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| ***Portable_Plant_SOP***  **CIRCULAR SAW (cordless)** | |
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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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| Approved safety glasses and a face shield must be worn at all times in all ITD spaces. | Long or loose hair must be contained or restrained. |
| Foot Protection circleAppropriate protective footwear with substantial uppers must be worn in all ITD spaces. | A suitable workshop apron or overalls must be worn. |
| Hearing protection must be worn *(Class 5 – SLC80 >26 dB).* | Prohibition circleRemove all exposed rings and jewellery |

### **Never operate a faulty electrical power tool. Report it to your teacher.**

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

1. **Ensure the work area is suitable and provides adequate space to allow for the safe use of this saw without interfering with other students/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 a good working height.**
4. **Check the blade nut/stud is tight and the blade is free of chips and cracks e.g. chipped teeth.**
5. **Tighten adjustment levers and ensure all saw guard/s are in place and in good working condition.**
6. **Adjust the depth of the blade correctly for the task.**
7. **Ensure you are familiar with the operation of the ON/OFF switch.**
8. **Clear your work area of trip hazards and waste materials.**

#### 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 the saw.**
3. **Do not start the saw with the blade touching the material. Allow the saw to reach full speed before starting to cut.**
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 rip 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.**

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

#### HOUSEKEEPING

1. **Return the saw to the storage area and detach the battery for re-charging.**
2. **Leave the work area in a safe, clean and tidy condition.**

## POTENTIAL HAZARDS

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

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