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**Knowledge Rich Curriculum Plan**

GCSE Design Core

Specialist Technical Principles - 2.5 Using and working with materials

 

| **GCSE Design Core** | **Specialist Technical Principles 2.5 Using and working with materials** |  |  |  |
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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:** **Using and working with materials** | * Students will know the basic tools used for Design and Technology
* Students will know the basic cutting tools are a Tenon saw and a Coping saw
* Students will know the basic tools for cutting are Vices and Bench hooks
* Students will know the basic tools for marking out are a Steel rule and Tri square
 | Tenon saw: a small saw with a strong brass or steel back for precise work.Coping saw: a saw with a very narrow blade stretched across a D-shaped frame, used for cutting curves in wood.Bench hook: a device with a hook like part fitting over the front edge of a workbench as a means of preventing an object from slipping toward the rear of the bench.Steel rule: a rule manufactured from either spring or stainless steel that feature either metric or imperial (or both) scales along its length.Tri square: an implement used to check and mark right angles in constructional work. | * ***Students need to already know the names of the tools used in DT***
* ***Students need to already know the tools used for cutting***
* ***Students need to already know the tools used for marking out***
* ***Students need to already know the tools used for cutting timber***
 | Compare the similarities of the tools used for the same job.How does the use of different tools help with the manufacture of the timber |