



Progression Map

for DT

Topic	R	Y1	Y2	Y3	Y4	Y5	Y6
Mechanisms		<p>I can tell someone about my design.</p> <p>I can create a drawing of my design.</p> <p>I can say what I like and dislike about an existing product.</p> <p>I can cut along straight lines.</p> <p>I can cut along curved lines and shapes.</p> <p>I can use tape and glue to create joints.</p> <p>I can make a simple lever.</p> <p>I can roll, fold and tear paper and card.</p>	<p>I can describe what something has to do.</p> <p>I can describe how a product works.</p> <p>I can use ICT to explore my design ideas.</p> <p>I can use simple mechanisms (hinges, levers, wheels).</p> <p>I can explain what went well with my design.</p> <p>I can evaluate my product.</p>		<p>I can use given shapes on a computer program to create a design.</p> <p>I can discuss and describe well-known designers and inventors and their work.</p> <p>I consider the impact of my design on engaging the audience.</p> <p>I can use a range of tools competently.</p> <p>I can work to the brief given.</p> <p>I can evaluate my product against the original design specification, and I can suggest how I might improve it or change it.</p>		

<p>Food</p>		<p>I can name different fruits and vegetables.</p> <p>I can explain where some food comes from.</p> <p>I understand that I should eat at least 5 portions of fruit and veg each day.</p> <p>I can use the right tools to peel.</p> <p>I can use the right tools to grate.</p> <p>I can use the right tools to chop.</p> <p>I can say what I like and don't like about my design.</p>		<p>I can explain strengths and weaknesses of existing products.</p> <p>I can weigh ingredients to an appropriate level of accuracy.</p> <p>I can use the right tools to slice.</p> <p>I can use the right tools to mix.</p> <p>I can use the right tools to spread.</p> <p>I understand all sections of the Eat well plate.</p> <p>I can evaluate the appearance and taste of my product.</p>		<p>I can estimate amount of ingredients to an appropriate level of accuracy.</p> <p>I can use the right tools to bake.</p> <p>I can use the right tools to knead.</p> <p>I can select the appropriate tools to follow a given recipe to make a savoury dish.</p> <p>I understand what different affects food types have on the body.</p> <p>I can understand how different foods are produced in different areas of the world.</p> <p>I understand that some foods are seasonal.</p> <p>I understand that food is processed into different ingredients.</p> <p>I can stick to the brief given.</p> <p>I can evaluate the appearance and taste of my product against the criteria.</p>	
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<p>Construction</p>		<p>I can say what something is used for.</p> <p>I can explain the features of a product.</p> <p>I can create a drawing of my design with some labels.</p> <p>I can explore different ways of joining and strengthening materials.</p> <p>I can decorate my design to make it look appealing.</p> <p>I can say at least one thing that would improve my product.</p>	<p>I can create a design of my product with labels.</p> <p>I can select suitable materials for my design.</p> <p>I can make an axel.</p> <p>I can make a mock-up of my design.</p> <p>I can find ways to make structures stronger and more stable.</p> <p>I can say how I could improve my design next time.</p>	<p>I can design and generate ideas through discussion.</p> <p>I can create a cross sectional drawing of my design.</p> <p>I can cut materials to shape accurately.</p> <p>I can draw shapes and nets accurately.</p> <p>I can construct 3D shapes to form nets.</p> <p>I can understand simple mechanisms.</p> <p>I can create simple joins with wood.</p> <p>I can create a crank, cam, slider and lever mechanisms.</p> <p>I can evaluate my work against my design criteria.</p>		<p>I can design products that are innovative and meet the given criteria.</p> <p>I can create a prototype of my design.</p> <p>I can build frameworks using a range of materials such as wood, card, plastic.</p> <p>I can use a glue gun with close supervision.</p> <p>I can trial my own ideas and update them or develop them as they are being made.</p> <p>I can evaluate my end product and the design process.</p>	<p>I can investigate and analyse the purpose and appearance of existing products.</p> <p>I can create an exploded diagram of my design.</p> <p>I can select from and use a wider range of tools and equipment to perform practical tasks.</p> <p>I can cut wood accurately to 1mm.</p> <p>I can use a screwdriver to secure material with accuracy.</p> <p>I can select the most appropriate way to join or secure material.</p> <p>I can apply skills of critical thinking when evaluating the quality and effectiveness of my own or others' products.</p>
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Textiles			<p>I can create a template of my design.</p> <p>I can join fabrics using staples.</p> <p>I can join fabrics using a running stitch.</p> <p>I can decorate textiles using buttons, beads, sequins, braids and ribbons.</p> <p>I can colour fabrics using paints to print and paint.</p> <p>I can use a simple circuit in a model.</p> <p>I can say if my design has met the design criteria.</p>	<p>I can produce and plan and explain it.</p> <p>I can join fabrics using a wide range of stitches.</p> <p>I can choose the most appropriate joining technique to add decoration to fabric.</p> <p>I can use a given sewing pattern to add detail to my design.</p> <p>I can use a printing block to add detail to my design.</p> <p>I can evaluate my work against my design criteria and say how I would improve it.</p>		<p>I can research, including using ICT to find other peoples' designs that are in use, to adapt for my own design.</p> <p>I can generate, develop, model and communicate my ideas through discussion, annotated sketches.</p> <p>I can cut internal shapes.</p> <p>I can select the most appropriate join for my design.</p> <p>I can create my own simple sewing pattern for my design.</p> <p>I can use appliqué to decorate by gluing and stitching.</p> <p>I can evaluate my ideas and products against my design criteria.</p>	
Electrical Systems					<p>I can evaluate original designs.</p> <p>I can record my ideas using plans and diagrams.</p> <p>I can select the most appropriate material for my product.</p>		<p>I can use a computer-aided design program to create designs with text and graphics.</p> <p>I can create a prototype of my design.</p> <p>I can include an electrical circuit in my</p>

					<p>I can include a simple electrical circuit in my product.</p> <p>I can adapt my design when my original idea does not work.</p> <p>I can evaluate my work against the design criteria.</p>		<p>design such as a motor to create moving parts.</p> <p>I can select from and use a wider range of materials and components according to their functional properties and aesthetic qualities.</p>
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