

## KS3 Design and Technology Step 9-1 Descriptors

<u>Step</u>	<u>Descriptor</u>
	To achieve each step candidates will be able to:
<b>9</b>	<ul style="list-style-type: none"> <li>• work independently, with competence in all aspects of the work.</li> <li>• consistently apply knowledge and understanding of materials, tools, equipment and processes in order to produce innovative design ideas and exceptional practical outcomes.</li> <li>• work with flair and originality and are able to instinctively modify their work through exploration and extended research.</li> <li>• evaluate work in depth and respond constructively to feedback from others considering strengths and improvements justified, showing modifications that can be made to their outcome.</li> </ul>
<b>8</b>	<ul style="list-style-type: none"> <li>• work independently in most aspects of their work.</li> <li>• apply most of their technical knowledge on materials, tools, equipment and processes in order to produce a creative design that turns in to a high-quality practical outcome.</li> <li>• demonstrate ability to work with materials, tools and equipment with precision to produce outcomes of a very high quality.</li> <li>• evaluate their own work well with feedback and is able to act on and give feedback to others considering justified strengths and areas for improvement.</li> </ul>
<b>7</b>	<ul style="list-style-type: none"> <li>• show they can work independently at times.</li> <li>• apply knowledge and understanding of materials, tools, equipment and processes in order to produce creative and original design ideas and practical outcomes.</li> <li>• show clear development in their design ideas, taking account of further research.</li> <li>• demonstrate ability to work with materials, tools and equipment with accuracy to produce outcomes of a high quality.</li> <li>• evaluate their outcomes to consider strengths and improvements and respond appropriately to feedback from others and with full justification.</li> </ul>
<b>6</b>	<ul style="list-style-type: none"> <li>• demonstrate good knowledge and understanding of materials, construction methods and processes, selecting those appropriate to the tasks in hand.</li> <li>• work without guidance to use most of the use tools and equipment safely and accurately and can demonstrate the ability to work with different materials, tools and equipment.</li> <li>• produce an original idea and a practical design and act on feedback to create a high-quality outcome.</li> <li>• evaluate their outcomes to consider strengths and improvements with full justification.</li> </ul>
<b>5</b>	<ul style="list-style-type: none"> <li>• demonstrate good knowledge and understanding of materials, construction methods and processes, selecting those appropriate to the tasks in hand.</li> <li>• be creative in their approach to design tasks, carrying out further research when required to inform, and advance, the development of ideas.</li> <li>• use tools and equipment safely and accurately with minimal guidance for outcomes of a good quality</li> <li>• evaluate their outcomes to consider strengths and improvements with some justification.</li> </ul>
<b>4</b>	<ul style="list-style-type: none"> <li>• draw upon their research to inform the development of ideas, applying some creativity to design work.</li> <li>• know the different classifications of materials and how they are used based on this.</li> <li>• work safely with tools and equipment with a level of independence require occasional prompts when manufacturing outcomes achieve outcomes of a good standard with limited guidance.</li> <li>• evaluate their outcomes to consider strengths and improvements.</li> </ul>
<b>3</b>	<ul style="list-style-type: none"> <li>• design a range of creative ideas and develop work further with constructive feedback.</li> <li>• understands a range of different materials and tools and their uses.</li> <li>• work with materials, tools and equipment with guidance to safely to complete a finished product.</li> <li>• basic evaluation of their outcomes to consider strengths and improvements.</li> </ul>
<b>2</b>	<ul style="list-style-type: none"> <li>• generate a range of ideas with some consideration to target market.</li> <li>• demonstrates a basic knowledge and understanding of the materials, tools, equipment and processes.</li> <li>• have an awareness of the need to apply safe working practices and with technical support are able to produce an outcome.</li> <li>• basic evaluation of their outcomes to consider good/bad points.</li> </ul>
<b>1</b>	<ul style="list-style-type: none"> <li>• generate basic ideas for the design brief</li> <li>• demonstrates a limited knowledge of the materials, tools, equipment and processes.</li> <li>• have an awareness of safe working practices to make a final outcome.</li> <li>• basic evaluation of their outcomes to consider good/bad points.</li> </ul>