

NAME: \_\_\_\_\_

CLASS OR PERIOD: \_\_\_\_\_

DATE OF INSTRUCTION: \_\_\_\_\_

- |  |   |
|--|---|
| <p>1. The shaper should be used only under the direct supervision of your instructor. <input type="checkbox"/></p>   | <p>11. The wood has to be in good condition. It has to be squared, surfaced, with no knots, splits, checks or other defects. <input type="checkbox"/></p>   |
| <p>2. Use whatever guards, clamping devices and hold-downs you can. Use the safest set-up possible. <input type="checkbox"/></p>   | <p>12. The piece has to be large enough to be run through the shaper safely. It has to be thick enough and wide enough for the type of cutter you're using, and it has to be <i>at least 12 inches long</i>. <input type="checkbox"/></p> |
| <p>3. It is safer to mill the bottom edge of the board whenever possible. That way the knives are covered by the material. <input type="checkbox"/></p>  | <p>13. Cut <i>with</i> the direction of the grain. Cutting across end grain requires a special set-up. Check with your instructor before you make any end grain cuts. <input type="checkbox"/></p>  |
| <p>4. Unplug the shaper or switch it off at the circuit breaker whenever you make any changes or major adjustments. <input type="checkbox"/></p>   | <p>14. <i>Never back out of a cut</i>. If you try to back out while the shaper is running, the stock may kick-back violently. <input type="checkbox"/></p>  |
| <p>5. When you set the fence, lock it in position so it won't shift when pressure is applied against it. <input type="checkbox"/></p>  | <p>15. Pay attention. Don't talk to anyone and don't let anyone talk to you. Keep all your attention on the cut. <input type="checkbox"/></p>   |
| <p>6. Be sure the cutter is fastened securely on the spindle. Always use an approved lock washer between the spindle nut and the cutter. <input type="checkbox"/></p>  | <p>16. Keep your hands out of the path of the cut. Keep your hands and fingers away from the cutter. <input type="checkbox"/></p>   |
| <p>7. When the spindle is adjusted for the right height, lock it in place with the hand wheel lock. <input type="checkbox"/></p>   | <p>17. Hold the stock firmly against the fence and down on the surface of the table. If the wood isn't held down firmly at all times, it will be kicked back <i>hard</i> by the cutter. <input type="checkbox"/></p>                      |
| <p>8. Check the spindle and cutter to see that they're clear of the guards and fences. Turn the spindle by hand <i>before</i> you reconnect the shaper. <input type="checkbox"/></p>   | <p>18. Sometimes the shaper is used with a depth collar and a guide pin instead of the fence. The ring guard must be used with this type of set-up. <input type="checkbox"/></p>  |
| <p>9. Clear the shaper table <i>before</i> you reconnect the power. Remove all tools and materials from the table. <input type="checkbox"/></p>  | <p>19. Never start a cut at a corner when the depth collar is used. When the turning cutter hits the corner it can cause a very serious kick-back. Use a pattern with the stock if you need to. <input type="checkbox"/></p>              |
| <p>10. When the shaper is reconnected, turn it on, then turn it off again. Watch which direction it turns. <i>The direction of feed must always be against the rotation of the cutter</i>. Be sure you understand this clearly. <input type="checkbox"/></p> |   |

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SHAPER SAFETY  
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- 20. Don't leave the machine until it has come to a complete stop.
- 21. The two most serious dangers of the shaper are kick-backs and running your fingers and hands into the moving cutter. Both can be avoided if you know the safety procedures and *use* them.
- 22. Don't do *anything* on the shaper unless you understand it completely and clearly. If you're not sure, *ask*. Don't do anything you're not sure of.