

Name: _____

Date: _____

Unit 1: Safety

Woodworking

Mr. DellaPietro

ROUTER SAFETY

1. Use the router only with your instructor's permission.
2. Use the router only after it's correct, safe use has been demonstrated for you and you understand what you were shown. If you have any doubts, ask questions.
3. Wear eye protection. The router throws a lot of chips and sawdust. Wear goggles or a face shield.
4. The router is one of the loudest tools in the shop. Protect your hearing. Wear ear muffs.
5. Keep the router disconnected until you are ready to use it. Keep the router unplugged when you install a bit, and unplug it again if you need to change bits.
6. Always check the power switch before you plug in the router. Check the switch to make sure it is in the "off" position.
7. Check the bit to make sure it is sharp and in good condition. A dull or damaged bit can be very dangerous to use.
8. Make sure the collet is in good condition. A worn, dirty or damaged collet can cause a vibration that will damage the bit and the router.
9. When you install a bit, insert at least $\frac{1}{2}$ inch of the shank into the collet; more if possible.
10. When you handle the bits, try to keep your fingers away from the cutting edges.
11. Tighten the chuck so the bit is held securely, but don't force it. Don't tighten it so firmly that the router is damaged.
12. Be sure the bit clears the router base.
13. After the router has been adjusted for the depth of the cut, secure the locking lever or locking knob. Always double check the locking lever before you use the router.
14. Don't try to remove a lot of material in one cut. If necessary, make several passes. Begin with a shallow cut, then reset the depth for a deeper cut. This method is safer and it does a better job.



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15. The area of the stock that is going to be routed has to be in good condition. It has to be clean, with no knots, splits or check and free of paint or hardware.
16. The stock has to be smooth, and it must be thick enough for the type of cut you plan to make.
17. Fasten it down! Never try to hold on to the material while you use the router. Always fasten the work down.
18. When you fasten the material, keep clamps, hold-down or other devices out of the path of the router.
19. Plan the cut so you can stay balanced. Don't overreach.
20. When you operate the router, always hold it with both hands. Hold the router firmly with both hands.
21. Before you switch it on, be sure the bit is clear of the material. If the bit isn't completely clear, the router may be kicked out of your hands.
22. When you turn on the router, wait for it to come up to full speed before you move it into the cut.
23. Move the router steadily and evenly through the cut. Don't force it. Forcing or overloading the router will damage the motor, the bit and the material. And, it is dangerous.
24. The direction of feed should always be against the rotation of the bit. Think of the bit as a rotating chisel and move the router in the same direction you would move a chisel.
25. Don't turn off the router until the bit is clear of the stock. Move the bit away from the material before you turn off the router.
26. Wait for it to come to a complete stop before you set the router down.
27. Never set the router down on an exposed bit. Lay it on its side.