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| --- | --- | --- | --- |
| Theory - knowledge needed about New Materials  **Product Design AQA GCSE New Materials theory** | **Red**  No | **Amber**  Maybe | **Green**  Yes |
| I have a knowledge and understanding that the development of new and smart materials are allowing designers to meet a variety of user needs in new and exciting ways e.g. |  |  |  |
| Precious Metal Clays (PMC) used in jewellery manufacture, |  |  |  |
| corn starch polymers used in packaging, |  |  |  |
| Thermochromic pigments used for thermal warning patches |  |  |  |
| shape memory alloys |  |  |  |
| Quantum Tunnelling Composite (QTC) used to incorporate electronics into textiles, |  |  |  |
| I have an awareness of the importance of the development of nano materials and integrated electronics in the area of Design and Technology. |  |  |  |

Target setting:

Students name: ……………………………………………………………………..