

**8<sup>th</sup> GRADE GENERAL SAFETY TEST**

**\*\*DO NOT MARK ON TEST\*\***

MULTIPLE CHOICE—Choose the correct answer.

1. Before making any adjustments on all the power equipment, the machine should be:
  - A. stopped completely
  - B. running smoothly
  - C. turned off
  - D. turned on
  
2. If you have an accident:
  - A. report it to the instructor after class is over
  - B. report it to the instructor immediately
  - C. don't tell anyone, you'll get in trouble
  - D. you don't have to report it if it was minor
  
3. Eye protection should be worn:
  - A. only when you are using a power tool
  - B. only when you sense danger
  - C. at all times while in the shop
  - D. only when you are standing near power equipment
  
4. Upon passing the safety test:
  - A. it is okay to use any of the equipment
  - B. you no longer have to be concerned about safety
  - C. you may use the equipment after you receive permission from the instructor and have your safety glasses on
  - D. you may use any of the equipment as long as someone is helping you
  
5. Horseplay in the shop is forbidden, name three things that would be considered horseplay:
  1. \_\_\_\_\_
  2. \_\_\_\_\_
  3. \_\_\_\_\_

TRUE OR FALSE—Read each statement completely, then decide if it is true or false.

6. Oily finishing rags may be stored in your lockers.
7. You need to clean up only at the end of class.
8. Never touch or talk to someone while they are using a power tool.
9. You may set a portable tool down as soon as you turn it off.
10. Long hair and loose clothing need to be secured and out of the way before using the power tools.

**DRILL PRESS SAFETY TEST**

**\*\*DO NOT MARK ON TEST\*\***

MULTIPLE CHOICE—Choose the correct answer.

1. Touching a revolving spindle, chuck, or drill bit is:
  - A. a good way to slow down the drill
  - B. permitted if the drill is turning at a slow speed
  - C. very dangerous and should never be done
  - D. permitted after turning the machine off
  
2. Wooden chips should be removed from the drill press table with:
  - A. a glove
  - B. your hand, if you are careful
  - C. compressed air
  - D. a brush
  
3. When the drill bit begins to break through your wood, you should:
  - A. ease up on the feed pressure
  - B. maintain the same feed pressure
  - C. apply more feed pressure
  - D. stop the drill
  
4. If the drill catches a piece of wood, causing it to revolve you should:
  - A. run away, take cover and get your instructor
  - B. turn the drill press off ,if safe to do so, and wait for it to come to a complete stop before removing the wood
  - C. grab the wood with your hand to stop it from turning
  - D. leave it alone and it will eventually spin off
  
5. What might happen if you leave the chuck key in the chuck, then turn on the drill press? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

TRUE OR FALSE—Read each statement completely, then decide if it is true or false.

6. Always use a backing board when drilling holes on the drill press.
7. The speed you drill is not important because the drill press is a safe machine.
8. Use the drill press vice or a clamp to hold your wood whenever possible.
9. Sharp bits cut more accurately, reduce tear out, and require less drilling pressure.
10. Long hair and loose clothing is not a problem when using the drill press.

## BAND SAW SAFETY TEST

**\*\*DO NOT MARK ON TEST\*\***

MULTIPLE CHOICE—Choose the correct answer.

1. Set the upper saw guide about \_\_\_\_\_ above the wood to be cut.
  - A. ½"
  - B. 2"
  - C. ¼"
  - D. ¾"
  
2. When sawing a tight curve you will need to:
  - A. make relief cuts
  - B. carefully saw through your wood
  - C. stop the machine
  - D. ask for help
  
3. To keep your hands a safe distance from the blade:
  - A. use a push stick
  - B. hold wood with one hand
  - C. ask someone else to cut the wood for you
  - D. keep your fingers 2 inches away from the blade
  
4. In order to do a special set-up, such as tilting the saw table, you must:
  - A. make sure you know what you are doing
  - B. get the instructor's approval
  - C. turn off the machine
  - D. be wearing safety glasses
  
5. If the blade breaks:
  - A. turn off the machine and notify the instructor
  - B. leave the machine running and notify the instructor
  - C. you will have to pay for a new blade
  - D. stop the machine and don't tell anyone

TRUE OR FALSE—Read each statement completely, then decide if it is true or false.

