

Year 12 Product Design – Summer Work

Your main practical project in Year 12 will be a lighting product e.g a lamp.

Project Context:

Modern buildings rely on a range of lighting solutions in order for them to be functional as homes, work places and leisure spaces. You need to identify a client/customer that requires a lighting solution for a specific area/purpose and design and manufacture a working prototype.

You lighting solution must be:

- Free standing
- In keeping with the environment it will be used in
- Energy efficient
- Safe
- Be manufactured from a minimum of 3 different materials
- Make use of 5 different manufacturing processes (in the school)



Tasks you must complete before your first lesson in September:

1. Identify a client/customer and interview them. The aim is to find out why they need a lighting solution and any specific requirements they may have (take photos of where it will be used if possible).
2. A mood board. Made up of images of products/rooms/designs that could inspire you during this project.
3. Detailed product analysis of three existing lighting products.

Each task should be complete on an A3 page either handwritten or printed off.

If you have any questions about your assignment during the summer holidays you should:

- a. Speak to each other
- b. Email questions to m.walsh@theredhillacademy.org.uk (emails will not be responded to if they are sent the night before the deadline!)

Things you will need for Product Design in year 12:

Essential:

- A4 lever arch file for class notes
- File dividers – at least 20
- A4 Lined paper
- Pens & Pencils
- Scientific calculator

Desirable:

- Hodder Revision Guide ISBN 978-1-5104-3229-1 (Amazon new = £18 / used £9)
- A3 Folder