

Year 7 Design and Technology Assessment Grid – Resistant Materials

YEAR 7	INVESTIGATION.	DESIGNING	PLANNING	PRODUCING	EVALUATION
Y7.9	<p>I have a sound knowledge and understanding of the brief and specification.</p> <p>I can collect a good range of relevant research materials.</p> <p>I can complete a good analysis of the research but parts may/may not be accurate.</p> <p>I can begin to apply my research when producing my design ideas.</p> <p>I can begin to justify and carry out some further research where appropriate.</p>	<p>I can show a good understanding of the specification requirements when generating my ideas.</p> <p>I can produce ideas using a good range of presentation techniques.</p> <p>I can annotate my ideas in detail and begin to justify my choice of materials/processes.</p> <p>I can consider some social, moral and cultural issues and discuss them in detail.</p> <p>I have an adequate level of communication and presentation.</p>	<p>I can show good/some evidence of forward planning.</p> <p>I can produce a workable plan providing a step by step approach and lists most the equipment, materials required</p> <p>I have adequate knowledge of how long each process will take.</p> <p>I can include most quality and safety controls on my plan.</p>	<p>I can work with a minimal level of supervision.</p> <p>I can use a range of equipment, materials and techniques to a good standard.</p> <p>I can use a range checking procedures as I make my product.</p> <p>I can produce a well-made, well presented product that works extremely well.</p> <p>My product may/may not be commercially viable</p>	<p>I can evaluate my final solution showing a good level of detail.</p> <p>I can use a range of consumer opinions</p> <p>Most suggestions are justified and a range of examples are given.</p> <p>I can use most ACCESS FM in a detailed manner.</p>
Y7.8	<p>I have some knowledge and understanding of the brief and specification.</p> <p>I can collect 3 or 4 pieces of research material but this may/may not be relevant.</p> <p>I can complete a fair analysis of the research but parts may not be accurate.</p> <p>I may/may not apply my research when producing my design ideas.</p> <p>I can carry out some further research but this may/may not be justified.</p>	<p>I can show an understanding of the specification requirements when generating my ideas.</p> <p>I can produce ideas using 2 or 3 presentation techniques.</p> <p>I can annotate my ideas in some detail but may/may not justify my choice of materials/processes.</p> <p>I can show an awareness of social, moral and cultural issues and discuss them.</p> <p>I have an adequate level of communication and presentation.</p>	<p>I can show some evidence of forward planning.</p> <p>I can produce a workable plan providing a step by step approach and lists some the equipment, materials required</p> <p>I have adequate knowledge of how long each process will take.</p> <p>I can include most quality and/or safety controls on my plan.</p>	<p>I can work with some level of supervision.</p> <p>I can use most equipment, materials and techniques to a good standard.</p> <p>I can use checking procedures as I make my product.</p> <p>I can produce a well-made, well presented product that works extremely well.</p> <p>My product may not be commercially viable</p>	<p>I can evaluate my final solution showing some level of detail.</p> <p>I can use some consumer opinions</p> <p>Some suggestions are justified and some examples are given.</p> <p>I can use some elements of ACCESS FM in a detailed manner.</p>
Y7.7	<p>I have a basic knowledge and understanding of the brief and specification.</p> <p>I can collect 2 or 3 pieces of research material but this may not be relevant.</p> <p>I can complete a basic analysis of the research but parts may not be accurate.</p> <p>I may not apply my research when producing my design ideas.</p> <p>I can carry out limited further research but this may not be justified.</p>	<p>I can show an awareness of the specification requirements when generating my ideas.</p> <p>I can produce ideas using 1 or 2 presentation techniques.</p> <p>I can annotate my ideas in some detail but do not justify my choice of materials/processes.</p> <p>I can show an awareness of social, moral and cultural issues but they are not discussed.</p> <p>I have an adequate level of communication and/or presentation.</p>	<p>I am aware of the need for forward planning.</p> <p>I can produce a workable plan providing a step by step approach but the equipment, materials required may/may not be missing</p> <p>I have some knowledge of how long each process will take.</p> <p>I can include most quality and/or safety controls on my plan.</p>	<p>I can work with some level of supervision.</p> <p>I can use most equipment, materials and techniques but may need help</p> <p>I can understand the need for checking procedures as I make my product but these may not be applied</p> <p>I can produce a complete product, displaying it to good effect.</p>	<p>I can evaluate my final solution showing a basic level of detail.</p> <p>I can use some consumer opinions</p> <p>A few suggestions and some examples are given but may not be justified.</p> <p>I can use some elements of ACCESS FM.</p>

Y7.6	<p>I have a limited knowledge and understanding of the brief and specification.</p> <p>I can collect 1 or 2 pieces of research material but this may not be relevant.</p> <p>I can complete a partial analysis of the research but this may not be accurate.</p> <p>I do not apply my research when producing my design ideas.</p>	<p>I have a limited understanding of the brief and/or the specification.</p> <p>I can produce basic ideas using 1 or 2 presentation techniques.</p> <p>I can label my ideas but my choice of materials/processes may not be shown.</p> <p>I can list one social/moral and/or cultural issues.</p> <p>I have a basic level of communication and/or presentation.</p>	<p>I can produce a simple step-by-step plan but many elements will be missing.</p> <p>The plan may/may not be workable</p> <p>I can give 1 or 2 basic safety checks</p>	<p>I can complete the practical work but need supervision.</p> <p>I can use some equipment, materials and techniques but need help.</p> <p>I can produce a complete product, but it lacks a quality finish.</p> <p>I need help to complete my work</p>	<p>I can make some basic comments and may/may not suggest improvements.</p> <p>I can use 2 or 3 elements of ACCESS FM.</p>
Y7.5	<p>I have a limited understanding of the brief and specification.</p> <p>I can collect 1 or 2 pieces of research material but this may not be relevant.</p> <p>I can give 1 or 2 points in the analysis of the research but this may not be accurate.</p> <p>There is no link to my research when producing my design ideas.</p>	<p>I can produce basic ideas that use pencil and colour</p> <p>I can label my ideas but my choice of materials may not be shown.</p> <p>I can list one social/moral and/or cultural issue.</p> <p>I have a basic level of communication and/or presentation.</p>	<p>I can produce a simple step-by-step plan but many elements will be missing.</p> <p>The plan may/may not be workable</p> <p>I can give 1 or 2 basic safety checks</p>	<p>I can complete the practical work but need help.</p> <p>I can use some equipment, materials and techniques but need help.</p> <p>I can produce a complete product, but it lacks a quality finish.</p> <p>I need a lot of help to complete my work</p>	<p>I can make some basic comments but may not suggest improvements.</p> <p>I can use 1 or 2 elements of ACCESS FM.</p>
Y7.4	<p>I have a limited understanding of the brief.</p> <p>I can collect 1 or 2 pieces of research material with guidance.</p> <p>I can give 1 or 2 points in the analysis of the research with guidance.</p>	<p>I can produce basic ideas that use pencil but may/may not be coloured</p> <p>My ideas may/may not be labelled.</p> <p>I have a very simple level of communication and/or presentation.</p>	<p>I can produce a simple step-by-step plan containing 2 or 3 points.</p> <p>The plan may not be workable.</p> <p>I am aware of the basic safety checks but these are not listed.</p>	<p>I can complete the practical work but need supervision.</p> <p>I can use some equipment, materials and techniques but need help.</p> <p>I can produce a complete product, but it lacks a quality finish.</p> <p>I need help to complete my work</p>	<p>I can make some basic comments but may not suggest improvements.</p> <p>I can use 1 or 2 elements of ACCESS FM.</p>