Checklist: setting up for success with your Edison robot

These critical steps and quick references will help you to set up your Edison robot for success each and every time!

Edison basics

	Batteries: Use fresh, full batteries. Only use regular disposable alkaline batteries or nickel metal hydride (NiMH) rechargeable batteries. Never use super heavy duty or heavy-duty batteries. Make sure the batteries are inserted correctly.
	EdComm cable: The cable initially comes in the battery compartment of Edison. Be sure to push the cable fully into the audio jack on your programming device.
	Paper: Do not use glossy paper and only ever use matte-finish lamination. This is especially important for barcodes and line tracking.
	Disable sound enhancements: Turn off sound enhancements on any Windows computer before programming with Edison.
	Set volume to maximum: Confirm your device's volume is all the way up when programming Edison. Double-check the volume after you plug in the EdComm cable.
	Avoid sunlight: Sunlight confuses Edison's sensors. Avoid using the robot in bright, direct sunlight.

Sensors and programs

	Barcodes: Print barcodes on non-glossy paper and only use a matte-finish lamination if laminating. Make sure Edison's skid is in before reading barcodes.
	Line tracking programs: Always start Edison on the white surface, never on the black surface.
	Detecting lines: Use dark (e.g. black) lines approximately 1.5cm (0.6 inches) wide on a very reflective (e.g. white) background.
	Obstacle detection calibration: Adjust Edison's obstacle detection with the obstacle detection barcode. See EdBook 1 for detailed instructions.
	Detecting obstacles: Choose obstacles that are opaque but not too dark (e.g. not black) and at least as tall as Edison.

Programming languages

	Barcodes: Appropriate for ages 4+. No prior experience with programming or robotics is assumed or required. https://meetedison.com/robot-activities/youre-a-controller/
	EdBlocks: Best suited to students aged 7 to 12 years old. No prior experience with programming or robotics is assumed or required. www.edblocksapp.com
	EdWare: Best suited to students aged 11 to 13. A basic understanding of programming fundamentals may be helpful. www.edwareapp.com
	EdPy: Best suited to students aged 13 to 16 years old. A basic understanding of programming fundamentals may be helpful. www.edpyapp.com