

## KS3 Design and Technology Pathways

<b>7-9</b>	<ul style="list-style-type: none"> <li>• Research is conducted in a thorough manner relevant to product design and development. Findings have influenced my designs and I have annotated to explain this.</li> <li>• Ideas communicated with clarity using appropriate drawing, rendering and modelling techniques</li> <li>• Ideas show high level of creativity and innovation.</li> <li>• To select appropriate materials, tools and equipment to produce a high quality finished product, within the timescales provided.</li> <li>• The plan includes sensible timescales, any deviation from the original plan have been recorded and justified.</li> <li>• Demonstrates an excellent understanding of safety, having worked carefully with a range of tools, materials, equipment and components without incident.</li> <li>• When evaluating, justify and explain reasoning through self and peer assessment, making excellent references to future developments and improvements.</li> <li>• Acted upon feedback independently to extend and enhance ideas and outcomes throughout projects.</li> <li>• Extension work conducted routinely to support further understanding of material areas and product design. (Through homework and classwork tasks).</li> </ul>
<b>6-8</b>	<ul style="list-style-type: none"> <li>• Research is conducted in an appropriate manner relevant to product design and development. Most of the findings have influenced the designs and annotation has been included to explain this.</li> <li>• Ideas communicated using appropriate drawing, rendering and modelling techniques.</li> <li>• Ideas show good level of creativity and innovation.</li> <li>• To select appropriate materials, tools and equipment to produce a good quality finished product, within the timescales provided.</li> <li>• The plan mostly includes sensible timescales, any deviation from the original plan have been recorded and justified.</li> <li>• Demonstrates a good understanding of safety, having worked carefully with a range of tools, materials, equipment and components without incident.</li> <li>• When evaluating, explained reasoning through self and peer assessment, suggesting good solutions to future developments and improvements.</li> <li>• Acted upon feedback mainly independently to extend and enhance ideas and outcomes throughout projects.</li> <li>• Extension work conducted regularly and frequently to support further understanding of material areas and product design. (Through homework and classwork tasks).</li> </ul>
<b>5-7</b>	<ul style="list-style-type: none"> <li>• Research is conducted which is relevant to product design and development. Some of the findings have influenced the designs. There is some evidence of annotation to explain this.</li> <li>• Ideas communicated using two or more of the following methods: drawing, rendering and modelling techniques.</li> <li>• Ideas show some creativity and innovation.</li> <li>• To select appropriate materials, tools and equipment to produce a satisfactory quality finished product, mostly within the timescales provided.</li> <li>• The plan includes some sensible timescales, deviation from the original plan have often been recorded and justified.</li> <li>• Demonstrates a good understanding of safety, having worked well with a range of tools, materials, equipment and components without incident.</li> <li>• When evaluating, there is evidence of using both self and peer assessment, making reference to some future developments and improvements.</li> <li>• Feedback is often act upon, mostly independently to extend and enhance ideas and outcomes throughout projects.</li> <li>• Extension work often conducted frequently to support further understanding of material areas and product design. (Through homework and classwork tasks).</li> </ul>

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<b>4-6</b>	<ul style="list-style-type: none"> <li>• Some research is carried out which is relevant to product design and/or development. A few of the findings have influenced the designs and has added a little annotation to explain this.</li> <li>• Ideas communicated using one or more of the following methods: drawing, rendering and modelling techniques.</li> <li>• A few ideas show creativity and/or innovation.</li> <li>• To select appropriate materials, tools and equipment to produce an adequate level of quality to the mostly finished product.</li> <li>• The plan includes some suitable timescales, changes have been recorded.</li> <li>• Demonstrates an adequate level of understanding of safety, having worked with some accuracy using some tools, materials, equipment and components.</li> <li>• When evaluating, there is evidence of using both self and peer assessment, making adequate reference to future improvements.</li> <li>• Feedback is often act upon when instructed, to extend ideas and outcomes throughout projects.</li> <li>• Extension work sometimes conducted to support further understanding of material areas and/or product design. (Through homework and classwork tasks).</li> </ul>
<b>3-5</b>	<ul style="list-style-type: none"> <li>• Some research is carried out which is relevant to product design and/or development. There is little evidence to show how the research has been used when designing. Little annotation included.</li> <li>• Ideas communicated using one or two of the following methods: drawing, rendering and modelling techniques.</li> <li>• Little evidence of creativity in the ideas.</li> <li>• Often select appropriate materials, tools and equipment to produce a satisfactory level of quality to the mostly finished product.</li> <li>• Stages for planning have been recorded. There is some evidence of recording changes.</li> <li>• Demonstrates an adequate level of understanding of safety, having demonstrated accuracy in some parts of the product, using some tools, materials, equipment and components.</li> <li>• When evaluating, there is little evidence of either self and/or peer assessment, making little reference to future improvements.</li> <li>• Feedback is sometimes acted upon when instructed to add more detail to the work.</li> <li>• Little extension work carried out. (Through homework and classwork tasks).</li> </ul>
<b>2-4</b>	<ul style="list-style-type: none"> <li>• One or 2 pieces of research gathered, which is relevant to product design and/or development.</li> <li>• 2 Ideas communicated using one of the following methods: drawing, rendering and modelling techniques. I have included one or 2 words for annotation.</li> <li>• 1 or 2 ideas show some creativity</li> <li>• Materials, tools and equipment are often select appropriately to produce a nearly completed product, showing a satisfactory level of quality to parts of the mostly finished product.</li> <li>• Most of the planning stages have been recorded. Little evidence of any changes being recorded.</li> <li>• Demonstrated an adequate level of understanding of safety, having demonstrated accuracy in some parts of the product, using some tools, materials, equipment and components.</li> <li>• When evaluating, there is little evidence of either self and/or peer assessment. Some pieces of either verbal or written of my feedback has been acted upon, when instructed to do so.</li> </ul>
<b>1-3</b>	<ul style="list-style-type: none"> <li>• There is a piece of research, which is relevant to product design and/or development.</li> <li>• 2 Ideas communicated using one of the following methods: drawing, rendering and modelling techniques. Basic annotation has been included.</li> <li>• Some creativity shown in the designs.</li> <li>• Often selects appropriate materials, tools and equipment to produce a nearly completed product, showing a basic level of quality to parts of the mostly finished product.</li> <li>• A basic planning page has been produced.</li> <li>• Demonstrated a basic level of understanding of safety, having demonstrated accuracy in some parts of the product, using some tools, materials, equipment and components.</li> <li>• When evaluating, there is little evidence of assessing the work. One or two pieces of either verbal or written feedback have been acted up when instructed to do so.</li> </ul>