

Activity One. 50 cm and no more

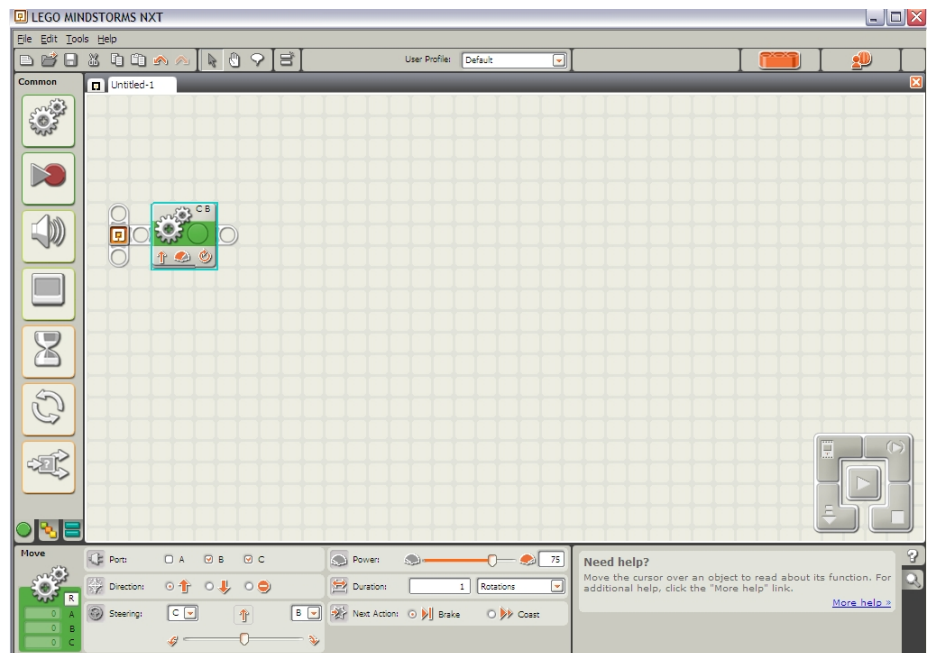


Task Outline:

Program your robot to move exactly 50cm from the start line to the finish line.

This task is a straight forward movement that requires you to move your robot exactly 50cm in a straight line. To complete this task you need to understand the programming interface for the Lego ®NXT robots.

Key to solving this problem are understanding the Motor and Sensor connections and correctly selecting appropriate motors and setting for them.



The Motor Control pane (right) allows the user to select one or more motors and control the attributes of each.

Learning Outcomes:

- Develop familiarity with programming interface.
- Create, save, upload and execute programs.
- Manage memory on NXT robot.
- Apply mathematical principles to calculate distance.

Hint:

The radius of the wheels on the NXT robots is 18mm

