Design & Technology Key stage 4

I will be developing my creativity, technical and practical expertise needed to perform everyday tasks confidently and to participate successfully in an increasingly technological world.

I will build and apply a selection of knowledge, understanding and skills in order to design and make high-quality prototypes and products for a wide range of users. I will be able to critique, evaluate and test my ideas and products and the work of others.

Key Learning Question	Notes	Self-assessment	Revised
Design Brief/Situation/Target Market What writing skills are required in a design brief/situation, target market and a mood board?			
Product Analysis Why are products analysed?			
Different types of woods and associated sustainability issues. Why would you choose wood from a sustainable source?			
Design Ideas What drawing and enhancement skills are required to achieve an excellent design idea?			
Model Making – (Cardboard Models) Why is model making an important process in design?			
Electronics What the uses of electrical components?			
Soldering Why is health and safety important in a practical lesson?			
Final Model Making Why is health and safety important in a practical lesson?			
Testing and Evaluation Why is testing and evaluation an essential part in a design process?			
How do I revise for an assessment? (Study skills).			

Key Skills

Key Skills

- Interpreting and analysing sources.
- Understand and use the properties of materials.
- Use specialist tools, techniques, processes, equipment & machinery precisely, including computer-aided manufacture.
- Use of a variety of approaches to generate ideas and avoid stereotypical responses.
- Test, evaluate and refine ideas & products against a specification.
- Understand developments in design and technology its impacts on individuals, society & the environment.

Key words

Aesthetics
Cost
Customer
Environment
Safety
Size
Function
Materials
3D
Brief
Situation
Research
Specification
Design
Evaluate
Analyse
Development
Solder
Electrical
Components

Target grade:_____

Working at grade:_____

Targets to improve:

1)

2)