

# PEDESTAL DRILL

In order to pass this competency test you need to obtain at least 80% on Part A which is a True/False written test. You also need to pass Part B. In this section you need to demonstrate your practical competency in using a pedestal drill and your ability to answer a set of questions related to its safe use.

## Part A True False Section

**Instructions:** Indicate whether the following statements are either True or False

1. Always wear eye protection when using a pedestal drill
2. When changing a drill bit it is unnecessary to unplug the pedestal drill from the power point.
3. It is wise practice to measure the correct depth of any intended hole before attempting to bore it.
4. You need to use a scrap of wood under the work piece to prevent the machine's table from being damaged.
5. It is necessary to read and learn about the machine's operating instructions prior to using it.
6. There is no need to change the speed of the spindle in accordance with the hole and material to be bored.
7. It is safe to attempt to bore a hole without letting the pedestal drill reach maximum speed.

8. You can use the machine's depth stopper but you do not need to adjust the table to the correct height.
9. You need to allow the drill to stop before removing it from the material after having made a hole.
10. It is acceptable practice to remove the chuck key before starting the machine.
11. A drill bit can cut effectively when it is blunt.
12. Marking the position of an intended hole can improve the accuracy of the final work.
13. I can hold down a piece of wood with one hand and drill it safely
14. When using a pedestal drill after another user it is unnecessary to check whether the chuck is fastened securely.
15. It is fine to force a drill to increase the bits cutting action
16. You need to clamp down a piece of material prior to using a pedestal drill.

Mark \_\_\_\_\_ \_\_\_\_\_ percentage

## **Part B Practical Competency Test**

Students need to safely use a Pedestal drill to bore four holes in a line to a depth of 5mm in a piece of radiata pine (140mm W x 12mm T x 400mm L).

**Prior to using the tool students are asked to orally answer the following questions:**

(Teacher comments on the appropriateness of a student's response in the space allocated for each question)

1. Explain the steps involved in operating this machine

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2. What is the main purpose of this machine?

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3. What safety risks does this machine pose to the operator?

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4. In what ways can you reduce the risk of accidents and personal injury when using this piece of equipment?

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5. Teacher comments re use of tool

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Result:

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Is Competent \_\_\_\_\_

Not Yet Competent \_\_\_\_\_

Signed

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Teacher

Student

Date