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| --- | --- | --- | --- |
| Theory - knowledge needed about manufacturing systems  **Product Design AQA GCSE Manufacturing systems theory** | **Red**  No | **Amber**  Maybe | **Green**  Yes |
| I understand that commercial manufacturing is a system, or group of sub-systems which requires: |  |  |  |
| special buildings or places of work; |  |  |  |
| the organisation of people; |  |  |  |
| the organisation of tools and equipment; |  |  |  |
| risk assessment and compliance with health and safety regulations; |  |  |  |
| the organisation of materials; |  |  |  |
| information systems to help people communicate with each other reliably; |  |  |  |
| ways of changing the shape and form of materials to increase their usefulness; |  |  |  |
| ways of using tools and equipment to transform the materials into products; |  |  |  |
| the design and production of many products in a systematic way; |  |  |  |
| quality assurance procedures and quality checks to be made; |  |  |  |
| efficient working methods; |  |  |  |
| ways of safely taking care of the unwanted; |  |  |  |
| Outputs of manufacturing i.e. disposing or recycling of waste materials, and ways of looking after the environment. |  |  |  |

Target setting:

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