

HSMS Design Technology Progress Ladder (KS2 Year 5&6)

			Year 5 Developing <i>Working towards age related expectations</i>	Year 5 Secure <i>Meeting age related expectations</i>	Year 5 Mastery <i>Working above age related expectations</i>	
		Year 5 Not Accessing ARE	Year 6 Not Accessing ARE	Year 6 Developing <i>Working towards age related expectations</i>	Year 6 Secure <i>Meeting age related expectations</i>	Year 6 Mastery <i>Working above age related expectations</i>
	Investigation and Context Identify design possibilities and understand how key events and individuals in design and technology have helped shape the world.	My research may not be related to the project and may be missing or unfinished.	I have started to collect pictures from one source, they are mostly related to the project.	I can show some understanding of what to research and have begun to collect information for my work by using two sources for research.	I can recognise some important information and resources when researching and show some understanding of my brief/target market/audience. This has helped me to develop some appropriate ideas.	- I can write a specification independently. - I can begin to independently choose the types of research I will gather. - I can research (using several sources) / analysed the work of others and taken account of this information to inform your design development. I am aware of how this affects designs.
	Design, Development and Planning Use research and develop a design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups. Generate, develop, model and communicate ideas through a variety of techniques	My design drawings may be unfinished or missing.	- I can use drawings only to describe my designs. Designs may not always be inspired by research. Presentation may be lacking. - I understand what a design criteria is and can write a basic one.	- I can produce design ideas that are varied and creative. All ideas are complete. - I can clarify my ideas when asked to using words or drawings to explain some of the detail. - I can develop my own design criteria and use these to inform my ideas.	- I have begun to develop my ideas and choices. I have tried to challenge myself with my design choice. - I can develop a detailed specification for my work and used this to explore more challenging design ideas.	- I can sketch a range of original ideas and they are labelled with joining methods, materials and how they work. - I can create detailed/challenging design ideas and develop them well with clear links to research. If applicable they are linked to the brief/target market/audience and I have considered my materials and techniques.
	Making Select from and use a wider range of appropriate tools and equipment to perform practical tasks accurately. Select from and use a wider range of materials and components according to their functional properties and aesthetic qualities.	I need an adult close by and supporting me most of the time when I am making. Making may be unfinished or processes missing.	- I can mark out, cut and shape materials with help/guidance. - I can assemble, join and combine materials and components with help/guidance. - I can use/select tools and equipment with help/guidance but have shown minimal attention to detail. My work does not always match my designs.	- I can mark out, cut and shape materials with some accuracy. - I can assemble, join and combine materials and components with some accuracy. - I can use the correct tools and equipment with some accuracy and have shown some attention to detail. I need to apply more attention to the look/function of my work as this would give me better marks.	- I can mark out, cut and shape materials accurately. - I can assemble, join and combine materials and components accurately. - I have shown I understand the need for care. I can demonstrate detail and accuracy in the use of my tools and equipment. I have developed my skills in being able to create work that reflects my ideas.	- I have independently completed several basic skills. I have attempted more challenging skills but still need help. - My work functions well and reflects my ideas. I have successfully demonstrated independence and skill in use of tools and equipment. - I can show an understanding of the tools used and can select the correct tool for the process I am carrying out.
	Testing and Evaluation Analyse existing products and evaluate your own design ideas and products created against your design criteria. Consider the views of others to improve your work.	With support I can talk about what went well and what could be improved with my making. Sentences may be copied from a whiteboard or worksheet.	- I can identify something that went well and something that could be improved. - I can record some simple sentences but capital letters may be missing and spellings are not always correct. Good presentation and detail can sometimes be lacking.	I can give an account of what I have done, identifying some good and weak aspects of my work using simple connectives.	- I can show a sound understanding of how I have worked and recognised how my work can be evaluated. - I have identified and discussed good points and areas for improvement. Connectives and some complex sentences have been used.	- I can say or write WWW/EBI for some aspects of practical and written work. - I can give a detailed evaluation of my work. - I can evaluate the performance of my work against identified criteria (specification).