



## programming Nuggets

Nod

Speak

Mouth Synch

Recognise a human

Ask

Look at you

Tell a joke

# 1. Nod

set HeadNod ▾ to 10 ▾

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 ▾

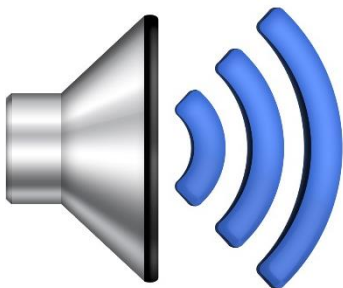
Click here  
and enter 0

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

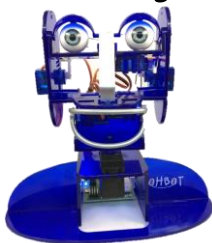
Click here and type in the words you would like Ohbot to speak

Do it

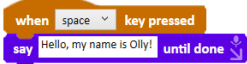
space

Press the key to start

### 3. Mouth Synch



You will need



Events

when  clicked

Motion

set TopLip to 5

set BottomLip to 5

Sensing

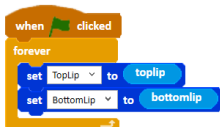
toplip

bottomlip

Control

forever

Try this code



Do it

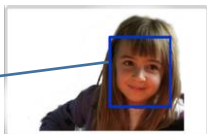


space

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 detected



Hello human

You will need

Events

when space key pressed

Control

wait until

Operators



Sensing

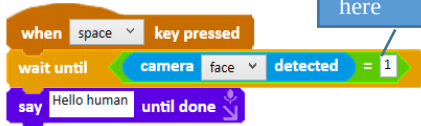
camera face detected

Speech

say Hello human until done

Try this code

enter 1  
here

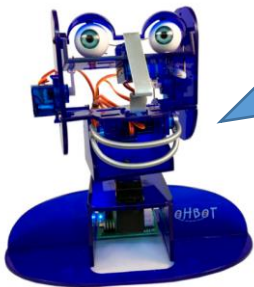


Do it

space

Press the key to start

## 5. Ask



What's  
your  
name?

You will need

Events

when space key pressed

Sensing

ask What's your name? and wait

answer

Speech

say Hello! until done

say Hello! until done

Try this code

when space key pressed

ask What's your name? and wait

say Hello! until done

say answer until done

Do it

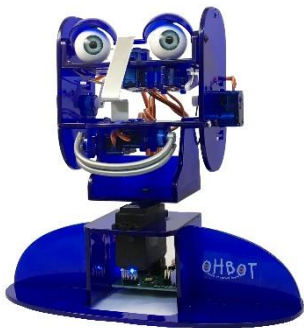
Space

Press the key to start



Type in and press Enter

## 6. Look at You



You will need

Events

when  clicked

forever

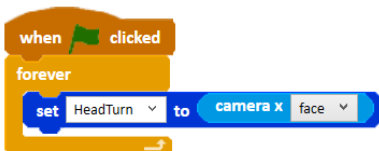
Motion

set HeadTurn  to

Sensing

camera x

Try this code



Do it



Click the green flag

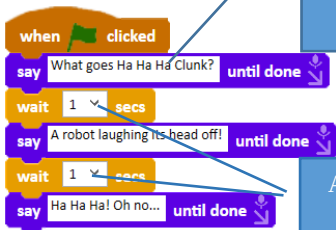
Move in front of the camera

## 7. Tell a joke

You will need



Try this code



Type each  
line in a  
separate  
block

Alter these  
to adjust  
Ohbot's  
comic  
timing

Do it



Press the space key

### Tinker

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