

Name \_\_\_\_\_

Class \_\_\_\_\_

Date \_\_\_\_\_

**By the end of this worksheet I can...**

- ☐ choose nails, screws, brackets, corner blocks and knock-down fittings
- ☐ give valid advantages and disadvantages of knock-down fittings
- ☐ choose interior and exterior adhesives

**I DO****Worked example** Read how a full-mark answer is built*A flat-pack desk is made from chipboard and joined with knock-down fittings.***1 Describe a valid advantage of knock-down fittings.** (1 mark)**Full-mark answer** each ✓ is one mark

The desk can be taken apart and flat-packed to be moved or stored ✓.

**Why marks are not awarded***"They make the desk stronger."*

0 marks: KD fittings are not stronger than glued joints.

**WE DO****Guided practice** Use the starters and word bank to help you*Screws are used to fix a top to a cabinet.***2 Describe why a pilot hole is drilled before inserting a screw.** (1 mark)**Sentence starters**

One ... is ..., which means ...

Another ... is ..., so ...

**Word bank**

splitting · guides

Tip: 1 marks = 1 separate, developed points.

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**YOU DO****On your own** No notes. Check your answers afterwards.**3 Quick check: tick one box for each.**

- a) Which is a real advantage of knock-down fittings?  
☐ Stronger than glued joints   ☐ No tools needed ever   ☐ Never work loose   ☐ Can be taken apart and moved
- b) Which screw head sits flush with the surface?  
☐ Round head   ☐ Countersunk   ☐ Pan head   ☐ Dome head
- c) Why drill a pilot hole before screwing?  
☐ To stop the wood splitting   ☐ To make it look neat   ☐ To use a shorter screw   ☐ To hide the screw

d) Which glue suits a garden bench?

☐ Interior PVA wood glue   ☐ A glue stick   ☐ Exterior (waterproof) glue   ☐ Hot-melt glue

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

|                                       |       |                                                               |
|---------------------------------------|-------|---------------------------------------------------------------|
| 1. <b>PVA</b>                         | _____ | <b>A</b> Bought fitting that lets furniture be taken apart    |
| 2. <b>Glue for an outdoor product</b> | _____ | <b>B</b> Exterior (waterproof) wood glue, e.g. waterproof PVA |
| 3. <b>Pilot hole</b>                  | _____ | <b>C</b> The head sits flush with the surface                 |
| 4. <b>Countersunk screw</b>           | _____ | <b>D</b> White glue for interior woodwork                     |
| 5. <b>Knock-down fitting</b>          | _____ | <b>E</b> A small hole so a screw doesn't split the wood       |
| 6. <b>KD advantage</b>                | _____ | <b>F</b> Can be taken apart and moved; quick to assemble      |

*A bird box will be fixed outside on a tree.*

**5 State a suitable adhesive and give a reason.** (2 marks)

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*The joints of a small frame are reinforced.*

**6 Name two mechanical fixings that could reinforce a butt joint.** (2 marks)

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## 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?

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