

Scroll Saw Notes

Requirements:

Proper eye protection must be worn—operate only with instructor's permission and after proper instructions have been received.

1. Make all adjustments with the power OFF.
2. Make sure that you are lightly holding the wood flat against the table to keep the wood from bouncing around and possibly being thrown out.
3. Check to make sure that the teeth of the blade are pointing down and that the guide assembly is flush with the wood.
4. Use both hands to guide the wood through the cut. However, hands should remain to the side of the blade, never in direct line with the blade.
5. The scroll saw can hurt you as badly as the band saw. The smaller blade will not save your hand or fingers.
6. Never use your hand to clear the table. Always use a table broom or the chip blower.
7. Scroll saw blades break very easily, so take your time to make the right cuts. Remember, never force the wood and use the correct speed.
8. "Hard" woods and tight curves should be cut using the slower speed.
9. If the blade breaks, turn the machine off, unplug it, and tell the teacher immediately. Never try to fix it yourself.
10. You have to wait patiently and quietly for your turn on this machine, behind the yellow line, just like with any machine.
11. If for any reason you are not sure of the way to cut out an object, get your teacher's assistance. You may have to wait a little while, but you will be helped as soon as possible. Remember, have patience!
12. The machine must be turned off and at a complete standstill before you can leave it.

Scroll Saw Written Test

Use the correct heading and write the answer on your own paper. Using the BEST answer to complete the following:

1. The scroll saw can be SAFELY used to cut (Slight Tight) curves.
2. Make any adjustments with the power (On Off).
3. Use (both One) hand(s) to guide the wood through the blade.
4. "Hard" woods and tight curves should be cut with a (Faster Slower) speed.
5. You should wait (Patiently Impatiently) for your turn to use the machine.
6. Picking the correct speed for cutting a design (Is Is not) necessary.
7. You (Should Should not) force wood into the blade.
8. If you are unsure of how to cut a design you (Try it anyway Get assistance).
- 9/10. The machine should be turned (On Off) and (Still going Standing still) before you leave it.
11. Blades do occasionally break on this machine, if it does break you should:

List five SAFETY procedures you should do before you operate this machine:

12. _____
13. _____
14. _____
15. _____
16. _____

Scroll Saw Written Test Key

1. Tight
 2. Off
 3. Both
 4. Slower
 5. Patiently
 6. Is
 7. Should not
 8. Get assistance
 - 9/10. Off/Standing still
 11. Turn equipment off, unplug it, and tell your teacher immediately
- List five safety procedures you should do before you operate this or any machine:
1. Tuck in your shirt.
 2. Secure your hair.
 3. Remove jewelry.
 4. Wear Z87 safety glasses.
 5. Work with a partner.
 6. Listen for and report any problems immediately.
 7. Make sure that all guards are in place and working.
 8. No horseplay.
 9. Keep work area clean.
 10. Protect hands.

Scroll Saw 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	<input type="checkbox"/> Hold down	<input type="checkbox"/> Table insert
<input type="checkbox"/> Table	<input type="checkbox"/> Guide post	<input type="checkbox"/> Upper chuck
<input type="checkbox"/> Blade	<input type="checkbox"/> Guide assembly	<input type="checkbox"/> Base
<input type="checkbox"/> Over arm	<input type="checkbox"/> Belt and guard pulley	
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):
 - Wood against—uses both hands to hold the wood flat on the table to keep it from bouncing around.
 - Hands—fingers stay to the side of the blade, not in front of it.
 - Scrap wood—use to remove scrap wood.
 - Lowers guard—lowers the guide assembly by hand; does not let it just drop.
 - Feet—facing machine.
 - Eyes—watches to see where the blade is going and makes sure that the hand is nowhere near the blade.
7. Makes two safe and successful operations:
 - a) Yes No
 - b) Yes No
8. Makes sure that the machine has been shut down properly, that the area is clean, and puts tools away.
 Yes No

Scroll Saw Parts

