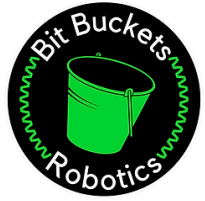


2024 Crescendo Safety Notebook
Bit Buckets Robotics FRC Team
#4183



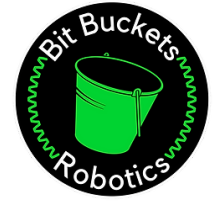


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Personal Protective Equipment (PPE)

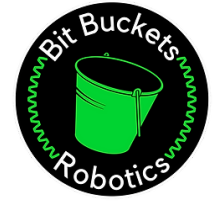
Personal Protective Equipment used to prevent injury. It is used to minimize exposure to various chemicals.

Examples of PPE:

- Gloves
- Goggles
- Safety glasses
- Rubber gloves
- Ear protection
- Helmets
- Closed toed shoes

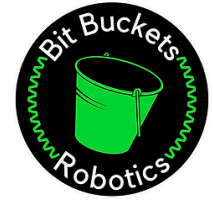
Additionally other ways to protect yourself from injury:

- No loose clothing or jewelry
- No “goofing off” in work areas
- No operating robot with people working on robot
- Enforce safety around working areas and during competition



Safety in Workshop

- If don't know how to operate, don't operate
- Ask for help if unsure
- Work with a buddy
- Wear PPE
- Avoid wearing:
 - Wrist watches
 - Rings
 - Necklaces
 - Loose clothing
 - Scarves
 - Clothes with drawstrings
 - Baggy pants
 - Hair tied up



Robot Safety

Robots and Events

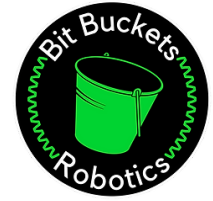
- Before operating on or inside robot, check if disabled or powered off
- RSL - bright orange light on robot
 - Blinking = enabled
 - Solid = disabled
 - Off = robot is off
- Same for other teams' robots

Batteries

- Lots of energy
- Might catch fire
- Don't pull on leads
- Don't puncture
- Don't drop
 - Internal chemical reaction started
- Don't drain
- If rechargeable, charge properly

Properly lifting

- Wide base support
- Lift with legs not back and arms



Competition safety

Pits

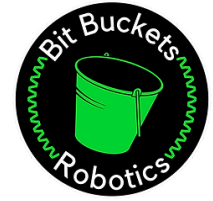
- Wear PPE
- Don't crowd
- Don't run
- Keep pits clean and clear
- Gracious professionalism
- Know where the first aid station is

Arena + Traveling

- Be careful in stands, don't run
- Gracious professionalism, other teams are around

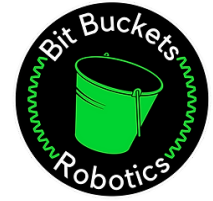
Communication

- Check discord for changes in plans
- Check schedule + info sheet for competition about times and places



Safety Checklist

- Are you wearing safety glasses?
- Is your hair tied back/dangly things out of the way
- Are your shoes close toed?
- Are you wearing any jewelry that might interfere with your safety?



Emergency safety

Fire safety

- Know where fire extinguishers are
- Know what a fire needs
- Using a fire extinguisher
 - Pull
 - Aim
 - Squeeze handle
 - Sweep nozzle
- Know emergency exits

Cuts

- Stop bleeding
- Clean wound
- Cover wound
- Watch for infections

Eyes

- Wash eyes
- Remove any contact lenses
- Don't rub
- Contact 911 or seek medical attention



Summary

Safety is no joke! Stay responsible, and when in doubt, always follow M.I.N.I.O.N.S!



Man bun
fire extinguisher
No "Goofing Off"
Ice
hONeSty

Breakdown:

M: Always tie up your hair! Don't have loose, dangly parts around the robot, as it can get caught in things like gears or small holes!!

I: Know where the fire extinguisher and any other appropriate equipment is located. We don't want bad accidents at competition (or anywhere else)

N: The pit is a place to work on the robot. We are here to have fun while being the best version of a team we can be, but we have to remember that in the pits, we mean business only.

I: If you get injured, make sure to report to the EMT stationed near the front desk. Get a band-aid, ice, or whatever other aid you need to make the injury better.

O.N.S: As a team, both in and out of the pits, we want to make sure everyone is honest and accountable. If you make a mistake, we would rather you tell us than keep it a secret, as this can be worse in the long run. We're here to support each other, so always be honest.