

# Nevada Woodchucks Safety Preparation

## **BAND SAW INFORMATION**

1. Before using the band saw the blade should be checked to make sure it is tight & tracking properly and that it is the right type of blade for the work.
2. Check to be sure that the blade is installed properly with the teeth pointing down.
3. Get permission from the instructor before making any changes or adjustments on the saw.
4. The wheel guards must be in place and locked before the saw is turned on.
5. The blade guide should be adjusted so that it is about 1/8" above the material you are going to cut.
6. When you switch on the saw, make sure it is tracking properly.
7. If the saw makes a strange noise while it is running, turn it off immediately.
8. Never stand on the right side of the table, and don't let anyone else stand on that side while the saw is running.
9. If the blade breaks, get out of the way immediately.
10. Never make adjustments on the saw while it is running.
11. Wait for the saw to come up to full speed before you start the cut.
12. Feed the material smoothly and evenly through the cut don't force it.
13. Do not back out of a cut while the saw is running. Stop the saw & wait for it to come to a complete stop.
14. A narrow blade should be used for cutting small circles or sharp curves. Relief cuts should be made first.
15. Guide the material so that your hands & fingers are not in the path of the cut. Keep them out of the line of the cut.
16. Use a piece of scrap wood to remove scraps from around the table.
17. The material must be held down firmly against the table while it is being cut.
18. Plan the cut so that you can keep your line of sight all the way through the cut.
19. When you cut a large piece of material ask someone to help hold down the stock while you guide it through the saw.
20. You should never try to cut round or warped stock on the band saw.
21. Always turn the band saw off and wait for it to come to a complete stop before you leave it.
22. Do not use the band saw until you understand how to use it correctly and safely.
23. In the event of a power loss always switch the machine to the off position.
24. No loose clothing or jewelry are to be worn while operating the equipment.

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## **DRILL PRESS INFORMATION**

1. Long hair must be tied back or worn under a cap when you operate the drill press.
2. Use only bits that are designed and manufactured for power drill operation.
3. Be sure that the drill bit is sharp, straight and in good condition before operating.
4. Set the drill speed for the type of cut that is going to be made.
5. The hole in the center of the table must be lined up directly under the cutting tool.
6. Use the clamp to hold the material firmly in place on the table.
7. Use the chuck key to tighten the chuck.
8. Check the chuck to be sure that the chuck key has been removed from the chuck before you turn on the drill press.
9. Keep your hands and fingers away from the area directly around the drill bit.
10. Back out of a deep cut from time to time to prevent the bit clogging and burning.
11. A piece of scrap should be used under the material when a hole is to be drilled all the way through the stock.
12. The drill press must be completely stopped before changes or adjustments are made.
13. Let the drill press coast to a stop, never try to stop it by hand.
14. Use a push stick to clear waste material from the drill press table.
15. Never leave the drill press while it is still running. Wait for it to come to a complete stop before you leave it.
16. Get the instructor's permission before you use any special set-up or attachments.
17. No loose clothing or jewelry is to be worn when operating the equipment.
18. In the event of a power failure turn the switch to the off position.

## **PLANER INFORMATION**

1. Get permission from the instructor before using the Planer.
2. Wear eye & ear protection when using the planer.
3. You should know where the controls are and know how to operate them in case there is an emergency.
4. Set the height of the table before switching on the planer.
5. The planer should be set for the smallest cut that will do the job.

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6. The wood must be in good condition and free of defects such as loose knots, splits and checks.
7. The wood must be free of nails or any other foreign objects.
8. Never plane wood that has paint, varnish or any other kind of finish on it.
9. The stock must be long enough to go through the Planer safely.
10. The material should be at least 1/2" thick.
11. The surfaced reference face of the board should be placed down on the Planer.
12. When you plane a long piece of stock get someone to help support the material as it leaves the outfeed side of the Planer.
13. Always plane with the grain of the wood. Never try to plane across the grain.
14. Keep your fingers out of the area between the board and the rollers.
15. Stand to one side while the board is going through the Planer. This is to avoid injury in case there is a kickback.
16. Never look into the Planer while it is operating.
17. If the material gets stuck in the Planer, turn it off immediately and wait for it to come to a complete stop, then you can lower the table to release the material.
18. Do not use the Planer until you have learned to operate it correctly and safely.
19. Never wear loose clothing or jewelry while operating the equipment.
20. In the case of a power failure turn the switch to the off position.
21. Always wear eye and ear protection when operating the equipment

## MITER SAW INFORMATION

1. Wear industrial quality safety glasses when operating the motorized miter saw.
2. Make sure the saw is securely attached to a table or base support before attempting any cut.
3. Hold or clamp the material securely before making any cut.
4. Keep hands at least 4 inches away from the rotating saw blade when making a cut.
5. After the saw blade has cut through the material, continue to hold the saw down, release the trigger switch, and let the saw blade stop rotating before allowing the blade to return to its starting position.
6. Never attempt to remove scrap material from the cut zone until the blade has stopped rotating and your hand is removed from the on/off switch.
7. If cutting long stock, support the long end to prevent the material from binding or jamming the saw blade after the cut is finished.

