knew sizes, distances between them and colours. Each planet was created using papier mache balloons and then painted accordingly. Children re-create the phases of the moon using oreos engraved parts out.</p>			
Year 6					