

Design & Technology

	Knowledge		Skills		
	Analysis of task and planning	Technical Knowledge	Designing	Manufacture	Reflection and evaluation
R1	I can create a simple statement of intent based on one source of research, using specification terms and lists to support the development of a basic bullet point plan.	I can begin to identify tool or utensil names & correctly select most tools or utensils with prompts.	I can create some 2D sketches based on the design brief, demonstrating basic annotation of key features: shapes, size, function, materials.	I can identify and follow basic health & safety rules with prompts. I can create partial components with direct guidance and support from staff and peers.	I can write a basic statement of what went well throughout the design & manufacture process when support is given.
R2	I can create a statement of intent based on one source of research.	I can correctly select a range of tools/utensils/material/equipment and name them, describing their use appropriately.	I can create a basic range of sketches based on the design brief & criteria. I can annotate using basic references to materials, measurements & key features.	I can identify and follow basic health & safety rules with some prompts. I can create partial components with ongoing guidance and support from staff and peers.	I can write a statement of what went well throughout the design & manufacture process using limited key terms. I can say in basic terms what could be improved.
R3	I can apply information from different sources to simple specifications. I can demonstrate the end user has been identified and described.	I can correctly select a specific range of tools and materials and am able to clearly discuss their use.	I can create a range of sketches that show links to the original design brief and the specification. I can annotate using references to materials, measurements & key features. I can attempt a final design with the end user in mind.	I can identify and follow basic health & safety rules with limited prompts. I can create partial components with limited guidance and support from staff and peers.	I can write a statement of what went well throughout the design & manufacture process using key terms. I can identify in my writing what could be improved.

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<p>F1</p>	<p>I can use a range of different sources to conduct research in to the design task. I can demonstrate an understanding of what the product must do.</p>	<p>I can correctly identify, select & explain use of specific tools/utensils/materials. I can use a basic range of correct technical language most of the time.</p>	<p>I can communicate using a range of 2D and some 3D design ideas. I can use annotation and key terms that is reflective of the design criteria. I can consider the end user in aspects of the design work. I can demonstrate my final design is a little more developed from previous designs & includes details of some materials & dimensions.</p>	<p>I can identify, follow and explain Health & Safety rules, applying them appropriately to situations. I can create components with some guidance and support from staff and peers. I can attempt a final outcome/ assembly of a product.</p>	<p>I can write a statement of what went well throughout the design & manufacture process using key terms with some detail. I can identify in my writing what could be improved, these suggestions are suitable.</p>
<p>F2</p>	<p>I can identify a range of sources used to produce evidence of an understanding of all areas of the design context. I can use the design criteria to influence some of the research which is described and explained. I can demonstrate the end user has been taken into consideration.</p>	<p>I can justify tools/utensils/materials to use for a specific task. I can use correct technical language most of the time.</p>	<p>I can communicate using a range of 2D and 3D design ideas. I can use annotation and key terms appropriately that is reflective of the design criteria. I can consider the end user in aspects of the design work. I can demonstrate my final design is developed from previous designs & includes details of some materials & dimensions.</p>	<p>I can identify, follow and explain Health & Safety rules, applying them appropriately to situations. I can create components with guidance and support from staff and peers. I can develop a final outcome/ assembly of a product.</p>	<p>I can write a statement of what went well throughout the design & manufacture process using a range of key terms appropriately. I can identify in my writing what could be improved, these suggestions are suitably justified. I can make some links to how the final product has or has not fulfilled the original design brief.</p>

