



HSMS Design Technology Progress Ladder (KS3 Year 7&8)



		Investigation and Context	Design, development and Planning	Making	Testing and Evaluation
YEAR 7	YEAR 8				
	8.9 M+	<p>I can link my specification to my research.</p> <p>I can analyse my research and explain how the information will influence my design.</p> <p>I have explored economic and social effect linking to my context.</p> <p>My specification is thorough, well justified and covers all required criteria.</p> <p>I can evaluate my research and suggest ways it will help me within my project and the possibilities within my project.</p>	<p>My designs are imaginative, innovative, and creative.</p> <p>Developments consider function, aesthetics and social, moral and cultural impacts.</p> <p>My ideas are presented with a range of techniques.</p> <p>I have collected useful feedback about my designs.</p> <p>I have tested my design against my specification. I can explain the feedback and use it to develop my design.</p>	<p>I can create a highly skilful and creative product covering a range of materials and skills/ processes.</p> <p>I worked completely independently throughout.</p> <p>My product is fully functional with an excellent finish.</p> <p>I worked with a high degree of independence.</p>	<p>My evaluation clearly considers how my product is influenced/effects social, moral, cultural and environmental issues.</p> <p>I can evaluate my work for its commercial viability.</p> <p>I can justify the methods of manufacture chosen by comparing it to other alternative manufacture methods.</p>
7.9 M+	8.8 8.7 M	<p>I can justify a few of my specification points in detail.</p> <p>I can independently research and explain how this relates to the context.</p> <p>I can write a detailed specification independently.</p> <p>I can independently collect a range of relevant information closely relating to the context.</p>	<p>I can produce designs that are creative and I have thought of different possibilities.</p> <p>My annotation justifies material choice, function and aesthetics.</p> <p>I can create a wide variety of creative and innovative ideas and can justify their effectiveness.</p> <p>I have used my model/ prototype to help me develop my design to a final solution.</p>	<p>I can produce a final product that is accurately made giving it a high-quality finish and includes a variety of materials and complex skills/ processes.</p> <p>My final product is accurately made and functions adequately/ well.</p> <p>Overall, I have achieved a good level of finish.</p>	<p>I can test most aspects of my work and refine them against needs of the user/specification, considering the views of my target market.</p> <p>I can discuss how I have solved problems during my project.</p>



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7.8 7.7 M	8.6 8.5 S	<p>I can write a specification independently.</p> <p>My research relates closely to the context or user needs.</p> <p>I can research independently using a wide variety of sources.</p> <p>I can form my own opinions to help me develop my ideas.</p> <p>I can show good understanding of the project brief/ target market/ user needs.</p>	<p>I can say why materials have been chosen, based on their properties.</p> <p>The design is imaginative and creative and has been developed from the research.</p> <p>I can develop a detailed specification for my work and use this to explore more challenging design ideas.</p> <p>When designing I can show a good understanding of the materials and their working characteristics.</p>	<p>I worked mostly independently.</p> <p>Parts of the product are accurately made giving a good overall finish.</p> <p>I can work independently with a range of tools and equipment and demonstrate high level skills and accuracy throughout.</p> <p>My final product is finished to a high standard and does what it is intended to do.</p> <p>I have checked my work as it develops and modified my approach in light of progress.</p>	<p>I can test some aspects of my product and use the results to write evaluative comments.</p> <p>I can evaluate how effectively I have used my research, identifying areas for improvement and suggesting alternatives throughout.</p> <p>I can compare my work against the specification, clearly identify good points and areas for improvement to develop my own critical point of view.</p>
7.6 7.5 S	8.4 8.3 D	<p>I can write a specification independently.</p> <p>I can begin to independently choose the types of research I will gather.</p> <p>I can conduct research using several sources / analysed the work of others and taken account of this information to inform my design development.</p> <p>I am aware of how research affects designs.</p>	<p>I can sketch a range of original ideas and they are labelled with joining methods, materials and how they work.</p> <p>I can create detailed/ challenging design ideas and develop them well with clear links to research.</p> <p>If relevant my design ideas are linked to the brief/ target market/ user.</p> <p>I have considered my choice of materials and techniques.</p>	<p>I have independently completed several basic skills.</p> <p>I have attempted more challenging skills but still need help.</p> <p>My final product functions well and reflects my ideas.</p> <p>I have successfully demonstrated independence and skill in use of tools and equipment.</p> <p>I can show an understanding of the tools used and can select the correct tool for the process I am carrying out.</p>	<p>I can say or write WWW/EBI for some aspects of practical and written work.</p> <p>I can give a detailed evaluation of my work.</p> <p>I can evaluate how my product performs against the specification.</p>
7.4 7.3	8.2 8.1	<p>I can recognise some important information and resources when researching and have shown some</p>	<p>I have begun to develop my ideas and choices.</p>	<p>I have shown I understand the need for care.</p>	<p>I have shown a sound understanding of how I have worked and recognised how my work can be evaluated.</p>



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D	E	<p>understanding of the brief/ target market/ user.</p> <p>I have developed some appropriate ideas.</p>	<p>I have tried to challenge myself with my design choice.</p>	<p>I have demonstrated detail and accuracy in the use of tools and equipment.</p> <p>I have developed my skills in being able to create a product that reflects my ideas.</p>	<p>I have identified and discussed good points and areas for improvement. Connectives and some complex sentences have been used.</p>
7.2 7.1	E	<p>I can show some understanding of what to research and have begun to collect information for my work by using two sources for research.</p>	<p>I can clarify my ideas when asked to using words or drawings to explain some of the detail.</p> <p>My ideas are varied and show some creativity. All ideas are complete.</p>	<p>I can use the correct tools and equipment with some accuracy and have shown some attention to detail.</p> <p>I need to apply more attention to the look (aesthetics)/ function of my product as this would give me better marks.</p>	<p>I can give an account of what I have done, identifying some good and weak aspects of my work using simple connectives.</p>