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 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.

- [ ] **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 https://meetedison.com/obstacle-detection-calibration/ 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.