

Design and Technology – Key Stage 3

INVESTIGATION

I can **EVALUATE** how my own ideas have been influenced by looking at the form, function and production processes of different products.
I can **DEMONSTRATE** that I am aware of the different needs of a range of users.
I can **JUSTIFY** how my designs show that I am aware of trends and patterns in existing products.

I can **CREATE** purposeful research based on my theme from a wide range of sources that will help me to develop my ideas.
I can **USE** the information gathered from looking at the form and function of products I know well to help me to develop my own ideas.
I can **RELATE** the information gathered in my research to my own developing ideas.

I can **SUMMARISE** visual information based on my theme from more than one source. This will then help me to develop my ideas.
I can **EXPLAIN** how information gathered from existing products will help me to develop the product I am designing.
I can **USE** other information (e.g. how much different materials or parts cost) for the product I am designing.

I can **CONDUCT** limited research from more than one source.
I can **STATE** relevant information from potential users/target market.
I can **DESCRIBE** technical information that I can use to design my product

I can **IDENTIFY** basic information based on my theme from one source that will help me to generate ideas.
I can **LIST** information from a potential user/target market for my product.
I can **DESCRIBE** basic technical information that I can use to help me to develop my product.

DESIGNING

I can **USE** a wide range of focused research and information to help design, improve and develop innovative ideas.
I can **EXPLAIN** how my developed design meets my specification.
I can **INCLUDE** detailed annotation, that could include information such as dimensions, materials, components, quantities and processes and meets all my specification points, SMCS

I can **DRAW** on and use a range sources of information to creatively develop my ideas.
I can **INVESTIGATE** form, function and production processes before I communicate my ideas.
I can **JUSTIFY** my ideas and development against my specification to help decide on an idea to develop.

I can **DESIGN** and develop ideas by using several sources of information.
I can **CREATE** ideas/development clear using drawings, discussion and modelling showing understanding of costs and target market.
I can **LINK** my annotation to my specification.

I can **DEVELOP** my design ideas to show improvements, using information and research I have found.
I can **USE** a combination of sketches and labels to show information about materials, components, making, etc.
I can **LIST** possible problems with my designs.

I can **DEVELOP** a design idea to show improvement using information and research that I have found.
I can **USE** simple sketches and labels to show information about materials, components, making, etc.
I can **LIST** possible problems with my designs.

MAKING

I can **JUSTIFY** my choices of materials and techniques selected to make an accurate and demanding product.
I can **MODIFY** the method of my making process to improve the outcome of my product based on changing circumstances.
I can **EXPLAIN** any changes to my work from the original design proposal.

I can **DEMONSTRATE** how to make my product by working materials with precision and using the equipment accurately and safely.
I can **SOLVE** my own problems and work independently during the making of my product.
I can **SELECT** appropriate tools and processes and use them safely

I can **EXPLAIN** my materials and equipment choices used to make my product.
I can **GIVE REASONS** for the changes I have made to my work during the making process to show that I am thinking about the quality of my work.
I can **USE** techniques I have learnt with a good level of accuracy during my making process.

I can **DESCRIBE** the equipment and materials that I need and how I will use them to make my product.
I can **IDENTIFY** any problems I have had during the making process.
I can **SELECT**, with minimum help, appropriate tools and process and make use of techniques I have learnt. I have some level of accuracy

I can **LIST** the equipment and materials that I need and how I will use them to make my product.
I can **IDENTIFY** any problems I have had during the making process.
I can **SELECT**, with help, appropriate tools and make use of techniques I have learnt

ANALYSING & EVALUATING

I can **JUSTIFY** my choices of materials and techniques selected for making my product.
I can **MODIFY** my design ideas as a result of detailed evaluation in order to create a more successful product.
I can **EXPLAIN** the method of manufacture chosen for making my product by comparing it to other alternative manufacture methods. .

I can **EXPLAIN** how my research was used to inspire my designs and create my final product.
I can **COMPARE** my own work to the work of others to help me to improve my own developing ideas.
I can **USE** other people to support my own design development and help me to solve technical problems independently.

I can **DEMONSTRATE** how I have solved problems during my design development.
I can **RECORD** any creative changes I have made to my work during the making process to show that I am thinking about how to improve.
I can **TEST** my product against my original design specification to check if it successfully fits my criteria.

I can **DESCRIBE** what works well with my project.
I can **EXPLAIN** what could be improved with my work to make it more successful.
I can **ASK** others their opinion of my work and record their answers.

I can **IDENTIFY** what works well with my project.
I can **EXPLAIN** what could be improved with my work to make it more successful.
I can **ASK** others their opinion of my work.

GRADE

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1

UP3

UP2

UP1