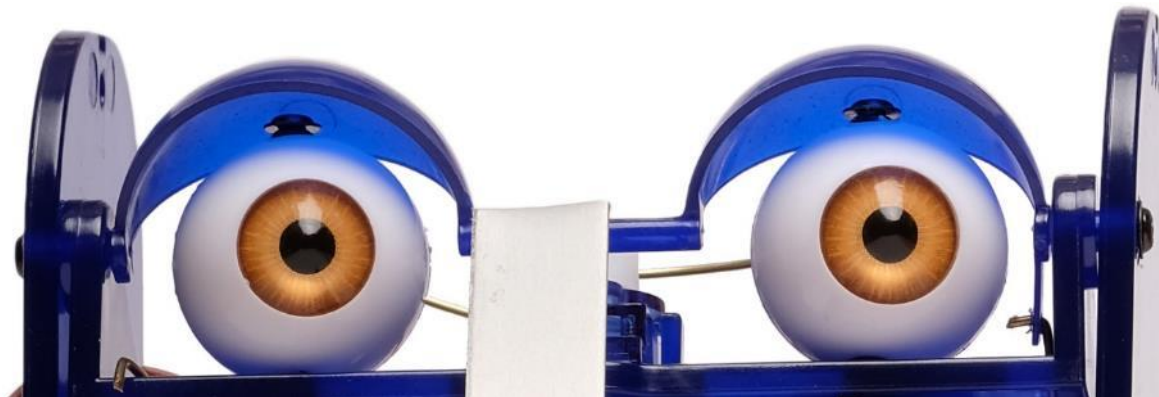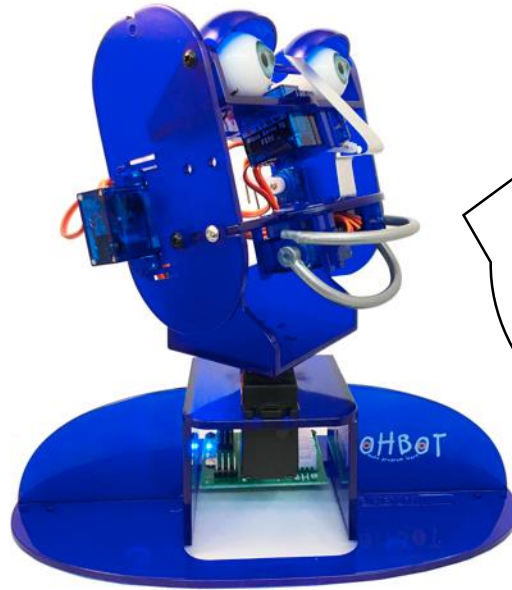# Rap Bot

🏠 Chatterbots

In this project you'll learn how to code an Ohbot to perform a rap.

> Robot Ohbot
> Robot Ohbot
> Robot Ohbot
> Cool Cool Cool
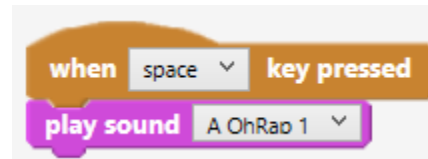
We've split the project into steps:

Step 1: You Rap
Step 2: Ohbot Raps
Step 3: Change the words
Step 4: Dance moves
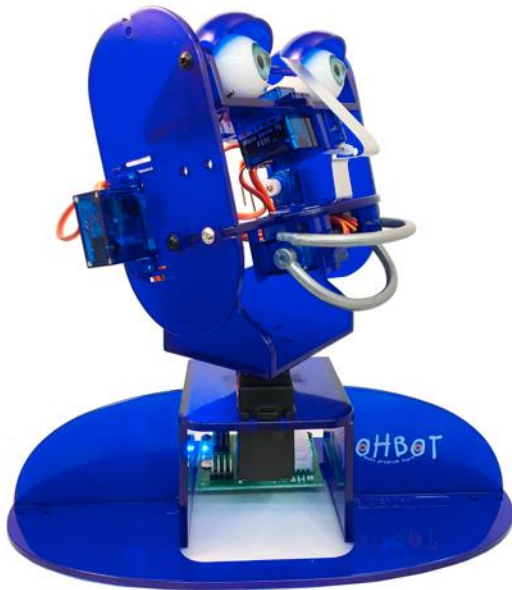Step 5:
Step 6:
Step 7:
Step 8:

