

ROBOTICS SAFETY POLICIES

This a NEW companion document to:

1. Rules and Safety Regulations for NHS FRC Team Use document
2. Contract for usage of Novi High School facilities for Novi High School FIRST Robotics Competition Teams

Note: This document does not need to be signed, or printed, or returned.

Goal of Safety Policies: To protect all robotics participants, students and mentors from the possibility of injury to their eyes and feet. Additionally, to protect against the possibility of injuries associated with entanglement whether from hair or clothing.

General Safety Policy Items

Mentors shall be responsible for ensuring that all participants in their areas are complying with the applicable safety policies outlined in this document.

Any discipline issues shall be handled through policies set forth by the team coaches. All participants, students and mentors shall be given a copy of these policies to read and acknowledge their understanding and need for these policies.

Safety Glasses Policy

Background: The typical eye injury results from the eye being rubbed or abraded by foreign matter, such as metal chips, dirt particles, and splinters, or by these types of items striking the eye. These types of injuries commonly result in surface wounds, such as abrasions, scratches, and embedded foreign bodies (splinters and chips). Some eye injuries are minor, easily treated, and are inconvenient for a short time, others result in permanent damage that the individual must live with the rest of their life.

To be effective in preventing injury, the eyewear must be of the appropriate type for the hazard encountered, and it must be properly fitted. All participants, students and mentors shall be required to wear safety glasses with side shields in any area which presents the possibility of an eye injury. All safety glasses with side shields are required to meet the current ANSI (American National Standards Institute) standard.

Current ANSI standard = ANSI Z87.1-2015

Foot Protection

Background: Slips, trips and falls are a major concern, improper footwear contributes greatly to this. Additionally, by-products of machining and other processes present hazards to feet. In order to provide minimal foot protection, all participants, students and mentors shall be required to wear a type of footwear which completely encloses/ covers the foot.

Entanglement Prevention Policy

Background: Moving and rotating equipment present the possibility of entanglement and minor to serious injury. Loose clothing, jewelry, and hair can result in body parts being dragged into equipment, result in crushing, amputation, and laceration type injuries. In the case of hair, depending where the entanglement occurs it can result in portions of the scalp being ripped from the head and/or facial injuries.

All participants, students and mentors shall be required to contain long hair in a manner which shall prevent it from being entangled in moving or rotating parts of equipment. Possible suggestions include use of hair nets, secure it under a baseball cap, etc. Jewelry which presents an entanglement danger should not be worn to begin with or removed and stored in a safe location.

In addition, any loose clothing which presents an entanglement danger shall be secured. Possible suggestion rolling up loose sleeves, securing clothing with bands or tape, choose clothing which does not present a hazard.