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F3	<p>I can clearly analyse research and use it to develop my own ideas. The target market has been discussed but not in detail.</p>	<p>I can attempt to use tools that I am not familiar with. I can evidence the use of these tools/equipment in the production of a diary.</p>	<p>I can communicate a clearly using a range of 2D and 3D design ideas and presentation techniques. I can use annotation and key terms appropriately that is reflective of the design criteria. I can consider the end user in all aspects of the design work. I can demonstrate my final design is well developed from previous designs & includes a wide range of design details.</p>	<p>I can identify, follow and explain Health & Safety rules, applying them appropriately to situations. I can create a range of components with guidance and support from staff and peers. I can develop fully the final outcome/ assembly of a product.</p>	<p>I can write and discuss clearly what went well throughout the design & manufacture process using a range of key terms appropriately. I can identify in my writing and in discussion what could be improved. I can show an awareness of how to adapt and refine work, making links to how the final product has or has not fulfilled the original design brief.</p>
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<p>A1</p>	<p>I can demonstrate a good understanding of the design context, based on research from a variety of sources. I can demonstrate justification in my work. I can show the target market is identified and considered throughout. I can evidence a clear strategy for design development.</p>	<p>I can identify and use a challenging selection of materials/utensils/tools/equipment. I can give an explanation of alternative options using correct language at all times.</p>	<p>I can show imaginative ideas have been developed demonstrating creativity. Design proposals are developed with reference to social, moral & environmental issues. Development work is completed through different methods. A final design is clear, including details of dimensions & materials.</p>	<p>I can show a high level of Health & Safety awareness throughout my work/ making. I can create components independently. I can demonstrate my final outcome/product shows a good level of making/modelling/ finishing skills & accuracy. I can begin to show leadership skills, giving advice and practical support correctly to others.</p>	<p>I can write, discuss and model clearly what went well throughout the design & manufacture process using a range of key terms appropriately. I can identify in my writing, sketching and discussion what could be improved. I can show an awareness of how to adapt and refine work independently, making links to how the final product has or has not fulfilled the original design brief.</p>
<p>A2</p>	<p>I can demonstrate an excellent understanding and analysis of the design context. I can recognise analysis of existing design movements or designers. I can show my target market is clearly identified and client is profiled.</p>	<p>I can fully justify production processes for tasks & explain how this would be completed in the making. I can use correct language at all times.</p>	<p>I can demonstrate imaginative ideas have been developed showing creativity & originality. I can demonstrate ideas are further developed to take in to account ongoing research. I can refine my design proposals, showing some awareness of social, moral & environmental issues relating to the design. I can trial development work, completing this</p>	<p>I can show a high level of Health & Safety awareness throughout my work/ making. I can create a range of components independently. I can demonstrate my final outcome/product shows a high level of making/modelling/ finishing skills & accuracy. I can show leadership skills, giving advice and practical support correctly to others.</p>	<p>I can write, discuss and model clearly what went well throughout the design & manufacture process using a range of key terms appropriately. I can identify in my writing, sketching and discussion with some detail what could be improved. I can show a clear awareness of how to adapt and refine work independently, drawing conclusions on how the final product has or has</p>

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			through a range of methods. A final design is clear, including details of dimensions & materials.		not fulfilled the original design brief.
A3	I can demonstrate a clear understanding and detailed analysis of research that has been undertaken. I can show the target market has also been used to influence the continued research. I can demonstrate all research has been analysed in detail and research is relevant to the project.	I can discuss appropriate materials/ingredients and components with full regard to their working properties and suitability.	I can demonstrate imaginative and innovative ideas have been developed, demonstrating creativity, flair and originality. I can demonstrate further developments made take into account ongoing research. I can create excellent development work through experimentation with a wide variety of techniques in order to produce a final design solution.	I can show a high level of Health & Safety awareness throughout my work/ making. I can create a range of components with a high level of independence. I can demonstrate my final outcome/product shows a high level of sustained making/modelling/ finishing skills & accuracy. I can show leadership skills, giving clear advice and practical support correctly to others.	I can write, discuss and model clearly what went well throughout the design & manufacture process using a detailed range of key terms appropriately. I can identify in my writing, sketching and discussion very clearly what could be improved. I can show a strong awareness of how to adapt and refine work independently, drawing conclusions on how the final product has or has not fulfilled the original design brief.