

EXPERIMENT 2. Mark a distance of 20 cm. Use a stopwatch to measure, how fast the robot travels this distance at speed 3. Guess, how fast would the robot travel 40 cm. Experiment.

Look at the solution: <https://www.youtube.com/watch?v=shA2TWQ23r0>

In the last experiment it turned out that at speed 1 for 3 seconds the robot travels about 20 cm. Hence we can assume that at speed 3 the robot travels the same distance faster than 3 seconds, for example 2 seconds. Mark a point 20 cm from the start position.

- Make a program that consists of:
 - 1) A motor movement block;
 - 2) A motor speed block that is set to speed 3;
 - 3) A motor timed movement block set to 2 seconds.
- Place the robot in the starting position and run the program. Measure the time it takes the robot to pass the 20 cm marker. The result is about 2 seconds.
- Change the motor timed movement block's amount of seconds to 4.
- Place the robot in the same starting position and run the program. The robot moves roughly 40 cm.

