



ENVIRONMENTAL & OCCUPATIONAL HEALTH & SAFETY

Programs & Policies —

LAB AND MAKERSPACE GENERAL SAFETY

Laboratory and Makerspace Safety and Health

A YSU Competent Person* is responsible for ensuring all the students participating in activities follow general safety and health guidelines to reduce the risk of personal injury, property damage or other negative outcomes.

The following items must be addressed and implemented BEFORE activities can begin:

1. Work with chemical or physical hazards (high voltage, mechanical hazards) or any other high hazard work must NOT be conducted alone in any workspace. All high hazard work must be conducted with a Competent Person within site of the activity, in case of emergency.
2. Written safe operating procedures given to students and have them sign that they understand and will comply. Make sure students understand the responsibilities for the safety and health of themselves and fellow students.
3. Emergency Procedures reviewed with students include location and use of spill kits, first aid kits, fire extinguisher training, injury and incident reporting, vehicle accident procedures.
4. Personal Protective Equipment needed for each task; in general, no loose clothing, closed toed shoes, long hair pulled back, safety glasses, Additional PPE needed may include respirators (silica dust or welding fumes), hearing protection, face shield, or gloves.
5. Chemical Inventory and Safety Data Sheets: acids, bases, flammables, hazardous particles (silica, metal fumes, paint fumes) MUST HAVE AN INVENTORY and SDSs immediately accessible.
6. High Pressure or High Temperature: Relief protection, barriers, PPE
7. Machine Guarding: rotating, reciprocating, point of operation, in going nip points, cutting edges. Lockout Tagout with servicing, when changing parts and tools
8. Compressed Gas Cylinders: secured with regulators off
9. Electrical Safety: access to panels/breakers, GFCIs, no damage to cords
10. Waste Management: hazardous waste, universal waste, general house keeping

*Competent Person- One who is trained and capable of identifying existing and predictable hazards in the surroundings, working or location conditions which are unsanitary, hazardous, or dangerous to their group, who has authorization to take prompt corrective measures to eliminate them. They will provide assistance or incident resolution at the scene of an emergency.

