

Portable Router Notes

Requirements:

1. You should never carry any portable tool by its power cord.
2. Always check your wood for any defect that could cause the stock to tear out and then throw that wood, potentially causing injury.
3. Always use a fence to guide your wood and cut with the grain.
4. Only when your work area is prepared should you plug it in and begin cuffing.
5. Always use a face shield to protect your face.
6. Always check to make sure that you are using the correct bit. Check the chart.

Portable Router Written Test

1. You (**Should** **Should not**) carry any portable tool by its power cord.
2. You should router to the (**Left** **Right**) and remember to use the _____ as a guide.
3. You (**Do need** **Do not need**) to use a face shield when cutting on the router.
4. It (**Is** **Is not**) safe to touch the router bit after you have used it because it will be (**Cold** **Hot**)
5. As with any machine, if it is not working properly, you should:

List five safety procedures you should do before you operate this or any machine:

6. _____
7. _____
8. _____
9. _____
10. _____

Portable Router Hands-On Test

Name: _____ Date: _____

Subject: _____ Per: _____

1. What does it do?

2. Why is it useful?

3. Can the student identify this machine (point to it)? (Yes No)
4. Identify the following parts:

<input type="checkbox"/> On/Off switch	<input type="checkbox"/> Cord strain reliever	<input type="checkbox"/> Sub-base
<input type="checkbox"/> Locking handle	<input type="checkbox"/> Housing	<input type="checkbox"/> Collet type chuck
<input type="checkbox"/> Guide knob	<input type="checkbox"/> Depth adjustment	<input type="checkbox"/> Motor safety disconnect
5. Safety procedures followed before using the machine:

<input type="checkbox"/> Shirt tucked in	<input type="checkbox"/> Z87 safety glasses
<input type="checkbox"/> Hair secured	<input type="checkbox"/> Checks kick-back zone
<input type="checkbox"/> Remove jewelry	<input type="checkbox"/> Gets help from/helps partner as needed
6. Procedures for operating machine (teacher designate):

<input type="checkbox"/> Router Adjustment—makes sure that it's tightened down and makes a test cut on scrap wood.
<input type="checkbox"/> Fence Adjustment—checks the height and secures it.
<input type="checkbox"/> Left Hand—holds the wood flat and guides it through, but stays away from the bit.
<input type="checkbox"/> Right Hand—same.
<input type="checkbox"/> Feet—facing the machines and side steps.
<input type="checkbox"/> Eyes—watches to see where the bit is going and makes sure that the hand is nowhere near the bit.
<input type="checkbox"/> Routers to the left when at all possible.
7. Makes two safe and successful operations:

1) <input type="checkbox"/> Yes <input type="checkbox"/> No
2) <input type="checkbox"/> Yes <input type="checkbox"/> No
8. Makes sure that the machine has been shut down properly, that the area is clean, and puts tools away. Yes No