

Band Saw Safety Quiz

Name: _____

Check the box next to the most correct answer

- 1 **When is personal protective equipment (PPE) required to operate the band saw?**
 - never
 - sometimes
 - always
 - most of the time
- 2 **Which of the following are safe operating procedures for a band saw?**
 - ask for permission
 - keep guard in place
 - keep well-balanced
 - all of the above
- 3 **How far should the safety guard be above the stock?**
 - 13mm (1/2")
 - 19mm (3/4")
 - 6mm (1/4")
 - 25mm (1")
- 4 **What should you always use when making tight cuts on curves?**
 - relief cuts
 - reverse cuts
 - circular cuts
 - radius cuts
- 5 **Which side of the line should you always make cuts on?**
 - right
 - left
 - waste
 - none of the above
- 6 **Where should your hands be placed when using the band saw?**
 - in front of the blade
 - behind the blade
 - on the sides of the blade
 - touching the blade
- 7 **What should you do if the blade breaks while operating the band saw?**
 - remove your piece of stock from the machine
 - complete your cut
 - stop the machine, don't remove your stock, and report to the teacher
 - remove the blade
- 8 **What should you do before operating the band saw?**
 - receive instructional demonstration
 - pass the safety test with 100%
 - follow proper safety procedures (eye protection, confine long hair, etc...)
 - all of the above
- 9 **Which of the following are common safe practices for operating a band saw?**
 - hold work piece with one hand
 - leave the machine running when not in use
 - unplug the saw when finished
 - perform layout operations or setup work on the table/work area when the machine is running
- 10 **Which of the following is a safe practice?**
 - start the machine with the stock against the blade
 - start the machine before clearing the table of all objects
 - reach under the table while the machine is running
 - turn off the saw before backing out of a cut

Mitre Saw Safety Quiz

Name: _____

Check the box next to the most correct answer

- 1 **When should permission be obtained from your instructor to operate the mitre saw?**
 - always
 - never
 - sometimes
 - none of the above
- 2 **What is proper dress when operating a mitre saw?**
 - remove any jewelry
 - secure loose clothing
 - confine long hair
 - all of the above
- 3 **When must personal protective equipment (PPE) be worn to operate the mitre saw?**
 - sometimes
 - never
 - always
 - all of the above
- 4 **What should you do before changing the blade or performing any other maintenance on the mitre saw**
 - turn off the machine
 - turn off the machine and disconnect the machine from the power source
 - ensure the saw arm is in the down, locked position
 - keep the safety guard in place
- 5 **What checks should be made after changing the blade on the mitre saw? Check all that apply.**
 - rotate the blade completely by hand before plugging in the machine
 - be sure the switch is in the OFF position before inserting the plug into the outlet
 - ensure that the safety guard is in place and operating correctly
 - ensure that the teeth at the bottom of the blade are pointing away from the fence
- 6 **What should you do before cutting stock on the mitre saw? Check all that apply.**
 - ensure that the safety guard is in place and operating correctly
 - ensure that the stock is free from defects
 - make sure the stock is held tightly against the fence
 - let the motor reach full speed before allowing the blade to touch the stock
- 7 **Where should your hands be placed when operating a mitre saw?**
 - on the right side with your left hand holding the stock (cross-armed)
 - such that your fingers are at least 150mm (6") from the blade
 - away from the saw, you don't need to hold the stock in place
 - as close as possible to the blade
- 8 **When finished cutting stock on the mitre saw, what should be the next step?**
 - turn OFF the saw and wait until the machine has come to a complete stop before unplugging
 - leave your debris and off cuts lying around
 - leave the saw immediately
 - all of the above
- 9 **What is the correct type of blade for the mitre saw?**
 - a cross cut blade
 - any diameter blade
 - a dull and dirty blade
 - a blade with missing teeth
- 10 **While cutting, when can you safely start and stop a mitre saw?**
 - in the full up position
 - in the full down position
 - starting in the full up position and stopping in the full down position
 - in the half way position