Can you rap to the beat

when [space ⌄] key pressed
play sound [A OhRap 1 ⌄]

Can you rap these words to fit the beat?

robot   fusspot

robot   fusspot

robot   fusspot

oh oh oh oh

when [space ▾] key pressed
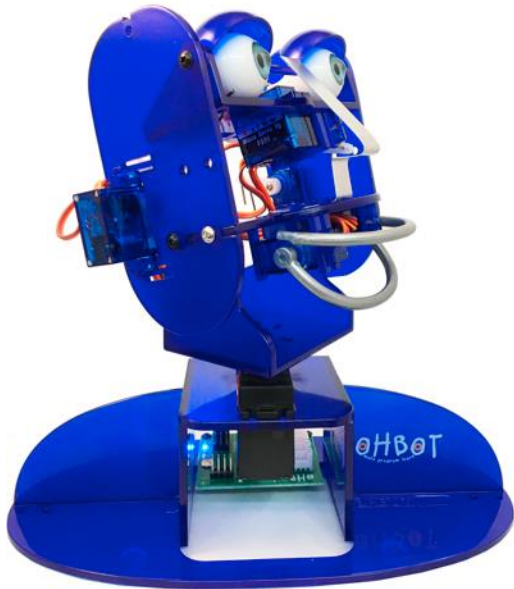play sound [A OhRap 1 ▾]
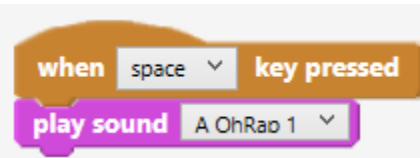
Can you rap these words to fit the beat?

Robot Ohbot

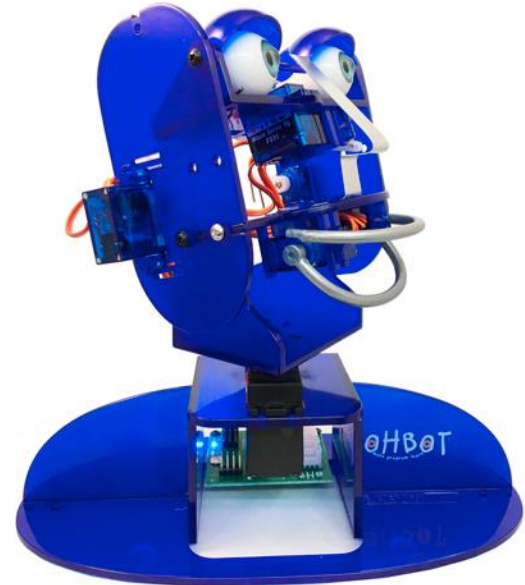Robot Ohbot
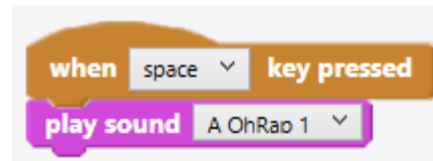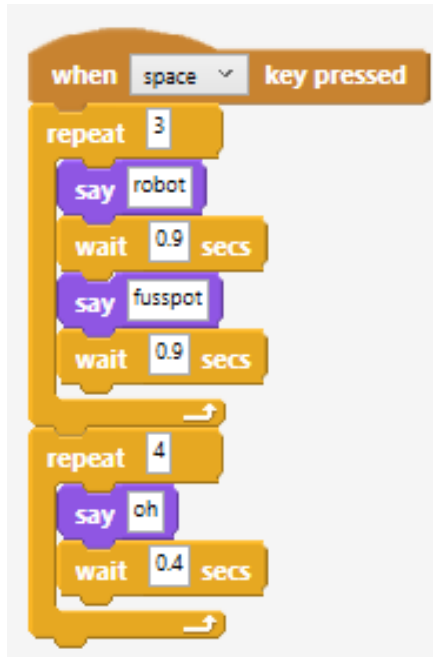
Robot Ohbot

Cool Cool Cool Cool

4

Ohbot raps to the beat

Go to file click Add and select the file OhRapper. This has added some more code to the program

Click space to see Ohbot have a go at the rap.

```
robot   fusspot
robot   fusspot
robot   fusspot
oh oh   oh oh
```
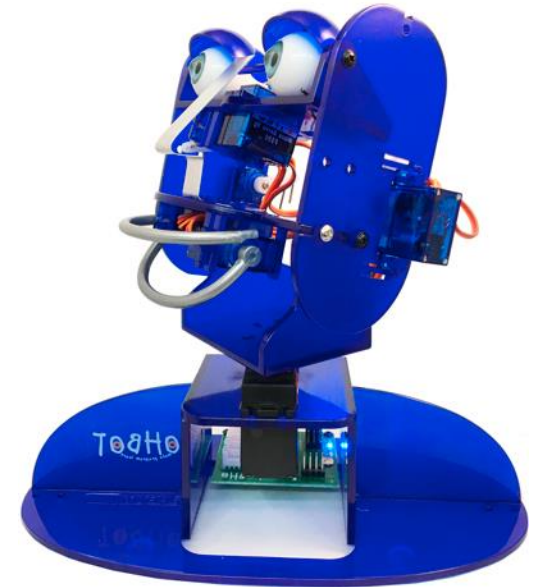
Can you see how the program works?

🏠 Change the words
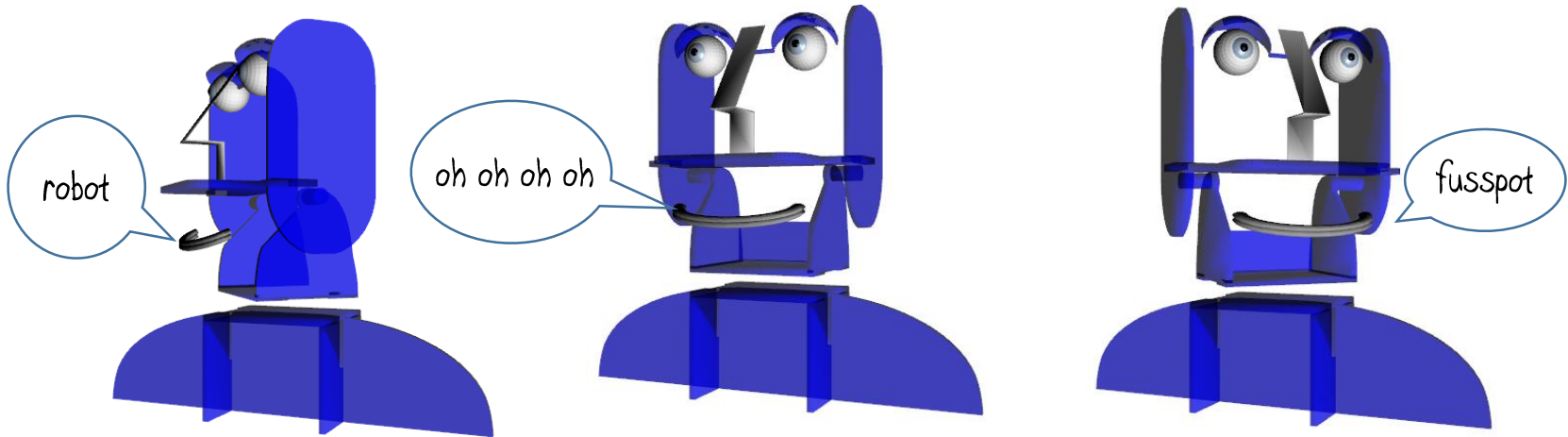
Let's get Ohbot rapping your words.

