



PearEdge Robotics & Electronics Club (PREC)

Official Safety & Child Protection Plan

This Safety Plan ensures a secure, respectful, and supervised learning environment for all participants of the PearEdge Robotics & Electronics Club (PREC). It outlines our approach to physical, digital, and ethical safety in all club activities, workshops, and projects.

1. Purpose

This safety plan ensures a secure, respectful, and well-supervised learning environment for all students — especially minors. It outlines our approach to physical, digital, and ethical safety in all club activities, workshops, and projects.

2. Child Protection & Supervision

All instructors and volunteers must undergo background checks and child-safety orientation before engaging with minors. Each class maintains a teacher-to-student ratio of 1:10 (maximum) for effective supervision. No staff member is permitted to be alone with a minor in a closed space. Parents/guardians are encouraged to observe or participate in open lab days. Attendance is recorded at every session to ensure accountability.

3. Laboratory & Equipment Safety

Before any practical activity, students receive mandatory safety induction covering:

- Safe handling of electrical components and tools
- Proper use of power supplies and soldering stations
- Wearing safety gear (goggles, gloves, lab coats)
- Emergency stop and first-aid procedures

Equipment is regularly inspected and maintained by the lab supervisor. Hazardous materials (solder, batteries, chemicals) are securely stored and only used under instructor supervision. Fire extinguishers and first-aid kits are available in all labs.

4. Digital & Data Safety

Students are educated on responsible digital behavior, including:

- Online privacy and data protection
- Safe use of internet-connected devices
- Ethical use of AI and robotics data

All student data (photos, projects, contact information) is stored securely with parental consent. Online sessions use approved and monitored communication platforms.

5. Emergency Procedures

Clear emergency exits and safety signs are displayed in every learning area. A first-aid responder is present during all hands-on sessions. In case of accidents, incidents are recorded in the Safety Incident Logbook, and parents are immediately informed. The nearest hospital or emergency contact is listed visibly in the lab.

6. Ethical and Inclusive Environment

The club promotes respect, inclusion, and collaboration. Bullying, harassment, or discrimination are not tolerated. Students are encouraged to report safety or ethical concerns confidentially to the program coordinator.

7. Review and Compliance

The safety plan is reviewed annually and updated according to national and international child-safety and STEM-lab guidelines. The Club aligns with UNICEF's Child Protection Standards in Education and the British Council STEM Safety Guidelines for minors.

8. Parental Engagement

Parents receive a Safety & Consent Handbook before program enrollment. Periodic Safety Awareness Sessions are held for parents and guardians. Parents are informed of project types, materials used, and supervision procedures.

Approved by:

Club Coordinator

Date: _____

Reviewed annually by the Club Coordinator and Safety Officer — © PearEdge Robotics & Electronics Club (PREC)