Drill Press Safety Quiz

Name: _____

Check the box next to the most correct answer

- 1 **What must you do before using the drill press? Check all that apply?**
 - wear personal protective equipment (PPE)
 - confine long hair
 - remove jewelry
 - ask permission from your instructor
- 2 **Long stock should be held on which side of the drill press**
 - left
 - right
 - front
 - back
- 3 **What should you do when operating a drill press**
 - leave the key in the chuck
 - leave the machine running unattended
 - never use drill bits and sanding drums that are damaged
 - all of the above
- 4 **How should stock be secured when using the drill press?**
 - not fastened at all
 - held at an angle with your hands
 - secured in safe manner (with clamps, etc)
 - none of the above
- 5 **What should happen before you use the drill press?**
 - passed the safety test with a 100% grade
 - followed all safety procedures
 - received teacher demonstration
 - all of the above
- 6 **Which statement is NOT TRUE for the safe operation of the drill press?**
 - use recommended speeds for all operations
 - tighten all lock handles
 - properly lock the bit in the chuck
 - turn the machine on when changing a drill bit
- 7 **Which statement is true for the safe operation of the drill press?**
 - adjust the table depth stop to avoid drilling into the table
 - change the speed without asking for permission
 - make adjustments with the machine still running
 - remove stock when drill bit is still turning
- 8 **What is the correct shut down procedure for the drill press?**
 - shut off power, remove the drill bit or cutting tool, and remove debris from the table
 - turn the machine off, leave it plugged in, and do not remove drill bit or cutting tool
 - turn off the machine, unplug, and leave the key in the chuck
 - none of the above
- 9 **What is the table stop used for?**
 - to adjust the drill bit
 - to avoid drilling into the table
 - to tighten the drill bit
 - to raise or lower the table top
- 10 **What is the rule when choosing the correct speed to drill different materials?**
 - the harder the material the slower the speed
 - the harder the material the faster the speed
 - the softer the material the slower the speed
 - it doesn't matter

Stationary Sander Safety Quiz

Name: _____

Check the box next to the most correct answer

- 1 **What must you wear when operating a stationary sander?**
 - gloves
 - safety glasses
 - hard hat
 - steel toe boots
- 2 **What is important to remember when operating the stationary sander?**
 - the machine is light and does not need to be well secured
 - you don't need a clean work area
 - properly secure the sanding belt
 - you do not need to turn on the dust collection system
- 3 **Why do we inspect the stock for using the stationary sander?**
 - looking for loose knots
 - looking for scratches on the wood
 - looking for pencil marks
 - all of the above
- 4 **Why should you keep a firm grip on your piece of stock when using the stationary sander?**
 - to allow for circular sanding patterns
 - to prevent loss of control
 - to allow you to remove the table insert
 - in case the sanding belt is torn
- 5 **What should you have before using the stationary sander? Check all that apply.**
 - passed the safety test with 100%
 - followed all safety procedures
 - received teacher demonstration
 - received teacher permission
- 6 **When should the stationary sander be disconnected from the power?**
 - while changing the sanding belt
 - while cleaning the table area
 - while not in use
 - all of the above
- 7 **What direction should we always feed the stock?**
 - with the sanding drum rotation direction
 - opposite rotation direction of the sanding belt
 - from left to right on the sanding belt
 - from right to left on the sanding belt
- 8 **What should you do if the sanding belt is torn?**
 - remove it from the machine by yourself
 - continue to sand
 - stop the machine, unplug it from the wall, and report to the teacher
 - stop the machine and leave it, someone else will notice
- 9 **What is the correct shut down procedure for the stationary sander?**
 - turn off machine, disconnect power, and remove debris from the table
 - turn machine off, leave it plugged in, and do not remove debris
 - turn off machine, unplug, and leave sanded stock on table
 - unplug, turn machine off, and remove the sanding disc
- 10 **What should you do when operating the stationary sander?**
 - sand small or wet stock
 - turn the machine on with the stock touching the sanding belt
 - perform setup or layout work on the table
 - none of the above

Table Saw Safety Quiz

Name: _____

Check the box next to the most correct answer

- 1 **How high above the wood should you set the saw blade?**
 - 6mm (1/4")
 - 13mm (1/2")
 - 19mm (3/4")
 - 25mm (1")

- 2 **What equipment is found on a safe table saw? Choose all that apply.**
 - splitter
 - guard
 - anti-kickback device
 - table insert

- 3 **Which type of material can be cut using the table saw?**
 - metal
 - softwood
 - hardwood
 - both softwood and hardwood

