



## **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:**

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Club Coordinator

Date: \_\_\_\_\_

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