

Name _____

Class _____

Date _____

By the end of this worksheet I can...

- ☐ identify and choose softwoods: pine, cedar, larch
- ☐ identify and choose hardwoods: ash, oak, beech, mahogany, meranti
- ☐ identify manufactured boards from their edges and give their uses
- ☐ justify a material choice by linking a property to the use

I DO**Worked example**

Read how a full-mark answer is built

*A garden chair for children will be left outdoors.***1 Identify an appropriate wood for the chair and a property that makes it suitable.** (2 marks)**Full-mark answer** each ✓ is one mark

Cedar ✓. Its natural oils make it durable outdoors, so it resists rot in the rain ✓.

Why marks are not awarded*"Pine because it is cheap."*

0 marks: pine isn't durable outdoors without treatment, and "cheap" isn't linked to outdoor use.

WE DO**Guided practice**

Use the starters and word bank to help you

*A mallet head needs to be hard and resist splitting.***2 Name a suitable hardwood.** (1 mark)**Sentence starters**

1. ...

Word bank

Tip: 1 marks = 1 separate, developed points.

YOU DO**On your own**

No notes. Check your answers afterwards.

3 Quick check: tick one box for each.**a)** Which board has layers with the grain at 90° to each other?

- ☐
- MDF
- ☐
- Plywood
- ☐
- Chipboard
- ☐
- Hardboard

b) Which is an advantage of manufactured boards?

- ☐
- Attractive grain
- ☐
- Available in large, stable sheets
- ☐
- Always waterproof
- ☐
- Always stronger than solid wood

c) Which board's edges crumble and are best joined with KD fittings?

- ☐
- Plywood
- ☐
- Blockboard
- ☐
- Oak
- ☐
- Chipboard

d) Which is a hardwood?

☐ Beech ☐ Pine ☐ Larch ☐ Cedar

4 Key terms: write the letter of the matching description next to each term.

1. Softwood	_____	A Tough and flexible: tool handles
2. Hardwood	_____	B From broad-leaved trees: grows slowly, usually harder and dearer
3. Cedar property	_____	C Hard and close grained: turns well, mallets
4. Ash property	_____	D Natural oils make it durable outdoors
5. Beech property	_____	E From conifers: grows fast, cheaper, more sustainable
6. Plywood	_____	F Veneers with grain at 90°: strong in all directions

A pupil is shown the edges of three manufactured boards.

5 Describe how you would identify plywood from its edge. (1 mark)

A drawer base is made from a manufactured board.

6 Name a suitable board and give a reason for your choice. (2 marks)

A table top could be made from oak or pine. Their data is given in a table.

7 Explain which wood is better for a hard-wearing table top. (2 marks)

Check and reflect

Mark your answers with the answer sheet. Go back to the checklist on the site and re-rate each “I can” statement above. Which one still needs work?