- 4 **Which operation is safe when using the table saw?**
 - crosscutting with a miter gauge and fence at the same time
 - cutting while having the miter gauge or fence in place
 - freehand cutting
 - ripping material without the fence

- 5 **What should we do before operating the table saw?**
 - get teacher permission
 - pass safety test with a score of 100%
 - view the demonstration by the teacher
 - all of the above

- 6 **What should you do to avoid kickback?**
 - keep the saw blade parallel to the rip fence
 - cut freehand
 - saw a piece of wood with knots, nails, or other foreign objects
 - use a dull blade with missing teeth

- 7 **What should a student do before starting the table saw? Choose all that apply.**
 - inspect the blade
 - have the wood touching the blade
 - inspect the piece of stock
 - ensure proper safety equipment is in place

- 8 **Which one of the following statements is true?**
 - always start the machine with the wood touching the blade
 - always attempt to free a stalled saw blade without first turning the machine off
 - always perform layout on the table saw
 - use the correct blade for the intended operation

- 9 **What is the distance between the fence and the blade where the use of a push stick is indicated?**
 - 75mm (3")
 - 150mm (6")
 - 300mm (12")
 - none of the above

- 10 **What should you do before leaving the table saw after you have finished?**
 - just unplug the machine
 - unplug the machine, lower the blade, clean up debris
 - let someone clean it up at the end of the class
 - just lower the blade

Jointer Safety Quiz

Name: _____

Check the box next to the most correct answer

1 When can a student operate a jointer?

- after they have received instruction
- after they have removed any jewelry
- once they have confined loose clothing and confined long hair
- all of the above

2 Which direction should wood stock be jointed?

- against the grain
- sideways to the grain
- with the grain
- all of the above

3 What should you do when you approach the jointer? Check all that apply.

- take a comfortable stance with your feet about shoulder width apart
- make sure the cutter safety guard is in full and proper operation
- ensure the fence is locked in the correct location
- have received instructor permission

4 What is the maximum depth of cut on a jointer?

- 3 mm (1/8")
- 9 mm (3/8")
- 19 mm (3/4")
- 25 mm (1")

5 What is the minimum length of work piece that can be safely used on a jointer?

- 125mm (5")
- 250mm (10")
- 300mm (12")
- 600mm (24")

6 What should you do before starting the jointer?

- make sure the guard is in place and is operational
- leave objects on the table (tools, scraps of wood etc..)
- loosen the in feed and out feed tables
- all of the above

7 Which one of the following statements is true?

- the workpiece should contact the cutter before the jointer is turned on
- feed the work piece into the outfeed end of the machine
- it is okay to feed a work piece that is warped, contains knots, or is embedded with foreign objects (such as nails)
- never perform freehand operations, always have the fence in proper position to guide the workpiece

8 What is an important procedure when using the jointer?

- apply pressure to the infeed table only
- apply pressure to the outfeed table only
- apply even constant pressure to both the infeed and transfer to the outfeed table as the stock is being jointed
- none of the above

9 Which of the following statements are true? Circle all that apply.

- operate only with instructor's permission and after you have received instruction
- remove jewelry, eliminate loose clothing, and confine long hair
- make sure all guards are in place and operating properly
- a safety test on the tool has been passed at 100%

10 How far can your fingers be away from the cutters before you use a push stick or safety blocks?

- 75mm (3")
- 100mm (4")
- 150mm (6")
- 200mm (8")

Planer Safety Quiz

Name: _____

Check the box next to the most correct answer

1 Which statement is true?

- Keep knives sharp and free from rust and pitch. Dull, rusted knives work harder and can cause kick back.
- there is no minimum thickness of stock that can be planed safely
- the power does not have to be turned OFF to remove chips or shavings
- you can stand directly in front of the machine because kickback will not occur with this device

2 What should the user do when choosing stock to be planed?

- not worry too much about stock condition
- choose short stock under 300mm (12") in length
- check material for loose knots, nails and other foreign objects
- all of the above

3 What is the maximum amount of cut recommended for a thickness planer?

- 3 mm (1/8")
- 6 mm (1/4")
- 9 mm (3/8")
- 13 mm (1/2")

4 What should be done when attempting to plane thin stock?

- nothing - the planer will plane it safely
- double it up to make it thicker
- it should be properly supported by a jig or back up board
- you should never plane thin pieces

