

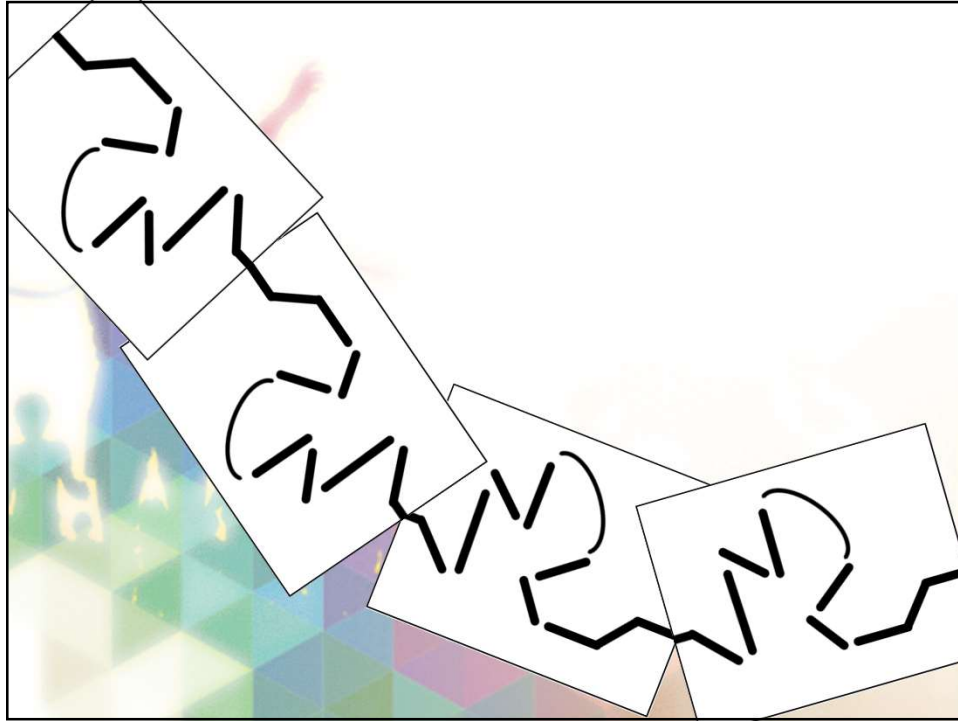


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A slide with the same background as the first slide. The text "Your mission" is centered at the top. Below it is a bulleted list. At the bottom center is a square box containing a simple line drawing of a maze path.

- Your team will build one piece of a maze.
- All pieces will be attached together to make a big course

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## Rules

- Your course must have an entrance and exit on different sides
- If course crosses itself, it must cross at angle of 90 degrees
- Two different parts of the course must not get too close
- Must use guides to ensure course is fair
  - Sharpest corner
  - Minimum distance between separate paths
  - Widest gap
- Must always have a single path
  - (small split lines ok as long as both are max width of sensors)
- You can only practice on your own course, or the example ones. You cannot test classmates' courses.

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## Timeline & Scoring

You will have one day to plan out your course on a piece of paper

- You must have your final design approved!

You will have two days to build your course using vinyl tape on your dedicated contest paper

### Scoring

-5 Unable to do own course

+1 Successful traverse another course in one direction

(The point of this exercise is to really learn how to code our robots! In prep for the test end of next week)

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## Tips & Tricks

What makes a course hard to navigate?

- Think of the way you have coded your robot...
- Weird off center path connections...
- Random distractions
- Really hard corners
- Be sure that each difficult element occurs in both left and right circumstances...
- **HAVE FUN!**

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