

Safety

Policies and practices

To start being safe you first need read the safety manual

Basics: Maintain a healthy attitude regarding safety.

- When working with mechanics or if you're in the pits you **always** need to have Safety Glasses on or side shields .
- **BE AWARE OF YOUR SURROUNDINGS**
- You **should not** wear open toed shoes in the pit area or anywhere near robots.
- **Do Not** Wear loose clothes/ jewelry near working around rotating machinery or other moving objects.
- Hand protection is designed to protect against heat, electrical, chemical and mechanical hazards so wear gloves to help protect your hands.
- Never use any equipment without safety guards in place.
- Make hearing protection devices available, such as earplugs, where there are objectionable/questionable sound levels
- Soldering: Use lead-free solder only and solder with electrically heated soldering iron/gun only. Solder in well-ventilated areas.**Do not** leave any hot tools where someone can accidentally contact the hot element
- Always wash your hand after working with equipment
- Store sharp-edged or pointed tools in a safe place. When carrying tools, cover the point or any sharp edges with shields. NEVER carry unshielded tools in your pocket. Don't leave tools on overhead work surfaces
- Always use the proper tool for the job. Example: **DO NOT** use a wrench for a hammer or a screwdriver as a chisel
- Make sure all team members are aware that work is being done on the robot
- Any battery that is visibly damaged in any way is dangerous and unusable. **Don't take a chance- don't use it!** It contains stored electrical energy that could cause the battery to rapidly heat up due to an internal electrical short circuit, and possibly explode. 2. The 12V batteries FIRST provided in your Kit of Parts contain sulfuric acid that will burn human tissue on contact. Periodically inspect your batteries for any signs of damage or leaking electrolyte. Remember that a dropped battery may be cracked, but the crack may not be visible and might eventually leak electrolyte. Put on the gloves before handling the battery. Be sure to dispose of all batteries properly and safety. Keep the battery-charging area clean and orderly. Place your battery charger in an area where cooling air can



freely circulate around the charger. Battery chargers can fail without proper ventilation. Cover the terminals with electrical tape.

- Establish a planned, safe lifting procedure of the robot, including cart removal after the lift.
- Inspect your equipment cords and extension cords routinely to ensure they are in good condition. **DO NOT** overload electrical fixtures and/or receptacles. **DO NOT** “daisy chain” – plug a power strip into another power strip. Avoid the following electrical power supply setups to prevent overloading: Extension cord plugged into another extension cord. Extension cord plugged into a power strip. Multi-device receptacle plugged into a power strip or extension cord.
- Children twelve and under must have a person eighteen or older with them at all times. There will be child safety glasses available to borrow and return. Child strollers and baby carriages are not allowed within the individual Pit Stations.
- Securely mount team Pit Station signs, banners, and displays. Be aware of your neighbors. Alert them if there is a hazard in your Pit or near theirs. Maintain a clean, neat, and orderly Pit Station at all times. Remember, there are inspections after teams leave so be sure to do the following: Clean floor in and around your Pit Station, Proper tool storage Proper care of batteries and battery chargers, Tidy storage of personal belongings and equipment

I have read the following safety terms and I agree that I will follow all of the safety procedures:

Signature: _____

