

# Ozobots Classroom Kit

**Difficulty:** Easy, but modifications may be needed for colorblind students.

**Overview:** Ozobots are walnut sized robots that can follow lines drawn with markers and can be given commands through color codes.

**Number of Students:** 18-36, we have 18 Ozobots and sets of markers; however, any brand of markers can be used as long as you have black, red, green and blue.

**Example Lesson (time: 40-60 minutes):**

Have the students create a course for their Ozobot. It must be a loop or rectangle that goes around the paper, leaving at least 1inch of paper between the line and edge of paper, and have a line that crosses the center. Students can use any codes they want, but the Ozobots are not allowed to cross that center line.

Students will most likely neglect to use the codes to give directions at intersections in favor of the cool moves. Ask for their attention and see which groups have success with their Ozobot never taking the center line. Highlight the importance of giving the Ozobot clear instructions and directions, then do our follow up activity of guiding the Ozobot through a maze.

