

Lesson 4: Multitasking

I can program a robot to make two movements at the same time



What do you think
the word
simultaneously
means?



**What moves can
you perform
simultaneously?**

Can you nod your head and clap your
hands simultaneously?



**What moves do you
think PicoH could
perform
simultaneously?**



Nod and blink simultaneously

Activity 1

Can you write a program to make PicoH nod ten times while it blinks ten times?



Nod and blink simultaneously example

```
when clicked
repeat 10
  set HeadNod to 0
  wait 1 secs
  set HeadNod to 10
  wait 1 secs
set HeadNod to 5
```

```
when clicked
repeat 10
  set LidBlink both to 0
  wait 1 secs
  set LidBlink both to 10
  wait 1 secs
set LidBlink both to 10
```



Turn pupils and turn head simultaneously

Activity 2

Can you write some code to make my head turn left and right five times while I also turn my eyes left and right five times?



Move bottom lip and blink simultaneously

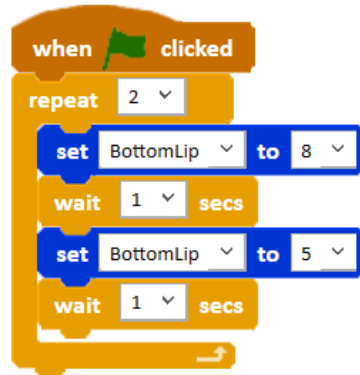
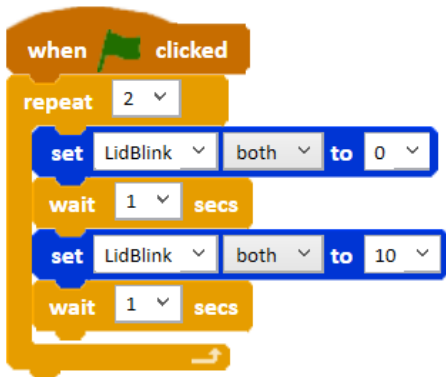
I am feeling very sleepy.

Activity 3

Can you write a program to make PicoH yawn and blink twice simultaneously?



Move bottom lip and blink simultaneously example



Extension

Can you write your own program in which PicoH performs three moves simultaneously?