6. It is important to keep waste from accumulating on the saw table.
7. Feed wood into the blade at a fast speed, because the band saw cuts very fast.
8. It is safe to keep your fingers in line with the blade if they are at least 6" away.
9. You will need help from the instructor to cut long boards.
10. There is no problem with cutting round wood such as dowels.

**PORTABLE & MACHINE SANDERS SAFETY TEST**

**\*\*DO NOT MARK ON TEST\*\***

MULTIPLE CHOICE—Choose the correct answer.

1. When using the machine sanders, the board must be large enough:
  - A. so that it doesn't slip between the abrasive paper and the table
  - B. so that it doesn't tear the abrasive paper
  - C. so that you can bevel the edges
  - D. so that you can sand on the up stroke
  
2. Before you plug in the portable belt sander:
  - A. check to see if the belt is torn
  - B. check to see if the switch is locked "on".
  - C. lay the sander on its side
  - D. all of the above
  
3. How much pressure is needed to sand properly?
  - A. you must press down very hard
  - B. only light pressure is needed
  - C. It depends on the coarseness of the sanding belt
  - D. only enough pressure to cause a slight cloud of sawdust
  
4. When using the disc sanders you must sand on the \_\_\_\_\_ stroke.
  - A. up
  - B. any
  - C. down
  - D. side
  
5. Why must you keep your wood moving evenly and steadily over the abrasive belt or disc?  

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TRUE OR FALSE—Read each statement completely, then decide if it is true or false.

6. Sanding on the up stroke of a disc sander is okay.
  
7. When selecting sand paper start with a low grit number and work up to a higher grit number.
  
8. You do not need to hold boards securely, because the sander will not grab the wood.
  
9. Arrange the electric cords to avoid running them over with the sander.
  
10. It is not necessary to wait for a portable belt sander to come to a complete stop before placing it on the work table.

**ROUTER SAFETY TEST**

**\*\*DO NOT MARK ON TEST\*\***

MULTIPLE CHOICE—Choose the correct answer.

1. Feed the board into the router \_\_\_\_\_.
  - A. against the bit's rotation
  - B. counter-clockwise
  - C. sideways
  - D. quickly, so the motor won't slow down
  
2. The end grain should be routed first to avoid:
  - A. taking too much time
  - B. burning the wood
  - C. tearing out the side
  - D. losing control
  
3. If the router does not have a pilot you must use a \_\_\_\_\_.
  - A. push stick or safety device
  - B. router with a fence
  - C. different bit
  - D. friend to help you
  
4. When holding the router by hand you must:
  - A. hold router bit away from the wood when turning it on
  - B. make sure the wood is held securely or clamped down
  - C. not listed above
  - D. A and B
  
5. Observe caution when approaching the router bit. You must enter the board:
  - A. at the ½ way point or beyond
  - B. with eyes closed to avoid chips getting in them
  - C. after you have walked around the table
  - D. if the bit is set for a below "center" cut
  
6. What could happen to your fingers if you let them hang over the edge of the board while using the router table?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

TRUE OR FALSE—Read each statement completely, then decide if it is true or false.

7. Use a push stick for small or narrow wood.
8. If you get scared, take your hands off the board.
9. To avoid burning and chipping make more than one pass taking off a little more each time.
10. Feed boards very slowly to avoid burning.

## SCROLL SAW SAFETY TEST

**\*\*DO NOT MARK ON TEST\*\***

MULTIPLE CHOICE—Choose the correct answer.

