



The Thomas Hardy School

## Summer Preparation Task

3D Product Design A Level  
AQA 7552

### 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 could range from completing a recipe to fixing a washing machine. You must design a stand to securely hold a mobile device allowing the user to refer to the device whilst carrying out a task.

### 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.

#### You must show:

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

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

Manufacture or present or 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.

**Deadline for Task:** First lesson in week commencing 10<sup>th</sup> September 2018

### **Required Stationery and Equipment 3D Product Design A Level**

A3 layout pad  
2H/HB pencils  
pencil sharpener  
fine line pen  
marker render pen  
A3 plastic carry folder  
A3 flip folder

### **Essential Resources**

Essential resources: (recommended but not essential) AQA AS and A-level Design and Technology: Product Design

### **Things to Consider Throughout the Year**

Students will be involved in a range of different activities throughout the year. They will need to organise their notes and keep them safe to revisit and revise. As part of the course students will complete extensive design projects. Students will have to meet a number of deadlines to achieve this. Students will have to identify a need, research the market and design and develop a solution. Students will finally manufacture and evaluate their chosen product. In most cases students are expected to pay for the materials they use which can be expensive depending on type and sizes required.

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