****

**Knowledge Rich Curriculum Plan**

GCSE Design Core

Specialist Technical Principles - 2.7 Scales of production

 

| **GCSE Design Core** | **Specialist Technical Principles 2.7 Scales of production** |  |  |  |
| --- | --- | --- | --- | --- |
| **Lesson/Learning Sequence**  | **Intended Knowledge:***Students will know that…* | **Tiered Vocabulary**  | **Prior Knowledge:***In order to know this students, need to already know that…* | **Assessment**  |
| **Lesson:** **Scales of production** | * Students will know the term scales of production
* Students will know the scales of production refers to how many products are manufactured at once
* Students will know that one off production produces one product at a time
* Students will know batch production produces a small number of products at once using jigs and templates
* Students will know mass production produces 100-1000 products at once
* Students will know continuous production process 1000-100000 products at once
 | Production: the action of making or manufacturing from components or raw materials, or the process of being so manufactured.Manufacture: make (something) on a large scale using machinery.One off: done, made, or happening only once.Batch: a quantity or consignment of goods produced at one time.Mass: a large number of people or objects crowded together.Continuous: forming an unbroken whole; without interruption. | * ***Students need to already know the basics of product manufacture***
* ***Students need to already know how a jig can aid production***
* ***Students need to already know what products would be produced in high numbers***
 | Do the different scales of production affect a designer’s choice?Can sustainability play an impact to the scales of production?Compare the scales, which is more suitable for a chosen product? |