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What is Robot Safety

Understanding Robot Safety: Keep Kids and Robots Safe!

DEFINITION

> Robot safety means ensuring that robots operate safely around people, especially children. It involves rules and practices to prevent accidents and injuries.

KEY CONCEPTS

Safe Distance

Always keep a safe distance from moving robots to avoid accidents.

Emergency Stop

Know how to quickly stop a robot in case of an emergency.

Proper Supervision

Always have an adult supervise when kids are working with robots.

Robot Behavior

Understand how robots behave to predict their movements and actions.

Safety Gear

Wear protective gear, like goggles, when working with certain types of robots.

EXAMPLES

→ Keeping a 3-foot distance from a moving robot.

→ Using the emergency stop button when a robot malfunctions.

→ Wearing goggles while programming a robot that uses lasers.

MEMORY TIPS

★ Remember 'D.O.S.E.' for Distance, Observe, Stop, and Equipment.

★ Think of robots as pets: they need supervision and space.

★ Use the phrase 'Safety First' to recall the importance of safety measures.

COMMON MISTAKES

✗ Ignoring safety guidelines while programming robots.

✗ Standing too close to a robot during operation.

✗ Not knowing how to use the emergency stop feature.

QUICK RECAP

Robot safety is crucial to prevent accidents when kids interact with robots. Always maintain a safe distance, know how to stop robots in emergencies, and ensure proper supervision.