



The Thomas Hardy School

Summer Preparation Task

3D Product Design A Level

Purpose of task:

Design a prototype mobile device stand. Communicate your design in CAD, card or a material of your choice

Task:

Tablets and mobile devices are often used for reading instructions when completing a given task. Tasks range from completing a recipe to fixing a washing machine. You must design a stand to hold a mobile device securely allowing the user to refer to the device whilst carrying out a job.

Specification

The stand must:

- sit on a desk, be free standing and compact,
- hold the mobile device securely at an angle of 10 degrees from vertical,
- allow access to the buttons,
- must not block the user's view of the screen.

Draw a range of design ideas for your stand (6 or more ideas), use annotation and colour to communicate your designs.

You must show:

- details needed to satisfy the specification,
- clear details of specific materials and method construction,
- processes used to make the stand.

Manufacture or present a final prototype of your design using CAD, card or a material of your choice.

Recommended resources:

The following research methods will help you complete the task.

Observations and visits -Visit a shop where mobile device stands are sold. Look at the stands and learn about their design.

Ethnographic study-Use an existing mobile device stands to identify good/bad points of existing designs.

Product analysis -Look at existing mobile device stands to learn about their design.

Additional information:

Recommended reading & activities list:

AQA Design and Technology Product Design (3D Design)

Deadline for Task: First lesson in week commencing 11th September 2017