5 Which of the following statements are true?

- operate only with instructor's permission and after you have received instruction
- remove jewelry, eliminate loose clothing, and confine long hair
- make sure all guards are in place and operating properly
- all of the above

6 What should the user do when feeding stock into the planer?

- feed the wood by hand and force it into the machine
- not force wood through the planer, guide the material and let the power feed operate
- keep pressure on the stock pushing it into the machine
- stand directly in front of the machine

7 Which of the following is the correct procedure for planing bowed stock?

- there is no procedure just run it through as is
- place the concave (cup down) side of the stock on the table and cut with the grain to prevent kickback
- place convex (cup up) side of the stock on the table and cut against the grain to prevent kickback
- push it through as best you can and hold it tight with your hands

8 What are the proper depth of cut and rate of speed related to?

- the ability of the operator
- the hardness of the material being planed
- the time available
- none of the above

9 When must personal protective equipment (PPE) be worn?

- only when asked
- when the instructor is in the room
- always
- never

10 What should the user do before operating the planer? Check all that apply.

- received instruction
- passed a tool safety test with 100%
- received permission
- check that all guards are in place

Router Safety Quiz

Name: _____

Check the box next to the most correct answer

- 1 **When should permission be obtained from your instructor to operate the router?**
 - always
 - never
 - sometimes
 - when the stock to be routed is large
- 2 **Which are included in the proper dress for operating a router?**
 - no jewelry
 - no loose clothing
 - confine long hair
 - all of the above
- 3 **When must Personal Protective Equipment (PPE) must be worn to operate the router?**
 - sometimes
 - never
 - always
 - all of the above
- 4 **What must you do when changing the bit or performing any other maintenance on the router?**
 - turn off the machine
 - turn off the machine and disconnect the machine from the power source
 - it doesn't matter because the bits are small anyway
 - keep the safety guard in place
- 5 **What should you do after changing the bit on the router? Check all that apply.**
 - rotate the spindle completely by hand before turning on the machine
 - be sure the switch is in the off position before inserting the plug into the outlet
 - ensure that the collet chuck is tight and secure
 - remove the wrench from the collet before inserting the plug into the outlet
- 6 **What is considered safe practice when cutting stock on the router?**
 - start on your piece of stock right away
 - hold onto the router firmly with both hands
 - use only one hand so you can hold the stock with the other
 - none of the above
- 7 **What should you do when cutting stock on the router?**
 - turn the machine on and off several times to get rid of the offcuts
 - feed the stock into the blade to slow down the motor
 - guide the router slowly through the stock and let the machine do its work
 - place your stock on the table with the outline down towards the table so that you will not cut off the line
- 8 **Which of the following are safe practises when cutting stock on the router? Check all that apply.**
 - make sure the work piece is clamped securely to the table
 - when routing edges using a pilot guide, you rout in an counter-clockwise direction
 - make sure the cutting area under the work piece is free of any obstruction
 - use an old dull bit
- 9 **What rule should you use when choosing the correct speed for cutting stock on the router?**
 - the harder the material the slower the speed
 - the harder the material the faster the speed
 - the softer the material the slower the speed
 - doesn't matter because the stock will be held tightly to the table
- 10 **What should you do when finished routing?**
 - lay the router down on the workbench
 - move the router away from your stock and wait it to completely stop before laying it on the workbench
 - continue to hold the cutter firmly against the work piece until it stops
 - leave the switch in the locked-on position

Wood Lathe Safety Quiz

Name:

Check the box next to the most correct answer

1 Which of the following statements is true?

- when using the wood lathe the user should not wear a tie, gloves, or loose clothing
- you can make adjustments to the tail stock while the machine is running
- the wood lathe is only for softwood
- the speed of the wood lathe can not be adjusted

2 What should a user consider when selecting a piece of stock to turn on the lathe?

- not worry to much about stock condition
- examine the workpiece for flaws and test glue joints before mounting the piece to the machine
- not worry about the length or width of the stock
- none of the above

3 What must have occurred before a student operates the wood lathe?

- they received instruction from the teacher
- they passed a tool safety test with 100%
- they received permission from the teacher
- all of the above

