


DT Knowledge Progression

	Birth– 3	3 – 4	Reception	Y1	Y2
<p>Developing, planning and communicating ideas.</p>	<p>I experiment with blocks, colours and marks.</p> <p>I repeat actions that have an effect.</p> <p>I explore materials with different properties.</p> <p>I explore natural materials, indoors and outside.</p>	<p>I show an interest in technological toys with knobs or pulleys, or real objects such as cameras and mobile phones.</p> <p>I am developing preferences for forms of expression.</p> <p>I capture experiences and responses with a range of media such as music, dance, paint and other materials or worlds.</p> <p>I use all my senses in hands on exploration of natural materials.</p> <p>I explore collections of materials with similar and/or different properties.</p> <p>I talk about what I see, using a wide vocabulary.</p>	<p>I can manipulate materials to achieve a planned effect.</p> <p>I construct with a purpose in mind using a variety of resources.</p>	<p>I draw on my own experience to help generate ideas</p> <p>I suggest ideas and explain what they are going to do</p> <p>Identify a target group for what they intend to design and make</p> <p>I model my ideas in card and paper.</p> <p>I develop my design ideas applying findings from their earlier research.</p>	<p>I generate ideas by drawing on my own and other people's experiences</p> <p>I develop my design ideas through discussion, observation , drawing and modelling</p> <p>I identify a purpose for what I intend to design and make</p> <p>I identify simple design criteria.</p> <p>I make simple drawings and label parts.</p>
<p>Working with tools, equipment, materials and components to make quality products (inc-food)</p>	<p>I operate mechanical toys eg turns the knob on a windup toy or pulls back on a friction car.</p> <p>I show control in holding and using jugs to pour, hammers and mark making tools.</p>	<p>I talk about why things happen and how things work.</p> <p>I know how to operate simple equipment.</p> <p>I use various construction materials.</p> <p>I am beginning to construct stacking blocks vertically and horizontally, making enclosures and creating spaces.</p> <p>I join construction pieces together to build and balance.</p> <p>I realise tools can be used for a purpose.</p> <p>I understand use of objects (eg "What do we use to cut things?")</p> <p>I explore different materials freely, in order to develop my ideas about</p>	<p>I use simple tools and techniques competently and appropriately.</p> <p>I select appropriate resources and adapts work where necessary.</p> <p>I select tools and techniques needed to shape, assemble and join materials they are using.</p> <p>I can safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function.</p>	<p>I make my design using appropriate techniques</p> <p>I with help measure, mark out, cut and shape a range of materials</p> <p>I use tools e.g. scissors and a hole punch safely</p> <p>I assemble, join and combine materials and components together using a variety of temporary methods e.g. glues or masking tape</p> <p>I select and use appropriate fruit and vegetables, processes and tools</p> <p>I use basic food handling, hygienic practices and personal hygiene</p> <p>I use simple finishing techniques to improve the appearance of their product</p>	<p>I begin to select tools and materials; use vocab' to name and describe them</p> <p>I use hand tools safely and appropriately</p> <p>I assemble, join and combine materials in order to make a product</p> <p>I cut, shape and join fabric to make a simple garment. Use basic sewing techniques.</p> <p>I follow safe procedures for food safety and hygiene.</p> <p>I choose and use appropriate finishing techniques</p>

		<p>how to use them and what to make.</p> <p>I develop my own ideas and then decide which materials to use to express them.</p> <p>Join different materials and explore different textures.</p>			
Evaluating processes and products		<p>Realises tools can be used for a purpose.</p>	<p>Represent their own ideas thoughts and feelings through design and technology.</p> <p>Selects appropriate resources and adapts work where necessary.</p> <p>Return to and build on their previous learning, refining ideas and developing their ability to represent them.</p>	<p>▣ Evaluate their product by discussing how well it works in relation to the purpose</p> <p>▣ Evaluate their products as they are developed , identifying strengths and possible changes they might make</p> <p>▣ Evaluate their product by asking questions about what they have made and how they have gone about it</p>	<p>I evaluate against my design criteria.</p> <p>I evaluate my products as they are developed, identifying strengths and possible changes they might make</p> <p>I talk about my ideas, saying what I like and dislike about them.</p>