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8. Lock the saw blade in its safest position when work is completed, and you are leaving the work area.
9. Caution others in the work area to wear safety glasses and be aware of the saw dust generated by the saw.
10. Unplug the saw when making adjustments on the saw.
11. Wear hearing protection when using the motorized miter saw for extended periods of time.
12. Only the operator of the machine may turn the power of the saw on and off.
13. The miter saw is used for crosscutting operations ONLY!
14. Hold the saw firmly and lower the blade slowly into the material being cut. After the cut is completed continue to hold the blade in the down position, release the off/on switch, wait till the blade stops rotating and then raise the blade to the up position.
15. If the motorized miter saw is mounted on a slide, pull the saw out to the extended position, turn the switch on, lower the blade into the material, and push the saw forward to make the cut.
16. Keep scraps removed from the cutting zone to avoid them being thrown out by the saw blade.
17. If the material is bowed or warped, clamp the stock to the saw base before making the cut to avoid binding or saw kickback.
18. Align the saw blade on the waste side of the cut line.
19. Hold the material securely against the fence when making cuts.
20. When making multiple cuts of the same dimensions, clamp a stop on the saw table to assure accuracy of the cut and to reduce the time needed to make the cuts.
21. If the saw should kickback, continue to hold it firmly in the down position, release the off/on switch and wait

## TURNING LATHE INFORMATION

1. Get permission before using the Turning Lathe.
2. To protect the operator, wear an apron.
3. Don't do anything on the lathe that hasn't been properly demonstrated for you.
4. When gluing up material for turning make sure the glue is spread evenly.
5. Before using a turning tool it must be sharp.
6. The tool rest must be positioned 1/8" from the turning blank.
7. The tool rest should be elevated to the center of the turning blank.

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8. When honing or sharpening a turning tool, the tool must be held to the angle of grind to the honing/sharpening wheel.
9. When spindle turning the head stock, the chuck must be tapped firmly onto the head of the turning blank.
10. When sanding a turning blank a dust mask must be worn.
11. Turning the outside of a blank to perfect roundness is done with a gouge.
12. Use a tool rest when holding a turning tool.
13. Do all lathe cutting evenly down the entire length of the blank.
14. A cupped, round nosed gouge is used for outside shaping on a blank.
15. A turning tool must be held firmly against the tool rest.
16. Never touch a blank when the lathe is running.
17. A turning blank must be free of knots and defects.
18. Inside shaping is done on a cup or bowl blank with a sharp round-nosed gouge.
19. Eye and face protection must be worn when operating the lathe

## ROUTER INFORMATION

1. Use the Router only after you get permission from the instructor.
2. Don't use the Router until it's proper use has been demonstrated.
3. Safety Glasses must be worn to avoid eye injuries.
4. Ear muffs or plugs must be worn to protect your hearing.
5. The Router must always be unplugged when it's not in use and when you change bits.
6. Before you plug in the Router, check the switch to make sure it is in the OFF position.
7. Be sure that the bit is sharp & in good condition.
8. A worn dirty or damaged collet can damage the Router and the bit.
9. The shank of the bit should be inserted at least 1/8" from the bottom of the collet.
10. Avoid touching the cutting edge of the bit.
11. The chuck should be tight enough to hold the bit snugly, but not so tight that the Router is damaged.
12. Be sure that the bit is clear of the Router base.
13. The lock screw must be secured after the Router has been adjusted for the depth of the cut.
14. Avoid making a cut that is too deep. It is safer to make several shallow cuts.
15. The area of the stock that is to be routed must be clean & free of any debris and metal.

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16. The stock must be surfaced and smooth and large enough for the type of cut you plan to make.
17. Material that is to be worked on with the Router should always be secured.
18. The path of the Router must be kept clear of clamps or other objects.
19. Plan the cut so you don't have to over-reach. Plan the cut so you can keep your balance.
20. Always hold the Router firmly with both hands while you operate it.
21. The bit must be clear of the material when the Router is switched on.
22. Wait for the Router to come up to full speed before you start the cut.
23. Forcing the Router or bit will damage both the Router and the material.
24. The direction of feed should always be against the rotation of the bit.
25. The bit should be clear of the material before the Router is turned off.
26. Wait for the Router to come to a full stop before you set it down.
27. The Router should never be set down on a turning bit.
28. Never wear loose clothing or jewelry when operating equipment.
29. In case of power failure turn the switch to the off position.
30. Always wear eye protection when operating the equipment.