|  |  |  |  |
| --- | --- | --- | --- |
| Theory - knowledge needed about Human Factors  **Product Design AQA GCSE Human Factors theory** | **Red**  No | **Amber**  Maybe | **Green**  Yes |
| I understand that for products to be effective, designers, manufacturers and craftsmen need to take account of a wide range of human factors in an attempt to produce inclusive rather than exclusive designs i.e. access, cultural values; |  |  |  |
| I understand that anthropometrics and ergonomic considerations affect many design decisions; |  |  |  |
| I understand that design decisions for large scale manufacturing often aim to cover the needs of the 5th–95th percentile; |  |  |  |
| I understand the effect of colour used in product design to reinforce messages such as “danger” or to help to produce moods such as “warmth”; |  |  |  |
| I understand that social, economic and ethnic groups of people often have specific values and needs which can be an aid to focused designing, i.e. disabled, elderly, religious groups; |  |  |  |
| I understand that efficient manufacturing systems result from the layout of materials, equipment and controls, such as working on production lines or assembly lines. |  |  |  |

Target setting:

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