

# Loops and nested loops (Movement)

Created by

Phil Bagge

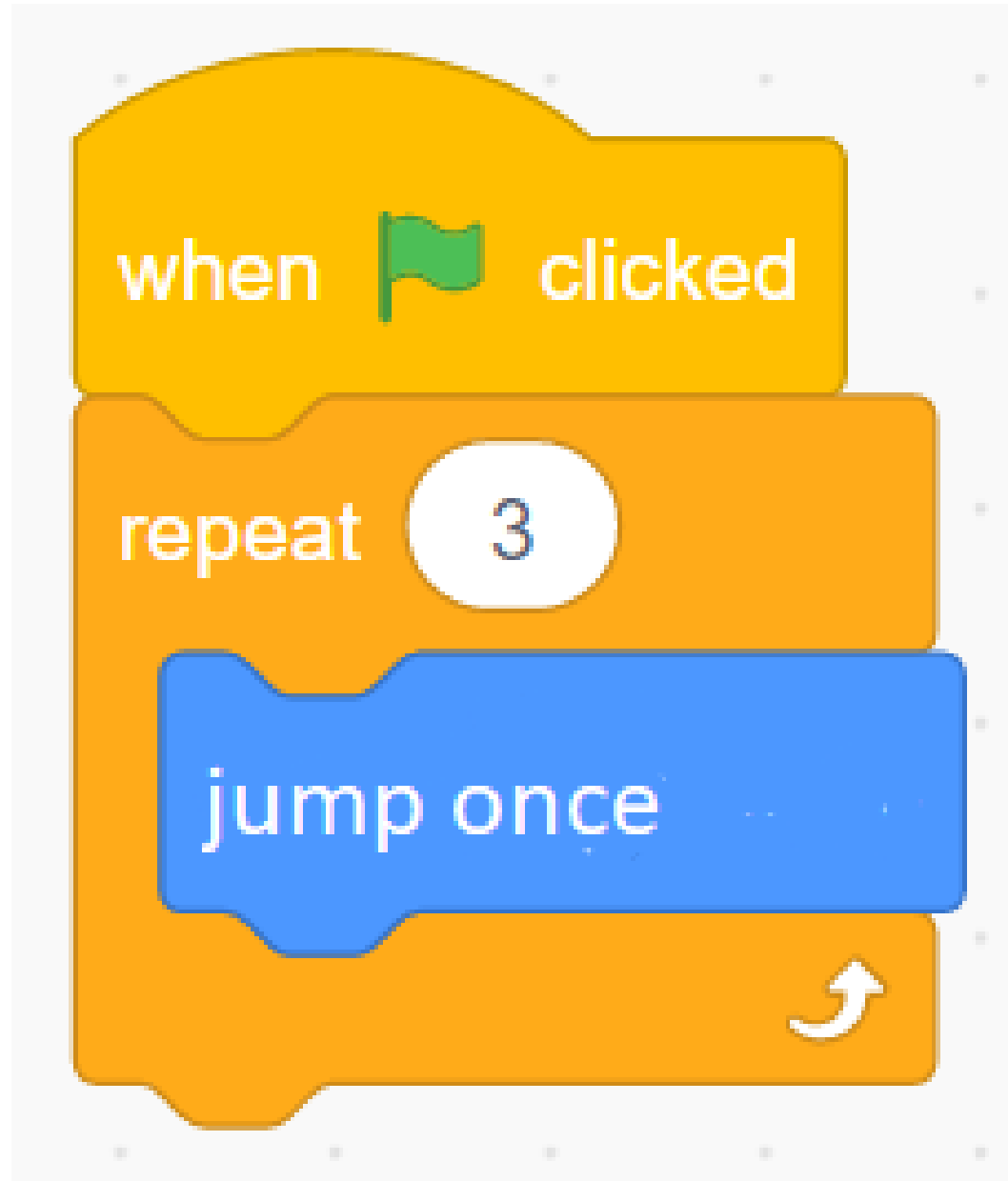
Computing Inspector HIAS

CAS Master Teacher

Can you be the computing device and carry out the code?



Can you be the computing device and carry out the code?



Output

Jump  
Jump  
Jump

Can you be the computing device and carry out the code?



Can you be the computing device and carry out the code?



Output

Bow

Wave

Bow

wave

Can you be the computing device and carry out the code?



Can you be the computing device and carry out the code?



