

	Nursery	Reception	Year 1	Year 2
Developing, planning and communicating ideas	<ul style="list-style-type: none"> <li>Talks about why things happen and how things work [Dev Mat <b>Understanding the World</b> 30-50]</li> </ul>	<ul style="list-style-type: none"> <li>Understands that different media can be combined to create new effects [Dev Mat <b>Expressive Arts</b> 40-60+]</li> <li>Chooses particular colours to use for a purpose [Dev Mat <b>Expressive Arts</b> 40-60+]</li> </ul>	<ul style="list-style-type: none"> <li>Begin to draw on their own experience to help generate ideas and research conducted on criteria</li> <li>Begin to understand the development of existing products: what they are for, how they work, materials used. Start to suggest ideas and explain what they are going to do</li> <li>Understand how to identify a target group for what they intend to design and make, based on a design criteria</li> <li>Begin to develop their ideas through talk and drawings. Make templates and mock-ups of their ideas in card and paper or using ICT</li> </ul>	<ul style="list-style-type: none"> <li>Start to generate ideas by drawing on their own and others' experiences</li> <li>Begin to develop their own design ideas through discussion, drawing and modelling</li> <li>Identify a purpose for what they intend to design and make</li> <li>Understand how to identify a target group for what they intend to design and make, based on a design criteria</li> <li>Develop their ideas through talk and drawings and label parts. Make templates and mock-ups of their ideas in card and paper or using ICT</li> </ul>
Working with tools, equipment, materials and components to make quality products	<ul style="list-style-type: none"> <li>Uses one-handed tools and equipment, e.g. makes snips in paper with child scissors [Dev Mat <b>Moving and Handling</b> 30-50]</li> <li>Knows how to operate simple equipment [Dev Mat <b>Technology</b> 30-50]</li> <li>Shows an interest in technological toys with knobs or pulleys [Dev Mat <b>Technology</b> 30-50]</li> <li>Shows skill in making toys work by pressing parts or lifting flaps to achieve effects [Dev Mat <b>Technology</b> 30-50]</li> <li>Uses various construction materials [Dev Mat <b>Expressive Arts</b> 30-50]</li> <li>Beginning to construct, stacking blocks vertically and horizontally, making enclosures and creating spaces [Dev Mat <b>Expressive Arts</b> 30-50]</li> <li>Joins construction pieces together to build and balance [Dev Mat <b>Expressive Arts</b> 30-50]</li> <li>Realises tools can be used for a purpose [Dev Mat <b>Expressive Arts</b> 30-50]</li> </ul>	<ul style="list-style-type: none"> <li>Use simple tools to effect changes to materials [Dev Mat <b>Moving and Handling</b> 40-60+]</li> <li>Practises some appropriate safety measures without direct supervision [Dev Mat <b>Health and Self Care</b> 40-60+]</li> <li>Shows understanding of the need for safety when tackling new challenges, and considers and manages some risks [Dev Mat <b>Health and Self Care</b> 40-60+]</li> <li>Manipulates materials to achieve a planned effect [Dev Mat <b>Expressive Arts</b> 40-60+]</li> <li>Constructs with a purpose in mind, using a variety of resources [Dev Mat <b>Expressive Arts</b> 40-60+]</li> <li>Uses simple tools and techniques competently and appropriately [Dev Mat <b>Expressive Arts</b> 40-60+]</li> <li>Selects appropriate resources [Dev Mat <b>Expressive Arts</b> 40-60+]</li> <li>Selects tools and techniques needed to shape, assemble and join materials they are using [Dev Mat <b>Expressive Arts</b> 40-60+]</li> </ul>	<ul style="list-style-type: none"> <li>Begin to make their design using appropriate techniques</li> <li>Begin to build structures, exploring how they can be made stronger, stiffer and more stable</li> <li>Explore and use mechanisms [eg levers, sliders, wheels, axles] in their products</li> <li>With help, measure, mark out, cut and shape a range of materials</li> <li>Explore using tools safely</li> <li>Begin to assemble, join and combine materials and components together using a variety of temporary methods (eg glues, masking tape)</li> <li>Begin to use simple finishing techniques to improve the appearance of their product</li> </ul>	<ul style="list-style-type: none"> <li>Begin to select tools and materials; use correct vocabulary to name and describe them</li> <li>Build structures, exploring how they can be made stronger, stiffer and more stable</li> <li>With help, measure, cut and score with some accuracy; learn to use hand tools safely and appropriately</li> <li>Start to assemble, join and combine materials in order to make a product</li> <li>Demonstrate how to cut, shape and join fabric to make a simple product; use basic sewing techniques</li> <li>Start to choose and use appropriate finishing techniques based on own ideas</li> </ul>
Evaluating processes and products		<ul style="list-style-type: none"> <li>Adapts work where necessary [Dev Mat <b>Expressive Arts</b> 40-60+]</li> </ul>	<ul style="list-style-type: none"> <li>Start to evaluate their product by discussing how well it works in relation to the purpose (design criteria)</li> <li>When looking at existing products, explain what they like and dislike about a product and why</li> <li>Begin to evaluate their products as they are developed, identifying strengths and possible changes they might make</li> </ul>	<ul style="list-style-type: none"> <li>Evaluate their product against their design criteria</li> <li>Look at a range of existing products; explain and justify opinions</li> <li>Start to evaluate their products as they are developed, identifying strengths and possible changes they might make</li> <li>With confidence, talk about different aspects of their own ideas, identifying aspects that they like and areas that could be improved</li> </ul>
Food and nutrition		<ul style="list-style-type: none"> <li>Eats a healthy range of foodstuffs and understands need for variety in food [Dev Mat <b>Health and Self Care</b> 40-60+]</li> <li>Shows some understanding that good practices with regard to exercise, eating, sleeping and hygiene can contribute to good health [Dev Mat <b>Health and Self Care</b> 40-60+]</li> </ul>	<ul style="list-style-type: none"> <li>Begin to understand that all food comes from plants or animals</li> <li>Explore the understanding that food has to be farmed, grown elsewhere (eg at home) or caught</li> <li>Start to understand how to name and sort foods into the five groups in the 'Eat Well' plate</li> <li>Begin to understand that everyone should eat at least five portions of fruit and vegetables every day</li> <li>Know how to prepare simple dishes hygienically and safely, without using a heat source; know how to use techniques such as cutting, peeling and grating</li> </ul>	<ul style="list-style-type: none"> <li>Understand that all food comes from plants or animals</li> <li>Know that food has to be farmed, grown elsewhere (eg at home) or caught</li> <li>Understand how to name and sort foods into the five groups in the 'Eat Well' plate</li> <li>Know that everyone should eat at least five portions of fruit and vegetables every day</li> <li>Demonstrate how to prepare simple dishes hygienically and safely, without using a heat source</li> <li>Demonstrate how to use techniques such as cutting, peeling and grating</li> </ul>