1. Make all adjustments:
  - A. with the power off and the machine completely stopped
  - B. any time if you are careful
  - C. while the machine is running
  - D. none of the above
  
2. If you force the wood into the blade:
  - A. it may break the blade
  - B. it will cut better
  - C. it will cut faster
  - D. it will reduce your sanding time
  
3. To keep you fingers safe:
  - A. avoid cutting curves
  - B. cut slowly
  - C. keep your fingers out of direct line of the blade
  - D. make sure the blade is tight

TRUE OR FALSE—Read each statement completely, then decide if it is true or false.

4. When waiting to use the scroll saw you don't have to wear safety glasses.
5. The band saw can cut tighter curves than the scroll saw.
6. You must hold boards securely against the saw table.
7. Set the speed dial at the fastest setting.
8. The hold down foot should apply light pressure to the board.
9. The scroll saw cuts smoother than the band saw.
10. The scroll saw cuts faster than the band saw.

## WOOD LATHE SAFETY TEST

**\*\*DO NOT MARK ON TEST\*\***

MULTIPLE CHOICE—Choose the correct answer.

1. Lathe set ups should be done with:
  - A. the lathe running on slow speed
  - B. when turning in reverse
  - C. power is off, but still coasting
  - D. when the machined is stopped
  
2. The late tools should be held?
  - A. in the “up” cut position
  - B. in the “down” position
  - C. with one hand, and resting on the tool rest
  - D. securely with both hands with the chisel resting on the tool rest
  
3. The tool rest must be set?
  - A. on or slightly above the center of the wood
  - B. with the beveled edge at a right angle to the stock
  - C. even with the bottom of the stock
  - D. nearest to the tail stock
  
4. Laminated (glued up) wood should be?
  - A. made with “crisscrossing” layers for strength
  - B. with the beveled edge at a right angle to the stock
  - C. used if high quality work is desired
  - D. cut only with the scoop gouge
  
5. Set the tool support so the tool rest is \_\_\_\_\_ from the stock.
  - A. 2-3 inches
  - B. ¼”
  - C. 1/8”
  - D. ¾”

TRUE OR FALSE—Read each statement completely, then decide if it is true or false.

6. For fancy projects use wood with loose knots, cracks and splits.
7. Always check for “binding” spots by rotating the wood by hand before the lathe is started.
8. Before starting, tuck in all loose clothing, tie back long hair and roll up long sleeves.
9. Only use safety glasses when performing turning operations.
10. Before starting, check to see that the wood is held securely either between centers or on a face plate.

**COMPRESSED AIR SAFETY TEST**

**\*\*DO NOT MARK ON TEST\*\***

MULTIPLE CHOICE—Choose the correct answer.

1. In this class you may ONLY use the compressed air to blow off?
  - A. work benches
  - B. equipment and tools
  - C. your clothing
  - D. bare skin, faces or hair
  
2. Compressed air can run the following tools:
  - A. nailers
  - B. staplers
  - C. drills
  - D. all of the above
  
3. What damage may be caused if a blow gun is used near the eyes or ears? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
4. What happens to the saw dust, when a blow gun is used to spray off equipment? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

TRUE OR FALSE—Read each statement completely, then decide if it is true or false.

5. You may give someone a quick blast with the blow gun just for fun.

**BUFFER SAFETY TEST**

**\*\*DO NOT MARK ON TEST\*\***

MULTIPLE CHOICE—Choose the correct answer.

1. What is actually performing the buffing process?
  - A. the buffing compound
  - B. a cloth wheel
  - C. the speed of the wheel and an electric motor
  - D. your gentle touch
  
2. When buffing, hold the work?
  - A. below the center on the wheel
  - B. above the center on the wheel
  - C. towards your self
  - D. with pliers
  
3. What may happen if you buff into a corner or an edge? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
4. What other protective equipment should you wear besides an apron and safety glasses? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

TRUE OR FALSE—Read each statement completely, then decide if it is true or false.

5. Buff with a “feather-light” touch.