

Maze Robots

Students can use the knowledge they have gained from building robots in Lesson A.A.3 to make robots that can move through a maze. They will need to build robots that know how to turn and not bump into walls.

First, they will need to build a maze using blocks, books, cardboard boxes, or whatever materials you might have available. Keep this simple; it can get more complicated once the students have success with building the robots.

If you want, you can add in extra challenges such as the robot must drive without the student touching it, or it must drive in the dark.



https://youtu.be/_6dq-6eHgH8

You could have a contest and set up identical mazes and see which team can construct and move a robot through the maze first.

In the end, you could have students share their robots and test them out in different teams' mazes.