

Name: _____

01

MOVE STEERING 3 - TIME

1. Open Lego Mindstorms
2. Click File → New Project → Program.
3. Click File → Save Project As → Computer → your name → file name {Name Move Steering 3}. For example, it would say "Hill Move Steering 3"
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:

Recreate	25 cm	200cm.75
50.5	time.degree.rotate	
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: Recreate

The first green block makes the robot....?

What does the second green block do?

The third green block makes the robot....?

Look closely. What did the Robot not stop suddenly at the end

CHALLENGE 2: Using TIME only, create a program that will make your robot travel 25 cm

Once you get your robot to travel exactly 25 cm, determine how much time it would take to travel.....
(Show your work using proportions)

50 cm

120 cm



CHALLENGE 3: Create a program to make your robot travel 200 cm at 75% power

How much time did you program? Why? Prove it using math

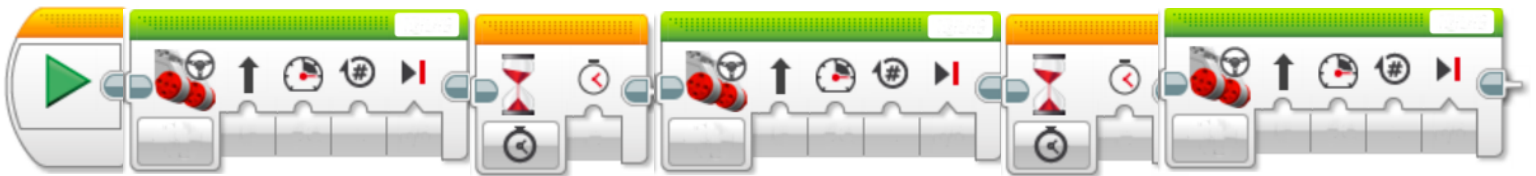
CHALLENGE 4: Create a program that will have your robot travel 50 cm but take 5 seconds

Since you are using time here, you will need to adjust the power. What power did you end up using?

Using proportions, at this power determine how long your robot would need to travel 120 cm at this speed. Write your program to test it.

CHALLENGE 5: Create a program that travels forward using time, backward using degrees and forward using rotations, all to end at the same spot you started.

Write you coding in the Blocks below



CHALLENGE COMPLETED

