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| --- | --- | --- | --- |
| Theory - knowledge needed about manipulating & combining materials  **Product Design AQA GCSE Manipulating & combining materials theory** | **Red**  No | **Amber**  Maybe | **Green**  Yes |
| I understand how materials can be combined and processed in order to create more useful, or desirable, properties; |  |  |  |
| I understand how these properties are utilised in industrial contexts; |  |  |  |
| I understand how a range of materials are prepared for manufacture, allowing for waste and fine finishing; |  |  |  |
| I understand about a variety of self-finishing and applied-finishing processes, and appreciate their importance for aesthetic and functional reasons; |  |  |  |
| I understand that to achieve the optimum use of materials and components, account needs to be taken of the complex inter-relationships between materials, form and manufacturing processes; |  |  |  |
| I understand how pre-manufactured standard components are used to improve the effectiveness of the manufacturing process and be able to identify a small range appropriate to the material areas studied. |  |  |  |

Target setting:

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