4 What should the user do before turning on the lathe?

- choose a piece of stock and sand it to shape
- loosen head stock and tool rest
- rotate the workpiece by hand to check clearance
- nothing, the machine is ready to go

5 What should the user do before installing a work piece on the headstock?

- rough cut the workpiece as close as possible to the finished shape
- attach nails as a guide
- do nothing with the piece, the chisel will fix any problems
- drill holes in the piece to help secure it

Biscuit Joiner Safety Quiz

Name:

Check the box next to the most correct answer

- 1 **When should eye and ear protection be worn while using the biscuit joiner?**
 - always
 - most of the time
 - some of the time
 - never
- 2 **What must you do before using the biscuit joiner?**
 - check the tool for defects
 - have received safety instruction
 - have the instructor's permission
 - all of the above
- 3 **Which of the following is correct when using the biscuit joiner?**
 - carry tool with finger on trigger
 - make all adjustments with the tool plugged in
 - keep the switch in the OFF position before plugging in
 - all of the above
- 4 **What must be in place using the biscuit joiner? Circle all the apply.**
 - dust bag
 - fence
 - handle
 - personal protective equipment
- 5 **What should be done with the stock when using a biscuit joiner?**
 - must be at least 18" long
 - must be held in your hand
 - must be clamped in a suitable manner
 - all of the above

Circular Saw Safety Quiz

Name: _____

Check the box next to the most correct answer

- 1 **What should you do before using the circular saw? Check all the apply.**
 - pass the safety test with 100%
 - follow all safety procedures
 - receive teacher demonstration
 - receive teacher permission
- 2 **What should you look for when inspecting stock?**
 - loose knots
 - scratches
 - pencil marks
 - all of the above
- 3 **Why should you stand on the left side of the circular saw and not in line with the blade when cutting?**
 - so you can cut along the grain of the wood
 - to avoid the kickback of the stock
 - so the blade stays sharp
 - none of the above
- 4 **What should you do before using the circular saw?**
 - remove jewelry
 - confine long hair
 - secure loose clothing
 - all of the above
- 5 **When cutting the circular saw where should you place your hands?**
 - on the cutting line
 - below the piece of stock
 - holding the piece of stock
 - holding the saw firmly in both hands
- 6 **Which of the following describes a correct circular saw cutting technique? Check all that apply.**
 - ensuring cuts are not made overhead
 - ensuring that the saw is not started above the stock
 - ensuring that power is disconnected before changing the blade
 - ensuring that the guard is out of the way when you start
- 7 **Which of the following describes a proper use for the circular saw?**
 - using it to make curved cuts
 - using it to make straight cuts
 - using it for overhead cuts
 - using it to cut materials that are not properly clamped or secured
- 8 **What should you do when using the circular saw?**
 - hold down the stock with your hand while cutting
 - lay the stock across your leg while cutting
 - clamp your stock before cutting
 - none of the above
- 9 **What should you do if the saw blade binds while making a cut?**
 - release the trigger and wait until the blade comes to a complete stop before removing it from the material
 - remove the saw immediately to help avoid kick back
 - back the saw out of the cut
 - shake stock vigorously until the blade comes free
- 10 **What should you ensure before starting a cut?**
 - that the saw blade is dull and may be missing teeth
 - that the guard is up and out of the way
 - that your stock is not secured or clamped
 - that you know where the power cord is in relation to your saw

Jigsaw Safety Quiz

Name:

Check the box next to the most correct answer

- 1 **What should you check before plugging in a jigsaw?**
 - that the material for cutting is held freehand
 - that the switch is in the OFF position
 - with your partner about using the saw
 - that the blade is touching the material to be cut

- 2 **Along with having hair tied back and loose clothing secured, what should you do when operating a jigsaw?**
 - wear ear protection
 - remove jewelry
 - wear eye protection
 - all of the above

- 3 **What should you do when you finish cutting the work piece with the jigsaw?**
 - allow tool to come to a complete stop before withdrawing the blade from the kerf
 - pull the blade out of the kerf while it is still running
 - leave the saw running on the bench unattended
 - leave the saw plugged in unattended

- 4 **What do you do if the saw blade gets stuck while you are making a cut?**
 - force the tool
 - lean on the board
 - keep your finger on the trigger
 - stop, unplug it, and safely remove the saw

