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| Author: Kevin Arne Title: Prototyping Lab Manager Date: 8/9/2022  |
| #1 Process (if applicable) | Cut wood in a straight line |
| #2 Equipment | Circular saw |
| #3 Personal Protective Equipment (PPE) | * Eye protection
* Gearing protection
* Minimum shop PPE
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| #4 Environmental /Ventilation controls. | None |
| #5 Required training or approval  | * Circular saw training
* Review and observe general shop safety practices outlined in the MKRSPC MNL.
* Refer to the manufacturer’s operating manual for all operating procedures.
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| #6 Inspection requirements before use | * Visually inspect the entire machine including power supply.
* Check the area to be sure people are alert and wearing PPE.
* Ensure all guards are fitted, secure and functional. Do not operate if guards are missing or faulty.
* Keep work area clear of all tools, off-cut timber and sawdust.
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| #7 Safe operating procedures or precautions | * Check to see that all adjustments are secure before making a cut.
* Set the depth of cut to the minimum possible. A good rule of thumb is that a single tooth gullet should extend beyond the bottom of the workpiece.
* Before turning on the saw, perform a dry run of the cutting operation to ensure no problems will occur when the cut is made.
* Make sure both the final piece and the offcut piece will be supported throughout the cut.
* Keep fingers at least 6 inches away from the blade.
* Use clamps to hold the workpiece, never use your hands.
* After finishing the cut, release the switch, and wait for blade to stop before removing work or offcut piece.
* Keep the blade straight during your cut to reduce the chance of binding. Use a straight edge clamped to the material if needed.
* Keep your body out of the kickback zone as much as possible. Circular saws tend to kickback along the plane of the blade.
* Leave the woodshop in a safe, clean and tidy state.
* If there are any questions regarding safety, ask a staff member for help.
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| #8 Chemicals/ spill procedures/waste disposal |  Not applicable |
| Author Signature: Date:  |