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**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** |  |  |  |
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| **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? |