

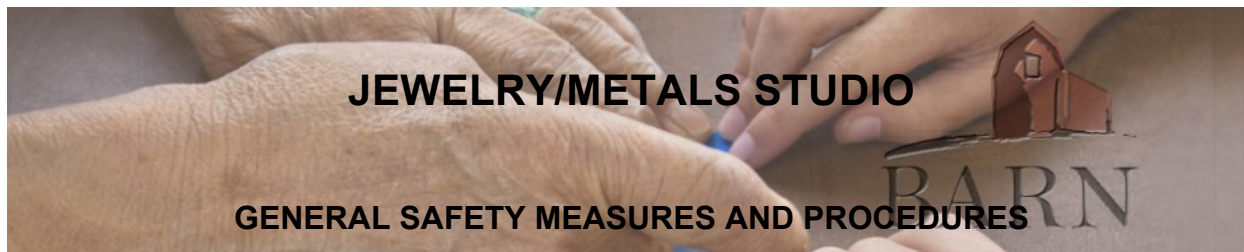


JEWELRY/METALS STUDIO

GENERAL SAFETY POLICIES

1. The tools and equipment are for use only by students currently enrolled in Jewelry/Metals Classes.
2. Equipment or tools may **ONLY** be operated if you are/have:
 - a. Barn-JM Instructor approval and instruction,
 - b. Alert, rested and focused
 - c. Using appropriate safety gear,
 - d. Two people, minimum, are working in the JM studio area
 - e. Adhere to safety measures and proper procedures
 - f. NOT under the influence of medication, drugs or alcohol, or when suffering from lack of sleep
3. Use of the Studio and its power equipment requires you:
 - a. Tie back hair,
 - b. Secure loose clothing,
 - c. Remove dangling jewelry and/or scarves,
 - d. Wear closed toe shoes,
 - e. Wear safety glasses/goggles,
 - f. Wear appropriate proper personal protective equipment,
 - g. Check that all safety guards and tool rests are secure and in place,
 - h. Ensure the work area is clean, dry and the floor not slippery
 - i. Ensure two people, minimum, are working in the JM studio area
4. Jewelry/Metals students are required to have and wear the following personal safety equipment, as appropriate:
 - a. Safety glasses/goggles,
 - b. Personal protective equipment,
 - c. Dust mask,
 - d. Hearing protection (plugs or muff style) and
 - e. Chemical resistant rubber gloves.
5. All accidents, injuries or chemical spills must be reported immediately

Again, no one is to use tools, power equipment or torches in the Jewelry/Metals studio unless he/she has had prior instruction from instructor.



Gas Leaks - In the event that you smell leaking gas, do not turn on lights or operate equipment in that room. Notify a faculty member, TA or person in charge immediately. If unable to identify the source, then notify Security, and Building Coordinator (if during business hrs.) at once.

1. **Fire** - 1. Pull Fire Alarm. 2. Contain or fight fire only if it is possible or practical to do so. 3. Evacuate yourself and others from the area and/or the building.
2. **Medical Injury** - Call Emergency (911) to request ambulance,
3. **Storage and Handling of Acids, Chemicals and Flammable Solvents** –
 - a. Acids, chemicals and flammable solvents all require storage in separate locations in approved containers and cabinets in the Acid Room.
 - b. Handle substances with care observing safety precautions wearing: eye protection, (full face shield), appropriate personal protective equipment, chemical resistant rubber gloves and apron.
 - c. Any mixing of acids and/or chemicals must take place in the ventilated booth.
 - d. All mixtures must be properly labelled and never left unattended.
 - e. When solution is exhausted, package in approved container, label accurately for later pick-up to be coordinated by Jewelry/Metals Operations Head.
 - i. Note: In mixing acids, always add acid to water!
 - f. Aerosol sprays are to be used in vent hood upon clean newspaper.
 - g. Wear appropriate personal protective equipment, safety glasses and clean up after yourself.

All students should note the location of the following:

- First Aid kit
- Fire extinguishers
- Fire blanket
- Safety/Emergency shower



JEWELRY/METALS STUDIO

GLOSSARY OF SAFETY GEAR AND SUMMARY OF AREA SAFETY

Abrasives Area - Use safety glasses and appropriate personal protective equipment when operating machinery and sandblaster. In using grinder, make sure tool rest is tight and secure, and that eye guards are in place. Tie back hair, secure loose clothing and remove dangling jewelry.

Acid Room - Wear safety glasses, (full face shield), appropriate personal protective equipment, chemical resistant gloves and rubber/plastic apron when handling acids and chemicals. (see Appendices).

Buffing Area - Wear safety glasses and appropriate personal protective equipment when using buffing machines. Tie back hair, secure loose clothing, remove dangling jewelry.

Casting Area - Wear appropriate personal protective equipment when mixing investment. Turn on overhead fan during burn-out and casting to vent fumes. Wear medium/dark green filtered glasses when using casting torch to avoid retinal damage.

Electroforming Area - Turn on room fan before entering. Wear safety glasses with splash guards (face shield), appropriate personal protective equipment and rubber gloves when working with the bath. Floor must be dry when working with rectifier and liquids to avoid electrical shock. Rectifier should be turned off when handling anodes or articles placed in the bath.

Enameling Area - Wear appropriate personal protective equipment to prevent inhalation of lead occurring in enamels. Use medium/dark green filtered glasses when placing and removing objects in kiln. Damp wipe all work surfaces when finished.

Power Equipment - (Bandsaws, Disc Sanders, Belt Sanders, Drill Presses, Flex Shafts, Grinder, Lapidary Equipment, Machine Lathe, Power Hacksaw, and Spinning Lathe) Wear safety glasses, tie back hair, secure loose clothing, remove dangling jewelry. Make sure work is held or clamped securely to tool rest or work surface and that blade guards are set as low as possible to accommodate work and protect yourself. If servicing power machinery, always unplug from electrical source.

Torches - Do not attempt to change acetylene or oxygen tanks. Ask an instructor to do this for you. Furthermore, do not use the casting torch unless you have had instruction on the proper procedures for turning on and shutting down tanks.

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