

## A-Level: Product Design

### Summer 2020 Reading list:

#### Course specification:

##### **AQA Design and Technology: Product Design (7552)**

<http://www.aqa.org.uk/subjects/design-and-technology/as-and-a-level/design-and-technology-product-design-7552>

#### Subject Textbooks:

*(These books have been written to aid the learning for this course. The first book is the one I would recommend you purchasing)*

##### **Design & Technology Product Design (published late October 2017)**

Hodder: Will Potts, Julia Morrison, Ian Granger, Dave Sumpner

A sample is available here: <http://filestore.aqa.org.uk/textbooks/sample/as-and-a-level/design-and-technology/AQA-7551-7552-HODDER-SAMPLE.PDF>

##### **AQA Design and Technology: Product Design (3-D, Design).**

Nelson Thornes: Brian Evans & Will Potts.

ISBN 978-0-7487-8257-4

#### Further Reading:

*(You are not expected to buy these to read, but may be able to access them from a library)*

##### **Design Museum: Contemporary Design**

Catherine McDermott

Process: 50 Product Designs from Concept to Manufacture Paperback – 25

**Jennifer Hudson**

##### **The Eco-Design Handbook**

Alastair Faud –Luke

##### **Designs of the Times**

Lakshmi Bhaskaran

##### **Arts & Crafts Companion**

Pamela Todd

##### **Bauhaus**

Benedict Taschen

##### **Memphis**

Bigitte Fitoussi

##### **The Measure of Man and Women: Human Factors in Design**

Alvin R. Tilley & Henry Dreyfuss Associates

## A-Level Product Design

### Preparation Tasks

#### **Designers:**

*Students should be aware of, and be able to discuss, the work of influential designers and how their work represents the principles of different design movements.*

Please complete a study on two of the following designers:-

- Phillipe Starck
- James Dyson
- Margaret Calvert
- Dieter Rams
- Charles and Ray Eames
- Marianne Brandt.

This should include their formal training, their participation in any design movements, their style, the media they work with and any pieces of their work that demonstrate their style.

#### **Design Styles and Movements:**

*Students should be aware of, and be able to discuss, key design styles and movements and their principles of design.*

Please complete a study on one of the following design movements:-

- arts and craft movement
- Art Deco
- Modernism, eg Bauhaus
- Post modernism, eg Memphis.

You will need to focus on the origin of the design style/movement, the main contributors and the key features of design within that style. It would also be good to consider the socio economic influences of those movements, such as trends and fashion, or major influences such as the war.

#### **Major developments in technology**

*Students should be aware of, and be able to discuss, how major developments in technology are shaping product design and manufacture.*

Research and investigate how the following have developed over time and how new technology might influence product design in the future;-

- Micro electronics
- New materials
- New methods of manufacture
- Advancements in CAD/CAM