

DESIGN CRITERIA	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	Level 7
RESEARCH	Use classwork as a source of information.	Collect lots of different information to help you draw out ideas.	Collect information to help you draw out ideas.	Identify and use a wide range of research sources plus own knowledge.	Pupils use a wide range of appropriate sources of information to develop ideas.
IDEAS	Make a drawing of an idea.	Draw a number basic of ideas.	Use your classwork and your research to help you develop a number of ideas.	Write a design proposal taking into account appearance, function, safety, reliability, the user and purpose of design. Your ideas use a wider range of research sources, some not directly applicable, and you show understanding of the form and function of familiar items.	You investigate form, function and production processes before communicating ideas, using a variety of media.
IDEAS DEVELOPMENT	Talk to your teacher about how you could make your idea.	Use drawings and models to show how your ideas work. Label your drawings with good and bad points, saying why you chose the idea you decided to make.	Use drawings and models to help you talk about your different design ideas. Write out reasons for choosing the design you are going to make.	Use drawings and models to test out ideas. Label sketches to show detail of your chosen design e.g. sizes, joints, finish.	Use drawings and models to test out ideas. Label sketches to show detail of your chosen design e.g. sizes, joints, finish. Write out reasons for choosing the design you are going to make.
DEVELOPMENT OF DESIGN	Label a drawing of your idea .	Label a drawing of your idea to show how it works and how it is put together	Label sketches to show detail of your chosen design e.g. sizes, joints, finish.	Use formal drawing techniques to accurately show details of your design.	You recognise the different needs of a range of users and develop fully realistic designs.
EVALUATION	You write about what you liked and disliked.	Write about how well you think your idea solves the problem.	Evaluate your ideas by saying how well they solve the problem set, how well they work, and what you thought of the materials you had to work with.	Using evidence, evaluate your ideas by saying how well they solve the problem set, how well they work, and what you thought of the materials you had to work with.	You evaluate all areas of your design fully and against the specification. You give reasoned opinions and modifications for change and development.

MAKING CRITERIA	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	LEVEL 7
Planning	You think about the order in which you should do your work. You select tools and materials to use.	You make a step by step plan of production. It includes lists of tools and materials required, and processes to be used.	You produce a plan of production from which you worked. You can alter the plan of production if you had problems.	Your plans of production attempt to predict possible problems.	You produce plans that predict the time needed to carry out the main stages of making products
Use of Tools and materials	You use tools in an appropriate way, working with some accuracy. You achieved some precision in your work.	You can measure, mark out and cut simple forms in a variety of materials. You can join materials using a range of techniques, with increased accuracy.	You can use a range of tools, materials and processes safely, with increased precision and control. You measure and check your work to make sure you work accurately.	You demonstrated increased skill in practical techniques and processes. You worked with increased care and precision.	You work with a range of tools, materials, equipment, components and processes, taking full account of their characteristics.
Finished Product	Product resembles original. Simple finishing techniques used to improve the product.	The quality of your product is quite good.	Produce a quality of finish.	Increased 'quality' to finished product.	You adapt your methods of manufacture to changing circumstances, providing a higher quality finish.
Modifications and Evaluation	You make a note of changes to original design.	You tested and identified problems with your design.	You changed the methods of working if you had problems. Product evaluated against original intention, improvements suggested.	You evaluated the product in use and identified improvements. You include the views of others.	You select appropriate techniques to evaluate how your products would perform when used and modify your products in the light of the evaluation to improve their performance.
Safety	You work in a safe way , when told to.	You work in a safe way after being reminded	You can work in a safe way, with some independence.	You can operate in a safe way, largely responsible for your actions.	You operate in a safe way and are always responsible for your actions.