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| ***Portable_Plant_SOP*****CIRCULAR SAW** |
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| **DO NOT** use this machine unless a teacher has instructed you in its safe use and operation and has given permission |
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| Safety glasses and face shield must be worn at all times in work areas. | Hearing Protection circleAppropriate hearing protection (*Class 5-SLC80>26 dB*) must be worn. |
| Foot Protection circleProtective, steel-toed work boots must be worn. | **Hair Protection circle**Long or loose hair must be tied back and contained. |
| Prohibition circle**Prohibition circle**Prohibition circleRings and jewellery must not be worn. | ApronA dust apron or overalls must be worn. |

### **A very high risk of injury exists if guards and fences are removed.**

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### **PRE-OPERATIONAL SAFETY CHECKS**

1. **Ensure work area is suitable and provides adequate space to allow for the safe use of the saw without interfering with other students or activities.**
2. **Ensure the material to be cut is free of loose knots or foreign materials e.g. nails. Material which is badly twisted or bowed should not be cut with this saw.**
3. **Ensure the material to be cut is securely supported and at good working height.**
4. **Check that the saw blade nut/stud is tight and blade is free of chips and cracks.**
5. **Check that saw guard/s are in place, in good working condition, and that all adjustment levers have been tightened.**
6. **Adjust the blade correctly for the task.**
7. **Ensure you are familiar with the operation of the ON/OFF switch.**

#### OPERATIONAL SAFETY CHECKS

1. **Ensure base plate/foot of the saw is correctly positioned and secured.**
2. **Do not support your material by hand, setup on bench or supports. Use two hands to operate.**
3. **Do not start the saw with the blade touching the material. Allow it to reach full speed before cutting.**
4. **Do not have any part of your body in line with the path of the saw blade.**
5. **Keep hands and power leads away from underneath the work. Do not attempt to remove cut material while the blade is turning.**
6. **Keep blade path straight during cut to prevent ‘kickback’ and avoid twisting.**
7. **Use a fence or guide where possible when making long rips or cross cuts.**
8. **When cutting larger sheets, ensure material is well supported to prevent binding on the blade and causing ‘kickback’ of the saw.**
9. **If task requires the cut to be stopped within the material, release the switch, hold the saw securely and wait for the blade to stop before removing.**
10. **Before making any adjustments of the saw, bring the machine to a complete standstill, and then disconnect the AC plug from the power source.**

#### HOUSEKEEPING

1. **Switch off and isolate the table router after use. Ensure all guards are closed.**
2. **Leave the machine in a safe, clean and tidy state.**

## POTENTIAL HAZARDS

* + **Moving, rotating and sharp parts ◼ Electricity ◼ Pinch and squash**
	+ **Dust and fumes ◼ Eye injuries ◼ Noise**

#### FORBIDDEN

* + **DO NOT operate this saw in moist or wet conditions.**

**Date of last review:**  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Signature:**