



Edison Bot Maze Challenge: 3rd Grade Computer Science Lesson Plan

Overview: In this challenge, students will program the Edison Robot using Edscratch to drive a maze.

Introduction to Edison Bot's

Watch [the video on this page](#) altogether. This video gives an overview of the EdScratch programming interface (very much like Scratch) and shows students how to load program on their Edison Bot.

You might want to give students some time to tinker around/explore to learn how to control Edison before giving them the upcoming challenges. You could take an entire work period just to explore what you can do with Edison, and allow students to share what they were able to do.

[Click here to view to Maze Sequence Challenges](#) - You will need to print, at the very least, pages 4-5, or feel free to print the whole packet for students.

In this activity guide, students will:

1. Drive Edison on a straight track.
2. Drive Edison on a short, simple maze.
3. Tackle Bonus Challenges: Mirror Maze, backwards maze, create your own mazes and challenge your friends.

Debrief/Reflection

Bring students together and discuss the following, either in small groups, as a whole group, or individual reflections in Seesaw.

- What was the hardest part about programming Edison? How did you overcome these challenges?
- How does programming a robot relate to skills you might need in a career?
- What skills from Scratch did you use from programming Edison?

