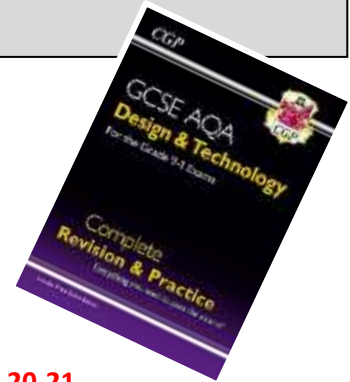


Year 10 Mock Revision List
Design & Technology (Product Design)

To support your revisions you should use your *CGP GCSE AQA Design and Technology Revision Guide* or use www.technologystudent.com .



1. Materials and Component Requirements

Use your **CGP textbook** to revise a range of materials, including their properties and applications (uses).

Ensure you cover the 3 main material groups;

- ✓ Woods (Hardwoods, Softwoods and Manufactured Boards) **Pages: 20-21**
- ✓ Metals (Ferrous, Non-Ferrous and Alloys) **Pages: 22**
- ✓ Plastics (Thermoplastics and Thermosetting Plastics) **Ref: 23**
- ✓ Smart Materials **Ref: 39**

2. Forces and Stresses

Use your **CGP textbook** to revise forces and stresses. You should focus on the following;

- ✓ How forces can act on objects in different ways. **Ref: 45 -46**
- ✓ How materials can be reinforced, stiffened or made more flexible to withstand or cope with different forces/ stresses. **Ref: 45 -46**

3. Ergonomics and Anthropometrics

Use your **CGP textbook** to revise ergonomics and anthropometrics. Ensure you are aware of;

- ✓ How these factors effect design decisions **Ref: 125**
- ✓ How these factors effect consumer safety **Ref: 125**

4. Health & Safety Precautions

Use your experiences in the workshop to be able to identify a number of health & safety hazards that can be identified in the workshop and the necessary precautions that have to be put into place to keep students safe.

5. Treatments & Finishes

Use your **CGP textbook** to revise a number of treatment/ finishing techniques that can be applied to woods, metals or plastics. **Ref: 91 - 92**