

Reading List (All available in the school library if you fancy expanding your knowledge)

- **‘Sketching—the basics’**
Koos Eissen & Roselien SteurB/S
- **‘Making it’** - Manufacturing techniques for product design
Chris Lefteri Lawrence King publications
- **‘Body space’ - Anthropometry, Ergonomics and the design of work.**
Stephen Pheasant & Christine M. Haslegrave
Taylor Francis group
- **‘Materials for inspirational Design’**
Chris Lefteri RotoVision publication

Visits

- **Design Museum** Shad Thames, London SE1 2YD
020 7403 6933 info@designmuseum.org



A Level Product Design

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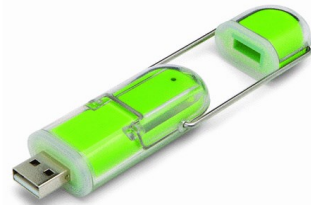
PRODUCT DESIGN

SUMMER TASK 2018



Essential items

- 2Gb Memory stick



All of the coursework you will produce will be via power point. This will include substantial text as well as scanned images, digital camera images, video files and CAD.

To accommodate this 2Gb is essential - it is also your means of transporting and work on projects between MV16 and home.

- Large Folder and Dividers

This is required to contain your course notes and feedback information

- OCR Product Design - Text book

To complement all your learning throughout the course we strongly recommend that you invest in the OCR Product design text book.



OCR Design and Technology for AS/A Level

Chris Walker, John Grundy, Sharon McCarthy, Jacki Piroddi

- Laptop

Although not essential it would be very useful. To run our CAD software check the link below to ensure compatible.

<http://www.solidworks.co.uk/sw/support/SystemRequirements.html>

Summer Task



- Choose a **product that interests** you. This should be an everyday item that you have at home. It should be something you have easy access to for photography and research reasons.
- Take **digital camera images** of the product and **upload** onto a word or power point document.
- Using the following criteria as subheadings describe the product **in detail**.

- ⇒ *Function—what is it designed to do? How does it work? What environment / context does it work within? USP? How ergonomic is it?*
- ⇒ *Target market—who is it designed for? What age group? How inclusive is it?*
- ⇒ *Materials—what is it manufactured from? Why these materials?*
- ⇒ *Social and moral? Does it work? Is it sustainable?*
- ⇒ *Process—how has it been made? Does this have an impact on its aesthetics?*
- ⇒ *Approximate cost—how much is it? Is it value for money?*
- ⇒ *Strengths—what is good about it?*
- ⇒ *Weaknesses—What does not work so well?*

- *Mind map how you could improve the product in some way. All the above subheadings could play a part in this thought process. This should be done by hand in real-time and then scanned onto your document or attached as a separate sheet.*
- *Produce an ideation sheet of possible improvements. (A4 sheet with as many rough sketches you can think of.)*
- *Share your ideas with friends or family and record their responses to your suggestions on your document*
- *Evaluate your thoughts and the feedback of others and use this to redesign one of your original ideas. This should be as follows:*

- ⇒ *A main sketch in 3D*
- ⇒ *Secondary sketches to explain the improvement in detail*
- ⇒ *Annotations to help explain your ideas.*

These could be scanned and inserted onto your document or presented separately.