

# Proportional Control - RCX

## *Suggested Time*

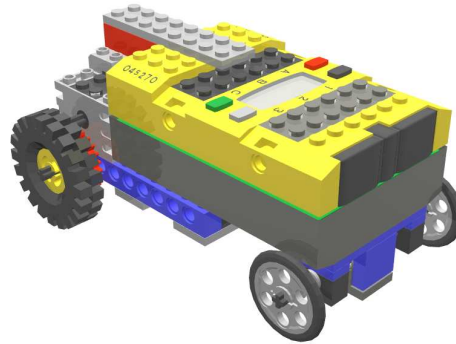
60 minutes

## *Age*

11 - 18

## *Challenge*

Program a car equipped with a rotation sensor to return to its original place no matter how far it is rolled away from the origin. Attain this goal by using both on-off control and proportional control.



## *Topics*

On-Off Control and Proportional Control

## *Subjects*

Math, Science & Engineering

## *Programming Themes*

Forks and Containers

## *Materials*

- RCX
- Rotation Sensor
- Assortment of LEGO Pieces

## *Building Instructions*

1. Build an RCX car equipped with two motors and a rotation sensor.

