



Key Stage 3 Design and Technology Assessment Grid

| | A | B | C | D | E | F | G | H | I |
|------------------|--|--|---|---|--|--|--|--|--|
| Design | <p>I understand the need for a design brief.</p> <p>I understand the need for research.</p> <p>I understand the need for a specification.</p> <p>I can copy from an idea.</p> <p>I can improve the quality of my ideas</p> <p>I understand the need for planning</p> | <p>I can read the design brief statement</p> <p>I understand the need for research and have discussed it</p> <p>I can read a specification</p> <p>I understand the need for ideas and explain it</p> <p>I understand the need to develop ideas.</p> <p>I understand the need for planning and can talk about it.</p> | <p>I can write a statement of what is to be made.</p> <p>I have completed some research tasks to a basic standard.</p> <p>I can read a specification</p> <p>I understand the need for ideas and explain it</p> <p>I understand the need to develop ideas.</p> <p>I understand the need for planning and can write about it.</p> | <p>I can write a statement of what is to be made.</p> <p>I have completed some research tasks to a basic standard.</p> <p>I can follow a specification and understand it</p> <p>I can produce a simple idea for a project.</p> <p>I can produce a final design based on knowledge.</p> <p>I can state a series of steps needed to make a product including parts lists.</p> | <p>I can write a detailed description of what is to be made and why</p> <p>I can produce research as required for the product to a good standard</p> <p>I can write a specification.</p> <p>I can produce several simple ideas, with annotations considering the needs of the specification.</p> <p>I can produce several options for final design with some detail about materials and sizes.</p> <p>I can produce a brief step by step plan of how to make a product and identify what parts are needed.</p> | <p>I can write a detailed description of the intended product considering the needs of the user.</p> <p>I can produce detailed and relevant research as required by the project to a very good standard.</p> <p>I can write a relevant specification.</p> <p>I can produce several good ideas good ideas, with annotations, considering the needs of the specification.</p> <p>I can produce several options for a final design leading to a final design with reference to materials and sizes.</p> | <p>I can describe a range of design features linked to research into materials, products, components and processes.</p> <p>I can highlight key properties and state how research will affect the client (outcome).</p> <p>I can write a detailed specification.</p> <p>I can generate a range of creative ideas in both 2 and 3 dimensions. Ideas consider design criteria and some wider issues. Ideas are rendered to a high standard and annotated to explain key features.</p> | <p>I can describe a range of design features linked to specific research into materials, products, components and processes.</p> <p>I can highlight key properties, facts and key terms and can list how their research will affect the client (outcome).</p> <p>I can write a detailed specification.</p> <p>I can create original ideas in 2 and 3 dimensions that are fully rendered to represent different materials and shadows. The ideas are annotated in detail to highlight key features and methods of construction.</p> | <p>I can describe in detail a range of design features linked to specific research into materials, products, components, processes.</p> <p>I can highlight key properties, facts and key terms and can describe how their research will affect the client (outcome).</p> <p>I can write a detailed specification justifying some of their points.</p> <p>I can develop imaginative and innovative ideas, with an appropriate design strategy demonstrating creativity, flair and originality. Ideas have been developed, rendered to a high standard showing realism and are annotated in detail that highlights key features, materials and construction methods.</p> |
| Make | <p>I have attempted to make a product.</p> | <p>I have made a mostly finished product.</p> | <p>I have made a finished product.</p> | <p>I have made a good product with some inaccuracies.</p> | <p>I have made a high-quality product.</p> | <p>I have made good quality product, meeting the requirements of the specification.</p> | <p>I can make a challenging product safely, demonstrating skill in the selection and use of a wide range of tools, equipment, materials and finishing techniques.</p> | <p>I can make a challenging product safely, demonstrating higher levels of skill in the selection and use of a wider range of tools, equipment, materials and finishing techniques.</p> | <p>I can work independently to produce a rigorous and demanding outcome using a wider range of tools, equipment, materials and finishing techniques.</p> |
| Evaluate | <p>I can verbally discuss my project</p> | <p>I understand the need for an evaluation.</p> | <p>I have partially completed an evaluation.</p> | <p>I have completed an evaluation.</p> | <p>I have evaluated my work and explained how it can be improved.</p> | <p>I have evaluated my work against the specification and explained how it can be improved.</p> | <p>I can evaluate the final product against the design criteria, explaining improvements needed based on positive and negative comments and can gather peer feedback on their work.</p> | <p>I can evaluate the final product against the design criteria, explaining and justifying improvements needed based on positive and negative comments and can gather peer feedback on their work.</p> | <p>I can evaluate the final product in detail against the design criteria, explaining and justifying improvements needed based on positive and negative comments, can gather peer feedback on their work and can suggest alternative methods of production.</p> |
| Knowledge | <p>I can state some key words/terms/materials/tools and equipment used in current project.</p> | <p>I can state key words/terms/materials/tools and equipment used in current project.</p> | <p>I can identify key words/terms/materials/tools and equipment used in current project to answer simple questions in class or during a test.</p> | <p>I can describe with examples key words/terms/materials/tools and equipment used in current project to help answer topic related questions in class or during a test.</p> | <p>I can explain with examples the key words/terms/materials/tools and equipment used in the current project to help answer topic related questions in class or in a test.</p> | <p>I can apply the key words/terms/materials/tools and equipment used in different areas to help with classwork or subject related questions in class or in a test.</p> | <p>I can understand the difference between the key words/terms/materials/tools and equipment, why they are used and apply them to different subject areas such as tests/ written pieces or questioning.</p> | <p>I can understand the difference between the key words/terms/materials/tools and equipment, why and how they are used and apply them to different subject areas in tests/written pieces or classroom questions.</p> | <p>I can demonstrate in detail the difference between, using examples, the key words/terms/materials/tools and equipment, why and how they are used and apply them to different subject areas in tests/written pieces or classroom questions.</p> |