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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 plasticsi.e. GRP, Epoxy resin, UF, MF; |  |  |  |
| I understand the difference between thermoplasticsand thermosetting plastics; |  |  |  |
| I understand the ways in which plastics can beformed, especially with regard to consumerproducts, i.e. vacuum forming, injectionmoulding, blow moulding, line bending,compression moulding, extrusion; |  |  |  |
| I understand that most plastics are syntheticand that the composition can be adjustedto create different properties for specificpurposes e.g. increase rigidity, reduce weight,insulation; |  |  |  |
| I understand the stock forms for plastic materialsi.e. sheet, rod, powder, granules, foam; |  |  |  |
| I have a basic understanding of the source ofplastics and the primary processes involved inConversion to workable materials. |  |  |  |
|  |  |  |  |

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

Target setting: