

# Let's download a program

Now that you know about Edison and EdBlocks, we can use EdBlocks to tell Edison what to do. To do this, we need to download a program onto Edison.

On your computer, go online to

[www.edblocksapp.com](http://www.edblocksapp.com)

This time, we are going to load a program that has already been made. Once you know how to download a program, you can start to make your own programs.



## Step 1: Check the computer

Make sure the volume is turned up all the way on the computer.

## Step 2: Open the EdBlocks app

Go to [www.edblocksapp.com](http://www.edblocksapp.com)

## Step 3: Select 'Menu'

After opening the app, look in the top left corner. Click on the Menu button.



## Step 4: Select 'Load Demos'

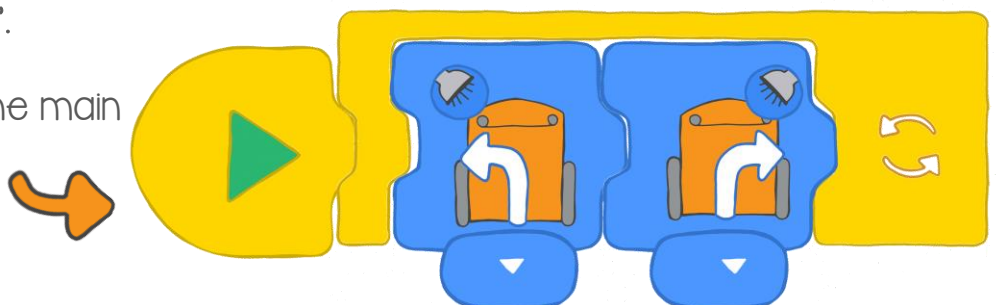
Scroll down and find 'Load Demos' in the list. Click on Load Demos.



## Step 5: Select 'Follow torch/flashlight'

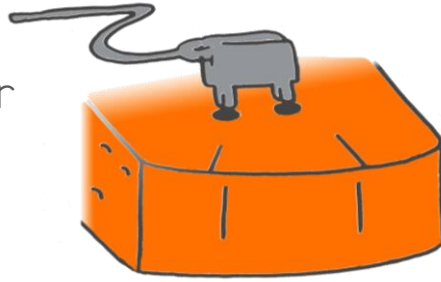
Find and click on the program called 'Follow torch/flashlight'.

A program will open in the main screen. It looks like this:



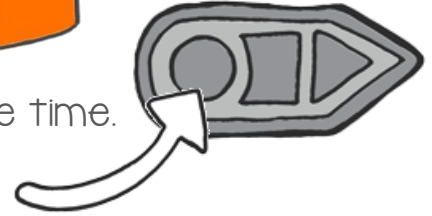
### Step 6: Plug Edison in

Connect Edison to the computer with the EdComm cable.



### Step 7: Get Edison ready

Push the record button (round button) on Edison one time.

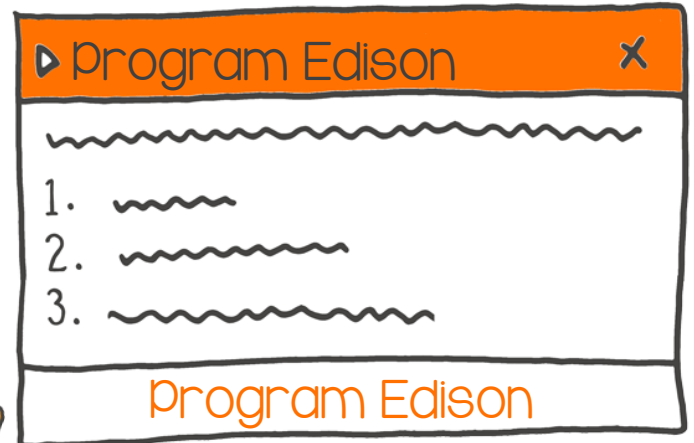


### Step 8: Program Edison

Look in the top right corner of the app. See where it says 'Program Edison'? Click on Program Edison.



A new pop-up message box will open.



In the bottom of the box, click on Program Edison.

You will hear the program being downloaded to Edison. Once it is done downloading, Edison will beep. Don't unplug Edison until you hear the beep!

To run the program, unplug Edison, then push the play button (triangle button).

### Activity

Let's take Edison for a walk in the dark.

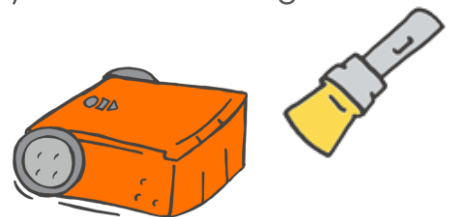
Get a torch ready and put Edison on the floor.

Press the play button (triangle button). Turn the lights off in the room. Now, shine the torch at Edison.

Edison will drive around following the light of the torch. Take Edison for a walk in the room.

Can you make Edison do tricks?

Try to make Edison turn around or do a spin!



# Let's drive

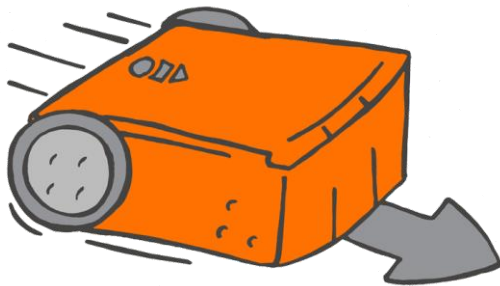
To use EdBlocks to program Edison, you need to use the EdBlocks app. Go to the app online at [www.edblocksapp.com](http://www.edblocksapp.com)

## What to do with EdBlocks

We can program Edison to drive forward for a set amount of time using EdBlocks.

Using the EdBlocks app, find the block to make Edison drive forward for a set amount of time.

You can change the amount of time by clicking on the number box and typing in the time you want.



## What to do with Edison

Let's get Edison to drive forward on the track on the next page.

How long will it take Edison to drive the track?

Write a program for Edison using EdBlocks. Download the program to Edison, then put Edison behind the start line.

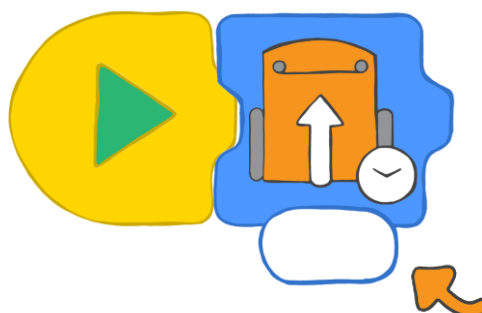
Can you make Edison drive from the start line and stop driving after crossing the finish line?

Try changing the amount of time in EdBlocks to get Edison to drive the track.

## Find the answer

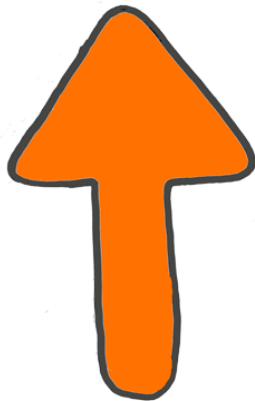
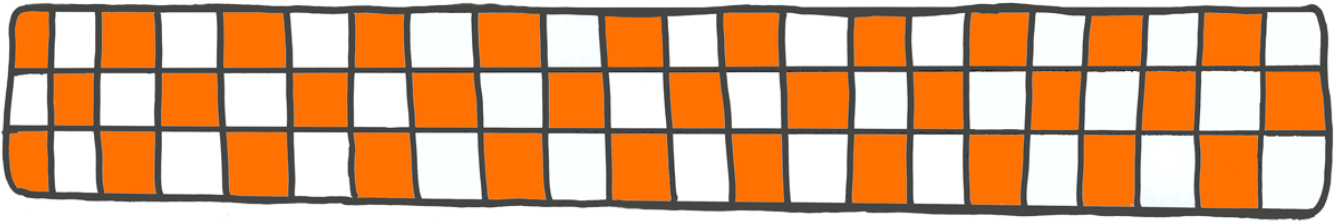
How many seconds did it take Edison to travel from the start to the finish?