- 5 **How should you hold a work piece when cutting with the jigsaw?**
 - hold the work piece with your hands
 - clamp the work piece to the bench
 - get a friend to hold the work piece
 - none of the above

Palm Sander Safety Quiz

Name: _____

Check the box next to the most correct answer

- 1 **When should permission be obtained from your instructor to operate the palm sander?**
 - in all situations
 - never
 - when sanding lead paint
 - when the stock to be sanded is small
- 2 **What should you wear when operating a palm sander?**
 - no jewelry
 - no loose clothing
 - confined long hair
 - all of the above
- 3 **When must proper eye protection be worn to operate the palm sander?**
 - when sanding hardwood
 - when sanding softwood
 - always
 - never
- 4 **Why do you make holes in the sandpaper before using it?**
 - to allow for more vigorous sanding
 - to allow for better dust collection
 - to ensure that the paper does not fall off
 - to save paper
- 5 **What is not recommended to be sanded with the palm sander because it may create contaminated dust?**
 - pine
 - maple
 - lead
 - birch
- 6 **Why must the dust bag be emptied regularly when sanding resin coated surfaces such as paint and varnish?**
 - it uses more electricity
 - sand paper loses its grittiness
 - the residues from such compounds may self ignite and cause fire
 - none of the above
- 7 **Why must the user ensure that the surface being sanded is free of nails, screws and other metal pieces?**
 - lead contained in nails or screws is a contaminant
 - metal shards could break off and become a projectile
 - so that the operator doesn't need to wear safety glasses
 - metal pieces will make your stock look bad
- 8 **Why should the sander only be operated for short periods of time?**
 - it draws too much power
 - it is too noisy
 - vibration caused by the operating action of this tool may cause permanent injury to fingers, hands and arms
 - you will use too much sandpaper
- 9 **Why is it important that the user wear Personal Protective Equipment (PPE) when using the palm sander?**
 - dust particles from sanding can irritate your eyes and lungs
 - the sander is not noisy
 - the sander does not produce any dust
 - all of the above
- 10 **What must you do before connecting the sander to the power source? Choose all that apply.**
 - ensure that the power button is in the OFF position
 - ensure that the sand paper is secured properly to the sanding pad with attached clamps
 - ensure that the dust collection system is connected
 - ensure that the power cord is not frayed or damaged

Scroll Saw Safety Quiz

Name: _____

Check the box next to the most correct answer

- 1 **When should permission be obtained from your instructor to operate the scroll saw?**
 - sometimes
 - never
 - always
 - when the stock to be cut is only small
- 2 **What is the proper dress when operating a scroll saw?**
 - remove jewellery
 - secure loose clothing
 - confine long hair
 - all of the above
- 3 **When should personal protective equipment (PPE) must be worn to operate the scroll saw?**
 - sometimes
 - never
 - always
 - all of the above
- 4 **What must you do when changing the blade or performing any other maintenance on the scroll saw?**
 - turn off the machine
 - turn off the machine and disconnect the machine from the power source
 - doesn't matter because the blades are only small anyway
 - keep the safety guard in place
- 5 **What should you do after changing the blade on the scroll saw?**
 - rotate the machine completely by hand before plugging in the machine
 - turn on the machine to check the tightness of the blade
 - rub the blade with machine oil
 - hold the stock tightly to the table
- 6 **What type of blade should you choose for cutting stock on the scroll saw?**
 - thin for straight cuts
 - thin for tight radius curves
 - wide for tight radius curves
 - wide for all cuts
- 7 **When cutting stock on the scroll saw where should you place your fingers?**
 - directly on the out line
 - ahead of the outline
 - to the side of the outline
 - behind the outline
- 8 **What should you do when cutting stock on the scroll saw?**
 - turn the machine on and off several times to get rid of the saw dust
 - feed the stock into the blade to slow down the motor
 - guide your work slowly through the stock and let the machine do its work
 - none of the above
- 9 **Where should you place the hold down foot when cutting stock on the scroll saw?**
 - 1" above the work piece
 - 1/2" above the work piece
 - 1/4" above the work piece
 - lightly against the work piece
- 10 **When can you attempt to saw stock that doesn't have a flat surface?**
 - never
 - when you use a suitable support
 - when you get help from a classmate
 - all of the above