

**‘A’ Level Product Design**

|  |  |  |
| --- | --- | --- |
| **Topic 5** | | |
| **Modern materials** | | |
| Develop an understanding of the following type of materials. You should aim to include the following   1. Information about the key features, eg abrasion resistance, toughness, heat resistance, aesthetics, costs and availability,ethical consideration special properties etc 2. What is a modern material 3. Everyday usage - Function, real world products 4. limitations, what can it not be used for 5. Can they be enhanced to improve their performance and usefulness | | |
| **Materials to consider be covered**   1. Sandwich panels 2. E-textiles 3. Super alloys 4. Graphene 5. Nano materials 6. Bio plastics | | |
| 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 |