Output

Wave  
Bow  
Jump  
Wave  
Bow  
Jump  
Wave  
Bow  
Jump  
Wave  
Bow  
Jump

Can you be the computing device and carry out the code?



```
when green flag clicked
  repeat 2
    bow once
  repeat 3
    wave once
    jump once
```



Can you be the computing device and carry out the code?

Red Output

Black Output

Black Output



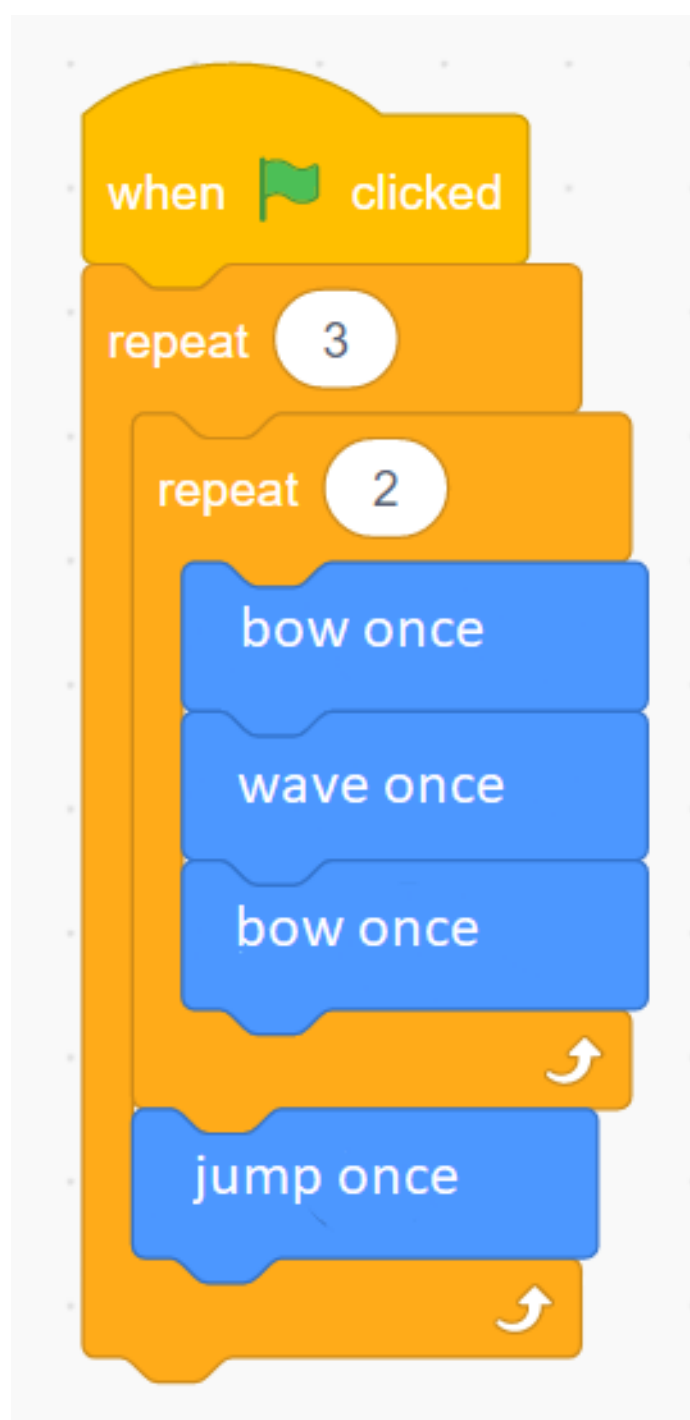
Output



**Bow**  
Wave  
Jump  
Wave  
Jump  
Wave  
Jump  
**Bow**  
Wave  
Jump  
Wave  
Jump  
Wave  
Jump



Can you be the computing device and carry out the code?



Can you be the computing device and carry out the code?

Black Output →

Black Output →

Black Output →

Red Output →



Output

Bow  
Wave  
Bow  
Bow  
Wave  
Bow  
Bow  
Wave  
Bow  
Bow  
Wave  
Bow  
Bow  
Wave  
Bow  
Jump

Bow  
Wave  
Bow  
Bow  
Wave  
Bow  
Jump



For more computing ideas KS1 & KS2 K-8

<http://code-it.co.uk/csplanning.html>

Blocks adapted are from Scratch 3.0