Let's follow a line

Name _____

Remember Edison's tracking sensor?
It is the sensor that lets Edison see the difference between dark and light surfaces.

We can make a program that uses the tracking sensor to tell Edison to drive along and follow a black line.
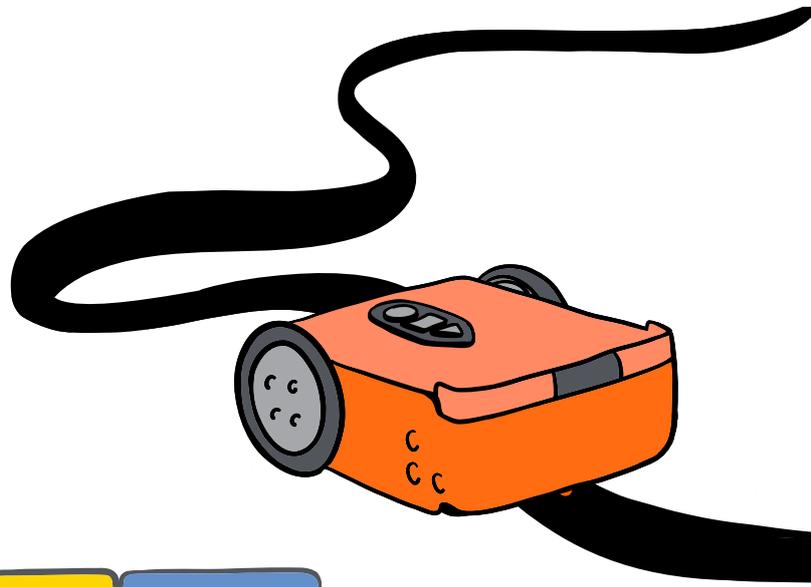
What to do with EdBlocks

Using the EdBlocks app, arrange the blocks to match the program here:

This program tells Edison to travel along a black line. You can change how many seconds Edison will follow the line.

You can also change the speed that Edison is driving. You can choose slow, normal, or fast.

Now, make a program with a speed control block and the follow the line block.

Set the time for however long you like.
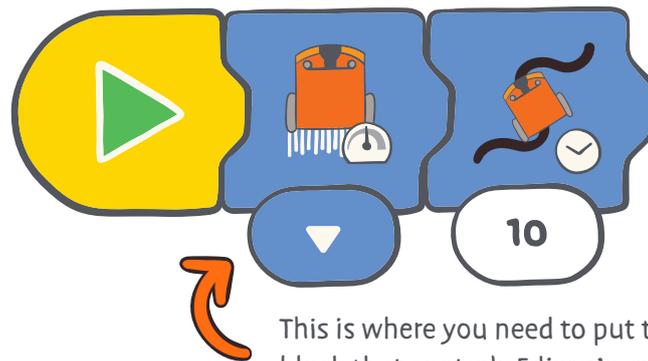
This is where you need to put the block that controls Edison's speed.

What to do with Edison

Create your own track for Edison to travel along. Use a large piece of paper and black paint, marker or tape to make a line for Edison to follow. The track line needs to be a dark colour and at least 1.5 cm wide.

Download your program to Edison.

Put Edison next to your track and run the program by pressing the play (triangle) button.
Now try using a different speed block in your program. What changed? _____
_____
_____

Find the answer

1. Which block makes Edison drive at the fastest speed?
   Draw that block into the program.

2. How long did you have Edison follow a line?
   Write your time into the program.

3. Think about how Edison drove on your track.
   Did your track give Edison enough space to run your program?
   How could you make your track or your program better?

_____
_____
_____