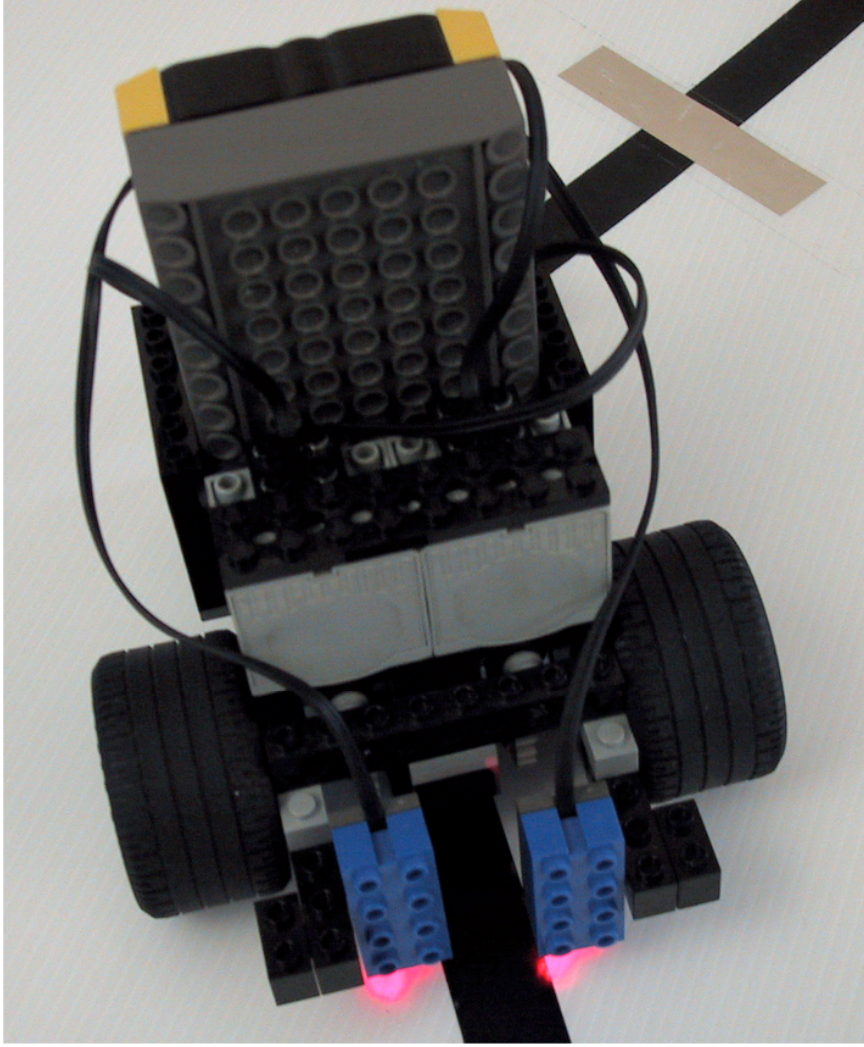


# line buggy



# Line Buggy <sup>v2</sup>

*Your problem is to program the buggy that so that it can make its own way along the black line.*

## part 1

- load the project **line-buggy**
- put messages into the actors called forward, backwards, left and right that will make the buggy move
- each actor should just **start** the buggy moving in the correct direction
- click on the right sensor and move the slider so that it sends a message as it moves on to the black line
- do the same for the left sensor
- you have to program the buggy so that it will follow the line
- your program will go into the actors leftOnLine and rightOnLine
- these actors should **only** send messages to the forward, backwards, left and right actors

## part 2

- can you make the buggy **stop** when it crosses the silver foil?
- can you make the buggy **turn around** when it crosses the silver foil?

## part 3 (difficult)

- load the project **line-buggy version 2**
- put messages into the actors called forward, backwards, left and right
- program the buggy to follow the line without using any more actors (or changing the other actors)
- **hint– the sensors can send messages when they go ON as well as when they go OFF**
- is this new program better- how could you compare it with the old one?