**Tool Safety**

**Pedestal Grinder**



* Always wear safety glasses and a clear face shield
* Always use the tool rest, don’t freehand grind.
* The tool rest must be fastened securely with about a 1/16 inch of clearance between it and the wheel. A maximum clearance is 1/8 of an inch.
* Never install a grinding wheel. See your instructor for instruction.
* Ensure that no one is inside the operator's zone while you are operating the grinder. One person uses the grinder at a time.
* Ear plugs (hearing protection) are recommended.
* Always check a grinding wheel for cracks, defects, or impregnated aluminum prior to use. Don’t grind soft materials such as aluminum, brass, and wood.
* Use the correct type of grinding wheel. There are different wheels designed to grind aluminum.
* Ensure the tongue guard is in place and securely fastened.
* Ensure the grinder has a true, balanced, and dressed wheel. Notify the instructor if the wheel needs to be dressed.
* Stand to one side of the grinder when turning it on.
* Move back and forth across the cutting surface (FACE of the grinding wheel), to keep the wheel from being grooved.
* Never grind on the side of a wheel in the welding lab.
* Keep the work cool by quenching it in the water pot.
* Press work material against the wheel using a fair amount of pressure. Do not overload the machine.
* Remember to turn the grinder off immediately after you are done (walk away). Wash your hands to remove abrasives or metal dust. Don’t touch your face or eyes.