

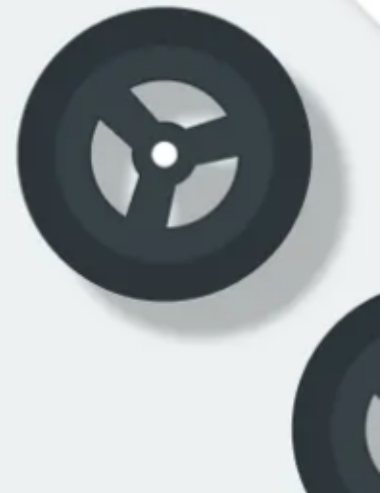
# Más ejemplos

Los puedes encontrar en <https://courses.arduino.cc/explore-robotics-micropython/>

INTERMEDIATE (AGE 12+)

## Hello, javierquintana!

Start an immersive educational experience with a sophisticated robot that combines power, precision, and versatility, enabling hands-on exploration of the core principles of programming and robotics.



### Getting Started

2:0 HOURS



#### Ready, Set, Code

Initial setup and hands-on projects to bring your Alvik robot to life.

🕒 2:0 hr

### Motion and Turning

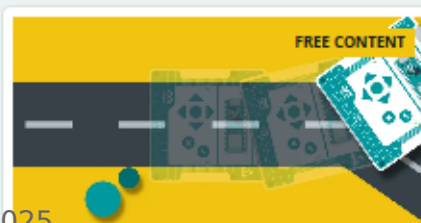
5:0 HOURS



#### There and Back Again

Precisely control the forward and backward movements of your robot.

🕒 1:30 hr



#### Perimeter Scout

Accurately control turning angles to navigate perimeters.

🕒 1:30 hr



#### Obby Course

## Automation




11:0 HOURS




### Robot Dozer

Simulate an automated dozer using the time-of-flight sensor.

 1:30 hr


### Need...More...Power

Regulate your robot's speed as slope angles change.

 1:30 hr


### Colorful Reactions

Trigger actions using data from the RGB color sensor.

 3:0 hr


### Walk the Line

Stay on track using the line follower array of sensors.

 3:0 hr

### Follow the Leader

Program Alvik to intelligently respond to your hand movements.

 2:0 hr

## Extended Projects

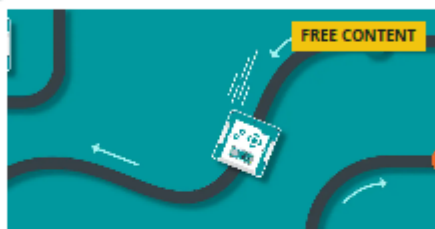
8:0 HOURS



### Escape Room

Your robot is trapped and only you can help it escape.

🕒 4:0 hr



### Smart Highway

Build an automated highway of the future.

🕒 4:0 hr

## MicroPython 101 Course



### MicroPython 101 Course

Learn MicroPython and Arduino through a series of learning chapters with practical exercises.

## Access more courses

With the **School Plan**, you will be able to **unlock more content** and continue learning about new and exciting subjects.



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