****

**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** |  |  |  |
| --- | --- | --- | --- | --- |
| **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 |