Building a basic EV3 Robot

https://goo.gl/Y3Xlzy
Right Motor

1. [Image of the Right Motor with pieces labeled: 4x, 1x, 8]

2. [Image of the Right Motor with pieces labeled: 2x, 3, 1x, 1x]

3. [Image of the Right Motor with pieces labeled: 1x, 1x, 1x]

4. [Image of the Right Motor with a tire and a wheel attached]
Back Castor Assembly
Assemble parts
Attach Brick
Connect Cables

Left Motor - B

Right Motor - C
Programming - moving and steering

Open the Lego EV3 Programming App

Assemble the code blocks as presented on the following page
EV3 Software

Drag a “move steering” block onto the workspace and hit “play”

Change values and see their effect.

Add more block to complete more complex moves.
Challenges

1. Move robot from a starting line to a finish line (Tape-to-Tape)
2. Construct and maneuver through mazes made of PVC tubing.
Challenges
Introduce the loop command

Challenge - program robot to follow the perimeter of a 30 cm square.
Using sensors

https://goo.gl/js4aSg