

**‘A’ Level Product Design**

|  |  |  |
| --- | --- | --- |
| **Topic 2** | | |
| **Thermosetting polymers** | | |
| 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. Can they be enhanced to improve its performance and usefulness 6. How it can be made stronger (Structurally) | | |
| **Polymers to be covered**   1. Urea formaldehyde 2. Epoxy resins 3. Polyester resin | | |
| This work should take up no more room than an **A4 sheet** 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 13 and it is therefore in your best interests to investigate thoroughly and put in **key facts only**. | | |
| Interim Check |  | |
| Final Deadline |  | |
| Deadline met | Yes | No |