

FLL Curriculum - Ontario

Record	
Centimeters robot traveled in 1 second (grid size)	~15 cm
Number of rotations/seconds you needed to turn 90°	~1 sec or 0.3 rot

Questions	
Question 1 Coding	What challenges did you have to overcome to have your robot arrive at the coordinate accurately?
Sometimes the robot drifted a bit to one side. After a while, the grids weren't exactly one second a part so it went of course.	
Question 2 Coding	Was anything difficult about turning exactly 90°? Why did you choose to use rotations vs seconds or vice versa to control your motors.
We found seconds easier to guess with or (Rotations were more precise)	
Question 3 Math	If you were to use larger wheels, what would change about the grid that you set up?
The grid would become larger as the robot would drive farther in a 1 second interval (as per the instructions).	
Question 4 Coding	Can you think of a better system for explaining the location of any object than the x,y coordinates? If not explain why, if so, share it below.
Question 5 Math	Research and write a short summary of an important use for coordinates.
Lines of longitude and latitude (and GPS) Video game screens Street intersections Graphs and charts	