

Lesson 5: Talk and move

I can program a robot to talk



I am a very clever Robot.
I can talk!

Together we will write some
code to make PicoH talk?

File, Save As – sayname



Talk example

```
when clicked  
say Hello! How are you? until done  
wait 1 secs  
say I am a very clever robot because I know how to talk! until done
```



I am a very clever Robot. I can talk!

Activity 1

Can you write a program to make PicoH talk? Write a paragraph of code about yourself. E.g. my name is..... etc.

File, Save As – allaboutme



I can talk and move

Activity 2

Can you write a program to make PicoH talk and move?

How many motors does PicoH have? Can you show each one moving?

File, Save As – talkandmove



Talk and move example

```
when clicked
say I have three motors. Let me show you how I can move. until done
wait 2 secs
say I can move my pupils up and down like this... until done
repeat 3
  set EyeTilt both to 10
  wait 1 secs
  set EyeTilt both to 5
  wait 1 secs
set EyeTilt both to 5
say I can move my pupils left and right like this... until done
repeat 3
  set EyeTurn both to 10
  wait 1 secs
  set EyeTurn both to 0
  wait 1 secs
set EyeTurn both to 5
```



Extension

Can you write a program to make my mouth open and close while I am talking?



Talking while mouth opens and closes example

```
when clicked
say Hello!
wait 1 secs
say What is your name?
wait 1 secs
say How old are you?
wait 1 secs
say Do you have any brothers or sisters?
wait 2 secs
say What school do you go to?
wait 2 secs
set TopLip to 5
set BottomLip to 5
stop all
```

```
when clicked
forever
set BottomLip to 8
wait 0.5 secs
set BottomLip to 5
wait 0.5 secs
```

