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| --- | --- | --- | --- |
| Theory - knowledge needed about plastics  **Product Design AQA GCSE Plastics theory** | **Red**  No | **Amber**  Maybe | **Green**  Yes |
| I am able to identify common thermoplastics i.e.  high impact polystyrene, expanded polystyrene,  acrylic, acetate, HDPE, PVC, PET; |  |  |  |
| I am able to identify common thermosetting plastics  i.e. GRP, Epoxy resin, UF, MF; |  |  |  |
| I understand the difference between thermoplastics  and thermosetting plastics; |  |  |  |
| I understand the ways in which plastics can be  formed, especially with regard to consumer  products, i.e. vacuum forming, injection  moulding, blow moulding, line bending,  compression moulding, extrusion; |  |  |  |
| I understand that most plastics are synthetic  and that the composition can be adjusted  to create different properties for specific  purposes e.g. increase rigidity, reduce weight,  insulation; |  |  |  |
| I understand the stock forms for plastic materials  i.e. sheet, rod, powder, granules, foam; |  |  |  |
| I have a basic understanding of the source of  plastics and the primary processes involved in  Conversion to workable materials. |  |  |  |
|  |  |  |  |

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

Target setting: