



programming Nuggets

Nod

Speak

Mouth Synch

Recognise a human

Ask

Look at you

Tell a joke

1. Nod

set HeadNod to 5

set HeadNod to 0



You will need

Events

when space key pressed

Motion

set HeadNod to 5

set HeadNod to 5

Control

wait 1 secs

Try this code

when space key pressed

set HeadNod to 0

wait 1 secs

set HeadNod to 5

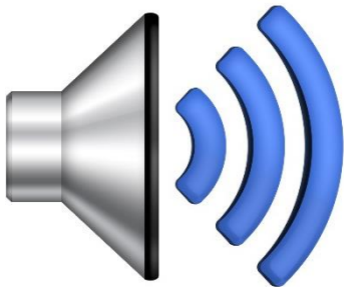
Click here
and enter 0

Do it

space

Press the key to start

2. Speak



You will need

Events

when key pressed

Speech

say until done

Try this code

when key pressed

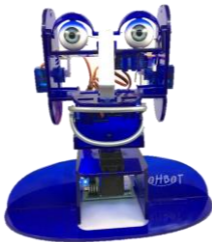
say until done

Click here and enter the words you would like Ohbot to speak

Do it

Press the key to start

3. Mouth Synch



You will need

```
when space key pressed
say Hello my name is Olly! until done

Events
  when clicked
  set TopLip to 5
  set BottomLip to 5
  toplip
  bottomlip

Control
  forever
```

Try this code

```
when clicked
forever
  set TopLip to toplip
  set BottomLip to bottomlip
```

Do it

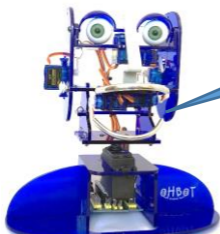
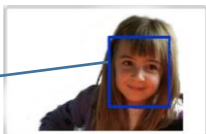


space

Click the green flag to start the speech sensing
Press the Space key to run the speech

4. Recognise a human

Square indicates a recognised face



Hello human

You will need

Events

when key pressed

Control

wait until

Operators

= 1

Sensing

camera count

Speech

say Hello human until done

Try this code

when key pressed

wait until =

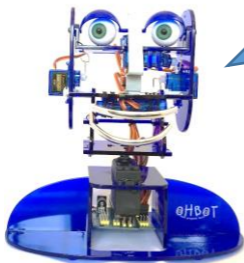
say Hello human! until done

enter
1 here

Do it

Press the key to start

5. Ask



What's
your
name?

You will need

Events

when key pressed

Sensing

ask and wait

answer

Speech

say until done

say until done

Try this code

when key pressed

ask and wait

say until done

say until done

Do it

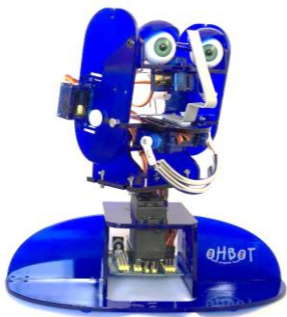
Space

Press the key to start



Type in and press Enter

6. Look at You



You will need

Events

when  clicked

forever

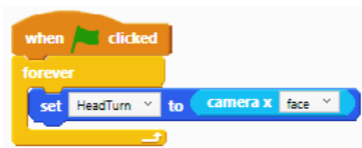
Motion

set HeadTurn ▾ to 5

Sensing

camera x face ▾

Try this code



Do it



Click the green flag

Move in front of the camera

7. Tell a joke

You will need

Events

when key pressed

Control

wait 1 secs

Speech

say Hello until done

Try this code

when key pressed

say What goes Ha Ha Ha Clunk? until done

wait 1 secs

say A robot laughing its head off! until done

wait 1 secs

say Ha Ha Ha! Oh no! until done

Type each line in a separate block

Alter these to adjust Ohbot's comic timing

Do it

space

Press the space key

Tinker

Try adding Mouth Synch so that Ohbot's mouth moves as he/she speaks