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**Knowledge Rich Curriculum Plan**

GCSE Design Core

Specialist Technical Principles - 2.8 Specialist techniques and processes



| **GCSE Design Core** | **Specialist Technical Principles  2.8 Specialist techniques and processes** |  |  |  |
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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:**  **Specialist techniques and processes** | * Students will know the term specialist technical principles * Students will know that specialist technical principles refer to the specialist tools used in woodworking * Students will know that commercial processes are the tools and equipment used in industry * Students will know that routing is used to shape timber by a hand-held power tool * Students will know that forming is used to help shape and twist timber from its usual shape * Students will know that wood turning is used to produce circular forms | Specialist: possessing or involving detailed knowledge or study of a restricted topic.  Technical: relating to a particular subject, art, or craft, or its techniques.  Commercial: making or intended to make a profit.  Process: a series of actions or steps taken in order to achieve a particular end. | * ***Students need to already know the term specialist*** * ***Students need to already know the term forming*** * ***Students need to already know the term equipment*** | Which of these specialist technical processes would be used for the manufacture of a chosen product?  Compare workshop processes with the industrial processes used |