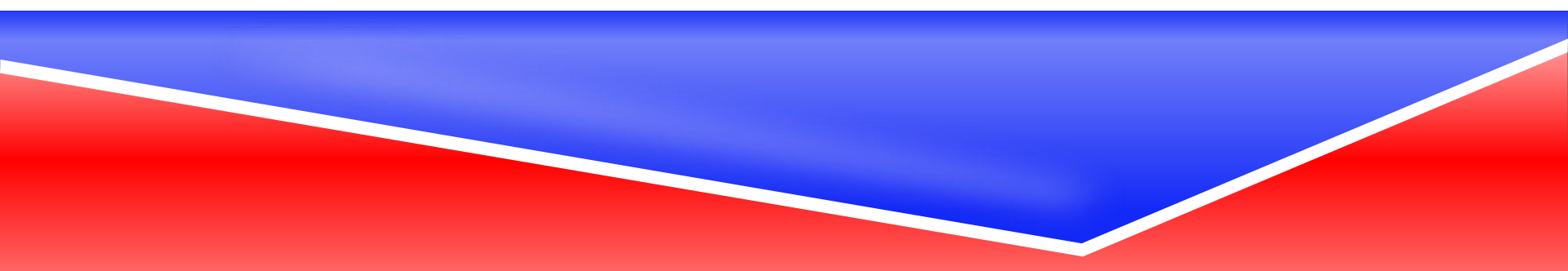


ADAMBOTS SAFETY TEAM 245

Shop and Pit Safety for *FIRST* Robotics





BASIC OVERVIEW

- ▶ Proper Attire in the Build Room
- ▶ Safety Precautions Around the Robot
- ▶ Proper Conduct





EYE PROTECTION/ EYE HAZARDS

- ▶ ALWAYS wear safety glasses in the shop and in the pit areas
- ▶ Be aware of flying objects, particles and dust, harmful light radiation, chemicals, etc.
- ▶ Prescription Glasses may be used if in accordance to ANSI Z87.1 Standards and equipped with side shield





CHECK YOURSELF

- ▶ Only touch what you need to work on in the robot
- ▶ Do NOT be in contact with any of the systems on the robot if the power is on
- ▶ Always have someone else watching you when you're working on the robot
- ▶ Before turning on the robot, someone should always check that all hands are off the robot





DRESS CODE

- ▶ Hair must be pulled back, and long pony-tails should be tucked up in a way that keeps hair from hanging down
- ▶ No loose/ baggy clothing
- ▶ Hoodie-strings must be tucked in
- ▶ Long sleeves must be pulled back
- ▶ Closed-toed shoes
- ▶ No Ties, dangly jewelry, etc.
- ▶ Cell phones must be put away





COOPERATION



- ▶ Rough housing is dangerous and could create distractions or worse
- ▶ Work areas should be kept clean
- ▶ Metal shavings should only be cleared with a vacuum or brush
- ▶ Students should always be able to consult to a mentor for help



USING THE POWER TOOLS

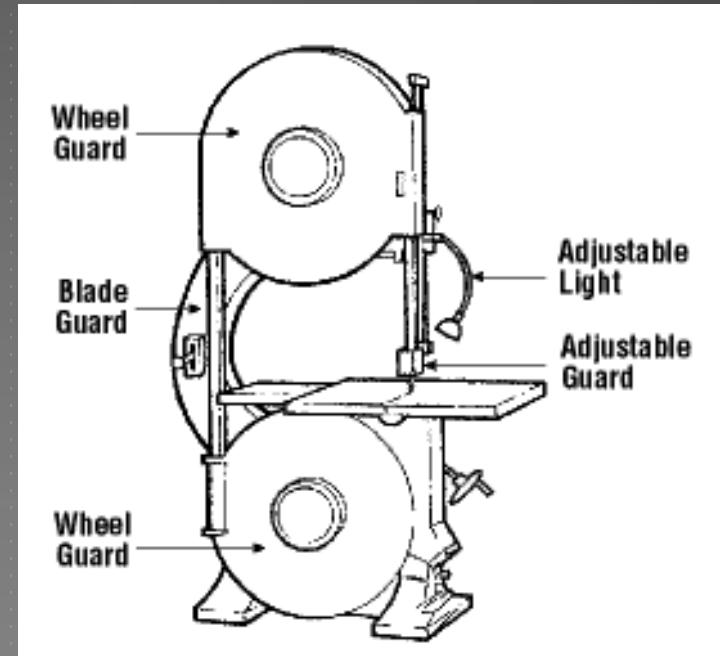


- ▶ **Never Operate Equipment in the shop unless supervised by a mentor.**
- ▶ Do not talk to someone while they are operating a machine.
- ▶ Do not allow others to distract you while operating a machine.
- ▶ Always keep hands out of the path of the cutting surface.
- ▶ Never attempt to measure adjust or change (set-up) while the machine is still running.
- ▶ Create a safety work zone associated with the machine you are operating. Advise others to stay outside of the safety zone.
- ▶ Warn others if you're about to operate a machine



KNOW THE TOOLS AND THEIR RULES

- ▶ Keep hands out of the path of the blade/ drill
- ▶ Secure materials
- ▶ Have the machine running at full speed before starting to cut or drill
- ▶ Make sure machine can be turned off quickly if needed





BE SAFE!

