

## Design & Technology core knowledge quiz

Name 2 hardwoods.
What is the difference between a hardwood and softwood?
Name 2 softwoods.
Name a suitable softwood for outdoor furniture.
Name 3 types of finish for woodwork.
Give 2 reasons for finishing woodwork.
Name 5 manufactured boards and be able to sketch a cross section.
What is a ferrous metal?
Name 2 ferrous metals.
Name 2 non-ferrous metals.
What is meant by the word durable?
What problem may you encounter with a ferrous metal?
How are ferrous metals finished in order to protect them?
Name 5 methods used to join metals.
What does the word malleable mean?
What is an alloy?
Name a ductile metal.
What are pop rivets used for?
Name 3 finite resources.
Name an adhesive used with plastics/metals/woods.
Name 3 advantages of using CAD/CAM technologies.
Name 2 disadvantages of using CAD/CAM technologies.
What is ergonomic design?
Ergonomics are influenced by what type of data?
Draw 4 types of wood joint?
List 3 advantages of using MDF instead of oak?
Sketch a cross section of plywood.
Name 3 methods used to permanently join metals?

Give 2 examples of a temporary fixing?

List 3 pieces of PPE when using the lathe.

Give 3 advantages of superglue.

What does malleable mean?

What is a smart material?

Thermochromic pigment is a smart material; what does it do? Give an example of a product that uses it.

Photochromic pigment responds to what stimulus? Give an example of a product that uses it.

What is a veneer? Why would we use it?

There are four types of motion: Oscillating/reciprocating/linear/rotary  
Sketch an arrow that depicts the motion of each.

### **Resources/information**

GCSE bitesize- resistant materials

[www.technologystudent.co.uk](http://www.technologystudent.co.uk)