Write your answer in the time box of the block below.



Write your result here.

FINISH LINE

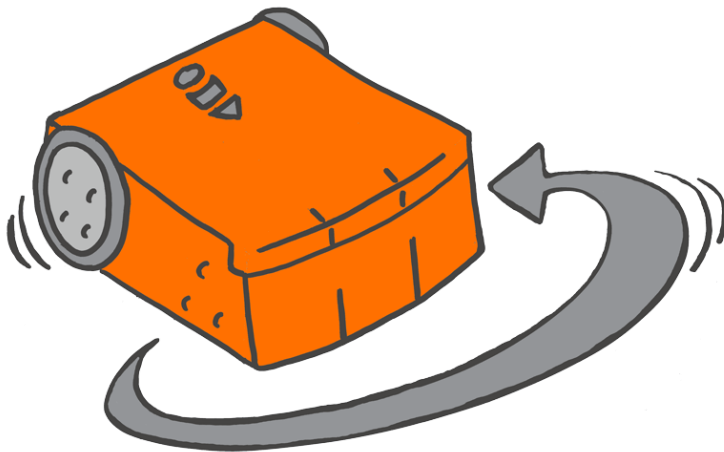


START LINE

# Let's turn

To use EdBlocks to program Edison, you need to use the EdBlocks app. Go to the app online at [www.edblocksapp.com](http://www.edblocksapp.com)

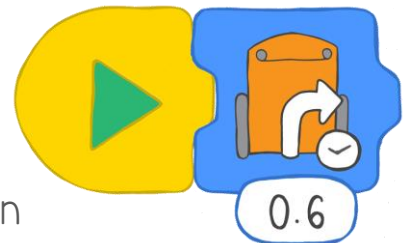
Using the blocks in EdBlocks, we can program Edison to turn left or right.



## What to do with EdBlocks

We can program Edison to turn left or right for a set amount of time using EdBlocks.

Using the EdBlocks app, find the block to make Edison turn right for a set amount of time.



You can change the amount of time by clicking on the number box and typing in the time you want.

Can you also find the block to program Edison to turn left for a set amount of time?

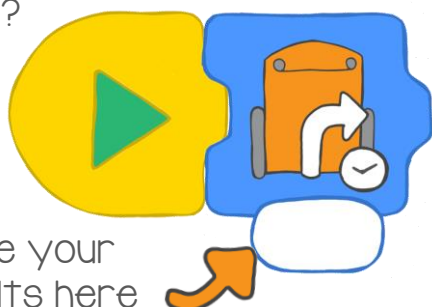
## What to do with Edison

Let's get Edison to make some turns using the roads on the next page. How long will it take Edison to make the different turns?

Program Edison using EdBlocks. Then, put Edison on the road to test your program. Try changing the amount of time in EdBlocks to get Edison to follow the arrows and stop at the finish line.

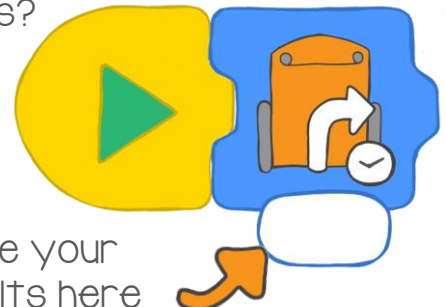
## Find the Answer

1. How many seconds does it take to get Edison to turn right 90 degrees?



Write your results here

2. How many seconds does it take to get Edison to turn around 180 degrees?



Write your results here