Let's Dance with key presses!

robot

oh oh oh oh

fusspot

| when | left arrow ∨ | key pressed |
| set | HeadTurn ∨ | to 0 |

| when | down arrow ∨ | key pressed |
| set | HeadTurn ∨ | to 5 |

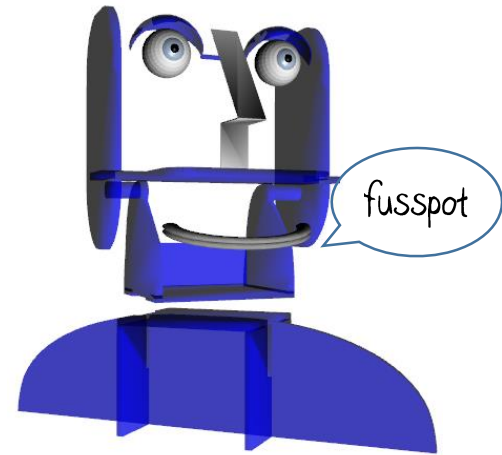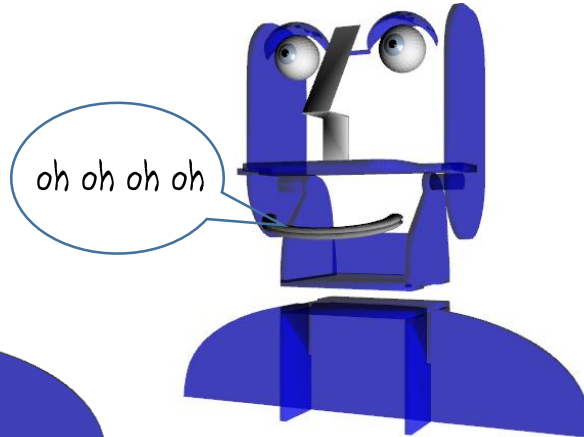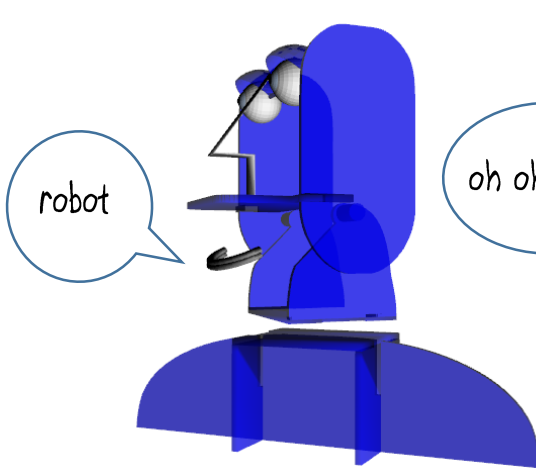| when | right arrow ∨ | key pressed |
| set | HeadTurn ∨ | to 10 |

1. Add instructions to make Ohbot turn to a different position for each word in your rap.

2. Can you make Ohbot move to the words in the rap by pressing keys?

3. Rap together with your neighbours robot. Can you match movements and take turns on verses.

1. Can you add extra movements that happen at the same time? How about getting Ohbot's eyes to change colour for each word in the rap.

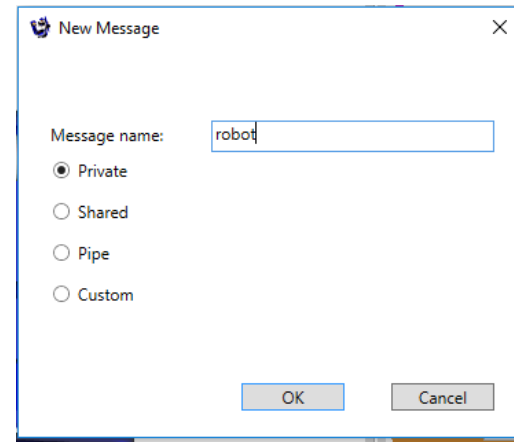# 🏠 Let's Dance Automatic!

1. Can you make your robot do the movements automatically

Done that?

Can you find a way of making Ohbot look up and down too?

🏠 Go beyond!

1. Add a second verse to your rap
2. Try altering Ohbots' voice curly brackets around one of the words {}

Done that?

Can you find a way of making Ohbot look up and down too?