

DT Skills Progression for Grange Junior School

| | Term 1/2 | Term 3/4 | Term 5/6 |
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| Y3 | <p style="text-align: center;">Structures (Shell)</p> <p>To design and make a cube/cuboid (net) box to hold an artefact</p> <p>Investigate existing products</p> <p>measure, mark out, cut, score, shape and assemble card with some accuracy</p> <p>Test and evaluate product</p> | <p style="text-align: center;">Textiles (2D to 3D)</p> <p>To design and make a fabric bag with an intended purpose</p> <p>Investigate existing products</p> <p>cutting, joining and finishing fabric with some accuracy</p> <p>Test and evaluate product</p> | <p style="text-align: center;">Food (Healthy Eating)</p> <p>To design and make a healthy sandwich/wrap to eat at school</p> <p>Investigate existing products</p> <p>Annotated sketch Develop and communicate</p> <p>Measure, cut, chop, combine, decorate with some accuracy</p> <p>Test and evaluate product</p> |
| Y4 | <p style="text-align: center;">Structures (Shell)</p> <p>To design and make a prism (net) box to hold an artefact</p> <p>Investigate, research and evaluate existing products</p> <p>Model and communicate ideas</p> <p>Measure, mark out, cut, score, shape and assemble with some accuracy</p> <p>Test and evaluate final product</p> | <p style="text-align: center;">Food (Healthy Eating)</p> <p>To design and make a healthy lunchbox to eat at school</p> <p>Investigate, research and evaluate existing products</p> <p>Measure, cut, chop, combine, decorate with some accuracy</p> <p>Test and evaluate final product</p> | <p style="text-align: center;">Mechanical Systems (Levers & Linkages)</p> <p>To design and make an information poster for a class display</p> <p>Investigate, research and evaluate existing products</p> <p>Use appropriate tools with some accuracy to cut, shape and join paper and card.</p> <p>Use finishing techniques suitable for the product they are creating.</p> <p>Test and evaluate final product</p> |
| Y5 | <p style="text-align: center;">Structures (Frame)</p> <p>To design and make a cube/cuboid frame box to hold an artefact</p> <p>Investigate, research and make annotated drawings of existing products</p> <p>Use appropriate tools to accurately measure, mark out, cut, shape and join construction materials to make frameworks.</p> <p>Use finishing and decorative techniques suitable for the product they are designing and making.</p> <p>Test and evaluate final product</p> | <p style="text-align: center;">Mechanical Systems (Cams)</p> <p>To design and make a moving toy to entertain someone</p> <p>Model types of cams in toys</p> <p>Use a range of tools and equipment to make products that that are accurately assembled and well finished.</p> <p>Test and evaluate final product</p> | <p style="text-align: center;">Food (Culture & Seasonality)</p> <p>To design and make bread for a summer picnic</p> <p>Sensory evaluate existing food products and ingredients</p> <p>Use appropriate utensils and equipment accurately to measure and combine appropriate ingredients.</p> <p>Make, decorate and present the food product appropriately</p> <p>Test and evaluate the final product</p> |
| Y6 | <p style="text-align: center;">Structures (Frame)</p> <p>To design and make a prism frame box to hold an artefact</p> <p>Investigate, research and make annotated drawings of existing products</p> <p>Generate, develop and model innovative ideas, through discussion, prototypes and annotated sketches.</p> <p>Competently select from and use appropriate tools to accurately measure, mark out, cut,</p> | <p style="text-align: center;">Food (Culture & Seasonality)</p> <p>To design and make a nutritionally balanced hot cross bun for someone for Easter</p> <p>Investigate, research and make annotated drawings of existing products</p> <p>Sensory evaluate of a variety of existing food products and ingredients</p> <p>Select and use appropriate utensils and equipment accurately to measure and combine appropriate ingredients.</p> | <p style="text-align: center;">Mechanical Systems (Combination)</p> <p>To design and make a moving toy that uses a combination of mechanisms to entertain someone</p> <p>Make models of different types of cams/levers & linkages</p> <p>Select from and use a range of tools and equipment to make products that that are accurately assembled and well finished.</p> <p>Critically evaluate the final product</p> |

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| | <p>shape and join construction materials to make frameworks.</p> <p>Use finishing and decorative techniques suitable for the product they are designing and making.</p> <p>Critically evaluate their products</p> | <p>Make, decorate and present the food product appropriately</p> <p>Critically evaluate the final product</p> | |
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