



Broomhill Infant School Design & Technology Long Term Mapping



	Theme 1 - Term 1 and 2 Myself and my community (textiles and sewing)	Theme 2 – Term 3 and 4 Truly scrumptious (cooking)	Theme 3 Term 3 and 4 Amazing life
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Nursery

Nursery Skills	<p>Expressive Arts and Design (EAD) -exploring and using media and materials (EMM). 30-50 months</p> <p>Uses various construction materials.</p> <p>Beginning to construct, stacking blocks vertically and horizontally, making enclosures and creating spaces.</p> <p>Joins construction pieces together to build and balance.</p> <p>To understand that equipment and tools have to be used safely.</p> <p>To develop preferences for forms of expression.</p> <p>To use one-handed tools and equipment, e.g. makes snips in paper with child scissors.</p> <p>To show skill in making toys work by pressing parts or lifting flaps to achieve effects, such as sound, movements or new images.</p> <p>To capture experiences and responses with a range of media, such as music, dance and paint and other materials or words.</p> <p>To show an interest in technological toys with knobs or pulleys, or real objects.</p>
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Reception

Reception Skills	<p>Expressive Arts and Design (EAD) -exploring and using media and materials (EMM).</p> <p>Experiments to create different textures.</p> <p>Understands that different media can be combined to create new effects.</p> <p>Manipulates materials to achieve a planned effect.</p> <p>Constructs with a purpose in mind, using a variety of resources.</p> <p>Uses simple tools and techniques competently and appropriately.</p> <p>Selects appropriate resources and adapts work where necessary.</p> <p>Selects tools and techniques needed to shape, assemble and join materials they are using.</p> <p>Early Learning Goal (EMM) They safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function.</p> <p>(EAD)- being imaginative</p> <p>Create simple representations of events, people and objects.</p> <p>Early Learning Goal (BI) Children use what they have learnt about media and materials in original ways, thinking about uses.</p>
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Year 1 / Year 2

Year 1 Skills Design, Make, Evaluate	Through the Tinkering days, these skills will be applied to each project. To design purposeful, functional and appealing products for themselves based on design criteria . To generate, develop and communicate their ideas through talking, drawing and templates. To select from and use a range of tools and equipment to perform practical tasks (cutting, shaping, joining, finishing). To select from and use a wide range of materials and components, including constructions materials, and ingredients according to their characteristics. To explore a range of existing products. To evaluate their ideas and products		
/Technical Knowledge/Cook ing & Nutrition	To build structures, exploring how they can be made stronger, stiffer and more stable.	Use the basic principles of a healthy and varied diet to prepare dishes. Understand where food comes from.	To build structures, exploring how they can be made stronger, stiffer and more stable.
Year 2 Skills Design, Make, Evaluate	To design purposeful, functional and appealing products for themselves and others based on design criteria . To generate, develop and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology. To select from and use a wide range of materials and components, including constructions materials, textiles and ingredients according to their characteristics. To explore and evaluate a range of existing products. To evaluate their ideas and products against design criteria .		
/Technical Knowledge/Cook ing & Nutrition	To build, test and adapt designs so that they are stronger and more stable.	Understand where food comes from.	To explore and use mechanisms (levers, sliders, wheels and axles) in their products.