

Name: _____

Form: _____

Design Task: Gadget Tidy

Our lifestyles are changing rapidly and becoming increasingly busy. Our homes contain an ever-increasing range of gadgets and equipment. It is fashionable to have multi-functional living spaces. We need creative, innovative products to help us organise our lives.

People have an increasing number of gadgets and gizmos in their homes, such as mobile phones, iPods, remote controls, hand held computer games etc. Many of these products need chargers, memory cards, games etc. Research and design and make an innovative phone holder/gadget tidy that catches the eye. Accuracy will be a vital requirement and manufacturing aids such as drilling jigs or the use of CAM should be regarded as essential.

Learning Objectives:

- You should be able to work through the design process & design & manufacture a gadget holder
- You will understand how analyse a design task to explore all possibilities when designing.
- You will work with a range of tools and equipment safely carrying out appropriate risk assessments.
- You will be able to use 2D / 3D CAD to design your gadget holder and understand how your CAD drawing can be used to present real life visual drawings for potential clients before manufacture.
- You will be able to use Google sketch up proficiently.
- You will learn how to test your designs & evaluate them to take into account weaknesses in your design and offer suitable alternatives

Section Targets to Improve

<input type="checkbox"/>	1. Design Brief				
<input type="checkbox"/>	2. Task Analysis				
<input type="checkbox"/>	3. Theme				
<input type="checkbox"/>	4. CAD Skills				
<input type="checkbox"/>	5. Specification				
<input type="checkbox"/>	6. Design ideas				
<input type="checkbox"/>	7. Development of ideas				
<input type="checkbox"/>	8. Final idea-Working Drawing				
<input type="checkbox"/>	9. Renders				
<input type="checkbox"/>	10. Evaluation				

→ Assessment Section

How to Achieve Better Grades

<u>Grade</u>	<u>Grade Descriptors</u>
A	Candidates will produce a range of relevant research that includes theme inspiration research. Candidates will produce a large range of original, imaginative and innovative ideas in a large variety of styles and drawing techniques. Practical outcomes show a high level of skill and accuracy. Candidates have selected and used appropriate tools, materials, technologies (ie CAD) and have worked correctly, skilfully and worked independently
B	<i>Candidates will produce a range of relevant research that includes research that includes theme inspiration research. Candidates will produce a range of original, imaginative and innovative ideas in a variety of styles and drawing techniques. Practical outcomes show a good level of skill and accuracy. Candidates have selected and used appropriate tools, materials, technologies (ie CAD) and have worked correctly, skilfully & generally worked independently</i>
C	Candidates will produce a range of relevant research that includes research that includes theme inspiration. Candidates will produce a range of ideas using different techniques. CAD drawings show a reasonable level of skill. Candidates have selected and used some appropriate tools, materials, and have worked correctly and skilfully.
D	<i>Candidates will produce a some research that includes research that includes some theme inspiration. Candidates will produce a limited range of ideas. CAD drawings show some level of skill. Candidates have selected and used some appropriate tools, materials, and have worked correctly and safely.</i>

