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| ***Portable_Plant_SOP***  **ANGLE GRINDER** | |
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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 must be worn at all times in all ITD spaces. | Hearing protection *must* be worn at all times when using this power tool. |
| Foot Protection circleAppropriate protective footwear with substantial uppers must be worn in all ITD spaces. | Wear close fitting protective clothing, overalls, leather gloves, etc. |
| A dust mask *should* be worn when excessive airborne dust or fumes are created. | Contain or restrain long and loose hair and remove exposed rings or jewellery. |

### **DO NOT use faulty equipment – report this immediately to your teacher**

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

1. **Ensure you have a suitable, safe work area.**
2. **Check that the disc, guards and handle are secure.**
3. **Check that the safety guard covers half the disc.**
4. **Examine the power lead and plug for obvious damage.**

#### OPERATIONAL SAFETY CHECKS

1. **Do not plug in until all adjustments have been made.**
2. **Do not fit a grinding disc that has been dropped, damaged or become wet at any stage.**
3. **Ensure your work piece is secured and supported.**
4. **Keep fingers, hands and clothing clear of the disc.**
5. **Use the grinder only in a designated work area – preferably behind a portable screen.**
6. **Be aware of flying hot sparks. Hold the grinder so that any sparks fly away from you and anyone nearby, and away from all flammable materials.**
7. **Allow the grinder to reach operating speed, then apply load gradually. Maintain a constant pace to avoid uneven surfaces.**
8. **Maintain complete control. Always operate with both hands. Keep a proper and steady footing**
9. **Do not apply excessive force and avoid prolonged use.**
10. **Avoid prolonged use and high pressures. This could overheat the motor.**
11. **Violent kickback can occur, particularly when cutting.**
12. **Leather gloves must be worn when handling hot metal.**
13. **Turn off after use. Do not place the grinder down until the disc has stopped rotating.**

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| **Serious injuries can be caused by kickback** |

#### HOUSEKEEPING

1. **Do not lift or carry the angle grinder by the power cord.**
2. **Leave the work area in a safe, clean and tidy condition.**

## POTENTIAL HAZARDS

* + **Rotating, sharp parts ◼ Dust and fumes ◼ Electricity**
  + **Hot sparks and burns ◼ Eye injuries ◼ Noise**

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