

# Lesson 1: Blinks Like Me

I can program a robot to repeat movements with a random wait between



## Activity 1

Can you write a program to make PicoH blink once when the Green Flag is clicked?



## Activity 2

Can you alter your program to make PicoH continuously blink, a bit like you?



# Repeated lid blink example

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



Repeated lid blink example

```
when clicked
  forever
    set LidBlink both to 0
    wait 0.5 secs
    set LidBlink both to 10
    wait pick random 0 to 4 secs
```



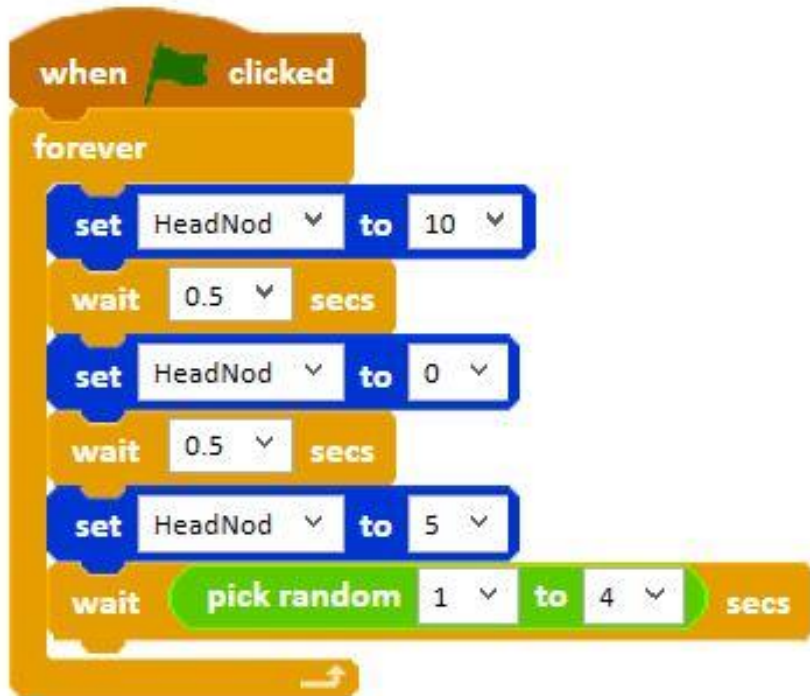
### Activity 3

I can be just like a human and nod my head randomly.

Can you write a program so that I repeatedly nod with a random wait between nods?



## Repeated head nod example



## Activity 4

Can you write a program to make PicoH repeatedly shake its head with a random wait between shakes?

*File, Save As – headshake*





## Extension

Humans blink more often and for longer when they are tired.

Can you write a program so that:

- When A is pressed, PicoH has sleepy eyes.
- When B is pressed, Ohbot has alert eyes.



Example

Sleepy eyes

```
when A key pressed
  forever
    set LidBlink both to 0
    wait pick random 2 to 4 secs
    set LidBlink both to 10
    wait pick random 0 to 1 secs
```

Alert eyes

```
when B key pressed
  forever
    set LidBlink both to 0
    wait pick random 0 to 0.5 secs
    set LidBlink both to 10
    wait pick random 3 to 5 secs
```

