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**Knowledge Rich Curriculum Plan**

GCSE Design Core

Specialist Technical Principles - 2.4 Sources and origins



| **GCSE Design Core** | **Specialist Technical Principles  2.4 Sources and origins** |  |  |  |
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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:**  **Sources and origins** | * Students will know the primary sources of timber * Students will know where softwood and hardwood trees are located * Students will know how companies including the Forest Stewardship Council help protect the globes trees * Students will know how logs are converted ready to be processed * Students will know that a log can be converted in four ways, Through and through, Baulk, Quarter cut and Tangential cut * Students will know how the term seasoning * Students will know that seasoning is how timber is dried before usage * Students will know that timber is either air dried or kiln dried | Forest Stewardship Council: an international, non-governmental organisation dedicated to promoting responsible management of the world's forests  Seasoning: the process of correctly drying timber in order to remove moisture in the cells of the wood walls | * ***Students need to already know the difference of hardwood and softwood*** * ***Students need to already know how logs and felled*** | Compare the different seasoning systems. What are the major differences?  How do the FSC help the sustainability of timber? |