

Name: _____



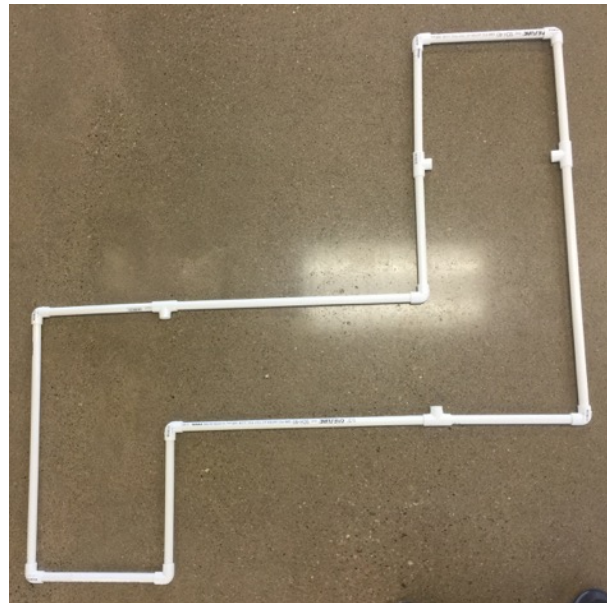
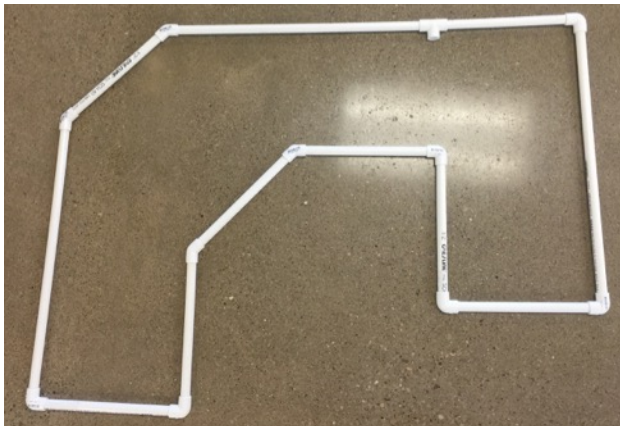
01

MOVEMENT FINAL

1. Open Lego Mindstorms
2. Click File → New Project → Program.
3. Click File → Save Project As → Computer → your name → file name {Name Movement Final} . For example, it would say "Hill Movement Final"
4. After saving your project create programs within this project by clicking the + next to Program tab (NOT THE + NEXT TO THE PROJECT!!). Name the programs:
Maze 1 Maze 2 Maze 3
4. Since the project is already named at the end of every class you will click FILE → SAVE PROJECT NOT FILE → SAVE PROJECT AS

CHALLENGE 1: Get your robot to travel through a maze

If the maze is not created, get the materials and create one of the mazes shown. Then using any of the commands you have learned so far, get the robot to travel from the start to the finish.



CHALLENGE 2: Get your robot to travel through a maze

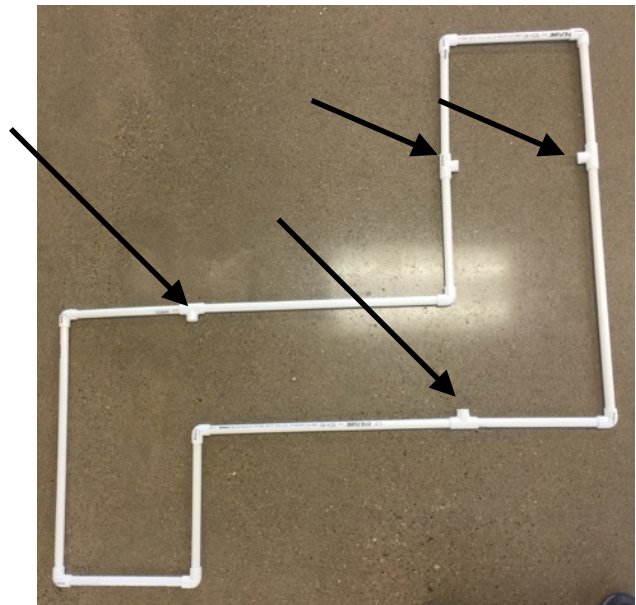
Choose the other maze (the one you did not do in Challenge 1). Now try to do the maze using one or more of the following extra “rules.”

- Try to do in less than 10 seconds
- Use only Tank Blocks
- Do it backward

- Try to do it in exactly 30 seconds
- Use only Precise Turns
- Do some forward and some backward

CHALLENGE 3: Get your robot to travel through a maze

Time for the golf balls. Go get different color golf balls from the storage. Use the maze you see below, turn up each t-connector. Put one golf ball of each color in the maze at these 4 spots. Go ask Mr. Hill what order you need to knock them off in.



CHALLENGE COMPLETED

