

'A' Level Product Design

Topic 1

Polymers - Thermoplastics

Develop an understanding of the following type of polymers. You should aim to include the following

1. Information about the key features, eg abrasion resistance, toughness, heat resistance, aesthetics, costs and ethical consideration etc
2. Everyday usage, real world products
3. Environmental impact, recycling, pollution, incineration etc
4. limitations, what can it not be used for
5. How it can be enhanced to improve its performance and usefulness
6. How it can be made stronger (Structurally)

Polymers to be covered

1. HDPE
2. ABS
3. PVC
4. Polypropylene
5. PET
6. One further of your choice

The content MUST be in your OWN words. NO cut and paste of text please.

This work should take up no more room than **2 A4 sheets** of paper and be created as a PowerPoint. **It does not need to be word processed.**

You will use it to **revise** from in year 12 and it is therefore in your best interests to investigate thoroughly and put in **key facts only**.

MAKE THE PAGES VIBRANT AND EYE CATCHING

Deadline

First week back in Sept

Deadline met

Yes

No