

KS3 Design and Technology Step 9-1 Descriptors

<u>Step</u>	<u>Descriptor</u>
	To achieve each step candidates will be able to:
9	<ul style="list-style-type: none"> • work independently, with competence in all aspects of the work. • consistently apply knowledge and understanding of materials, tools, equipment and processes in order to produce innovative design ideas and exceptional practical outcomes. • work with flair and originality and are able to instinctively modify their work through exploration and extended research. • 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.
8	<ul style="list-style-type: none"> • work independently in most aspects of their work. • 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. • demonstrate ability to work with materials, tools and equipment with precision to produce outcomes of a very high quality. • 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.
7	<ul style="list-style-type: none"> • show they can work independently at times. • apply knowledge and understanding of materials, tools, equipment and processes in order to produce creative and original design ideas and practical outcomes. • show clear development in their design ideas, taking account of further research. • demonstrate ability to work with materials, tools and equipment with accuracy to produce outcomes of a high quality. • evaluate their outcomes to consider strengths and improvements and respond appropriately to feedback from others and with full justification.
6	<ul style="list-style-type: none"> • demonstrate good knowledge and understanding of materials, construction methods and processes, selecting those appropriate to the tasks in hand. • 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. • produce an original idea and a practical design and act on feedback to create a high-quality outcome. • evaluate their outcomes to consider strengths and improvements with full justification.
5	<ul style="list-style-type: none"> • demonstrate good knowledge and understanding of materials, construction methods and processes, selecting those appropriate to the tasks in hand. • be creative in their approach to design tasks, carrying out further research when required to inform, and advance, the development of ideas. • use tools and equipment safely and accurately with minimal guidance for outcomes of a good quality • evaluate their outcomes to consider strengths and improvements with some justification.
4	<ul style="list-style-type: none"> • draw upon their research to inform the development of ideas, applying some creativity to design work. • know the different classifications of materials and how they are used based on this. • 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. • evaluate their outcomes to consider strengths and improvements.
3	<ul style="list-style-type: none"> • design a range of creative ideas and develop work further with constructive feedback. • understands a range of different materials and tools and their uses. • work with materials, tools and equipment with guidance to safely to complete a finished product. • basic evaluation of their outcomes to consider strengths and improvements.
2	<ul style="list-style-type: none"> • generate a range of ideas with some consideration to target market. • demonstrates a basic knowledge and understanding of the materials, tools, equipment and processes. • have an awareness of the need to apply safe working practices and with technical support are able to produce an outcome. • basic evaluation of their outcomes to consider good/bad points.
1	<ul style="list-style-type: none"> • generate basic ideas for the design brief • demonstrates a limited knowledge of the materials, tools, equipment and processes. • have an awareness of safe working practices to make a final outcome. • basic evaluation of their outcomes to consider good/bad points.