Lesson 5: Two Variables

I can use more than one variable in a program
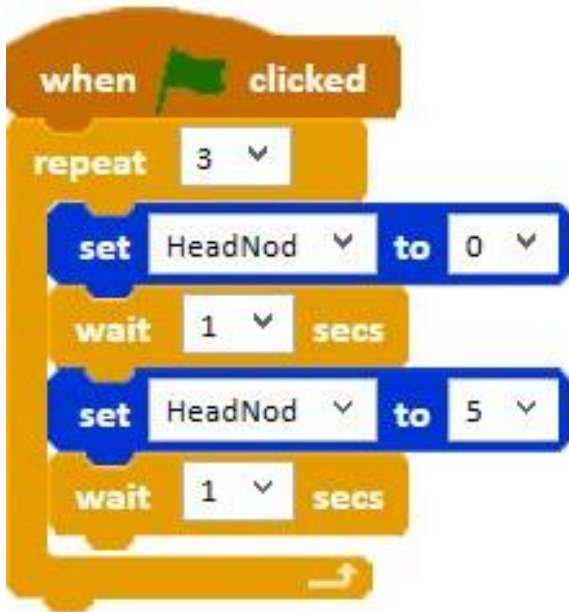
Activity 1

Can you write a program that uses repeat to make Picoh nod its head a number of times?

Example head nod

Activity 2

Can you write a program to make Picoh count the number of times it nods?

File, Save As - countheadnod

Example

Activity 3

Can you extend your program to make Picoh blink a number of times, and count the blinks after it has nodded?

Example

```
when 🚩 clicked
set  head nod ▾  to  0 ▾
set  blink ▾  to  0 ▾
repeat  3 ▾
    set  HeadNod ▾  to  0 ▾
    wait  1 ▾  secs
    set  HeadNod ▾  to  5 ▾
    change  head nod ▾  by  1 ▾
    wait  1 ▾  secs
repeat  4 ▾
    set  LidBlink ▾  both ▾  to  0 ▾
    wait  1 ▾  secs
    set  LidBlink ▾  both ▾  to  10 ▾
    change  blink ▾  by  1 ▾
    wait  1 ▾  secs
```

File, Save As - countblink

Extension

Can you extend your program to make Picoh carry out a sequence of three movements and count the number of each?

Example


```
when 🚩 clicked
set eye turn to 0
set head nod to 0
set blink to 0
repeat 3
    set HeadNod to 0
    wait 1 secs
    set HeadNod to 5
    change head nod by 1
    wait 1 secs
repeat 4
    set LidBlink both to 0
    wait 1 secs
    set LidBlink both to 10
    change blink by 1
    wait 1 secs
repeat 2
    set EyeTurn both to 0
    wait 1 secs
    set EyeTurn both to 10
    change eye turn by 1
    wait 1 secs
set EyeTurn both to 5
```

File, Save As - countkeepfit