

Loops and nested loops (Movement)

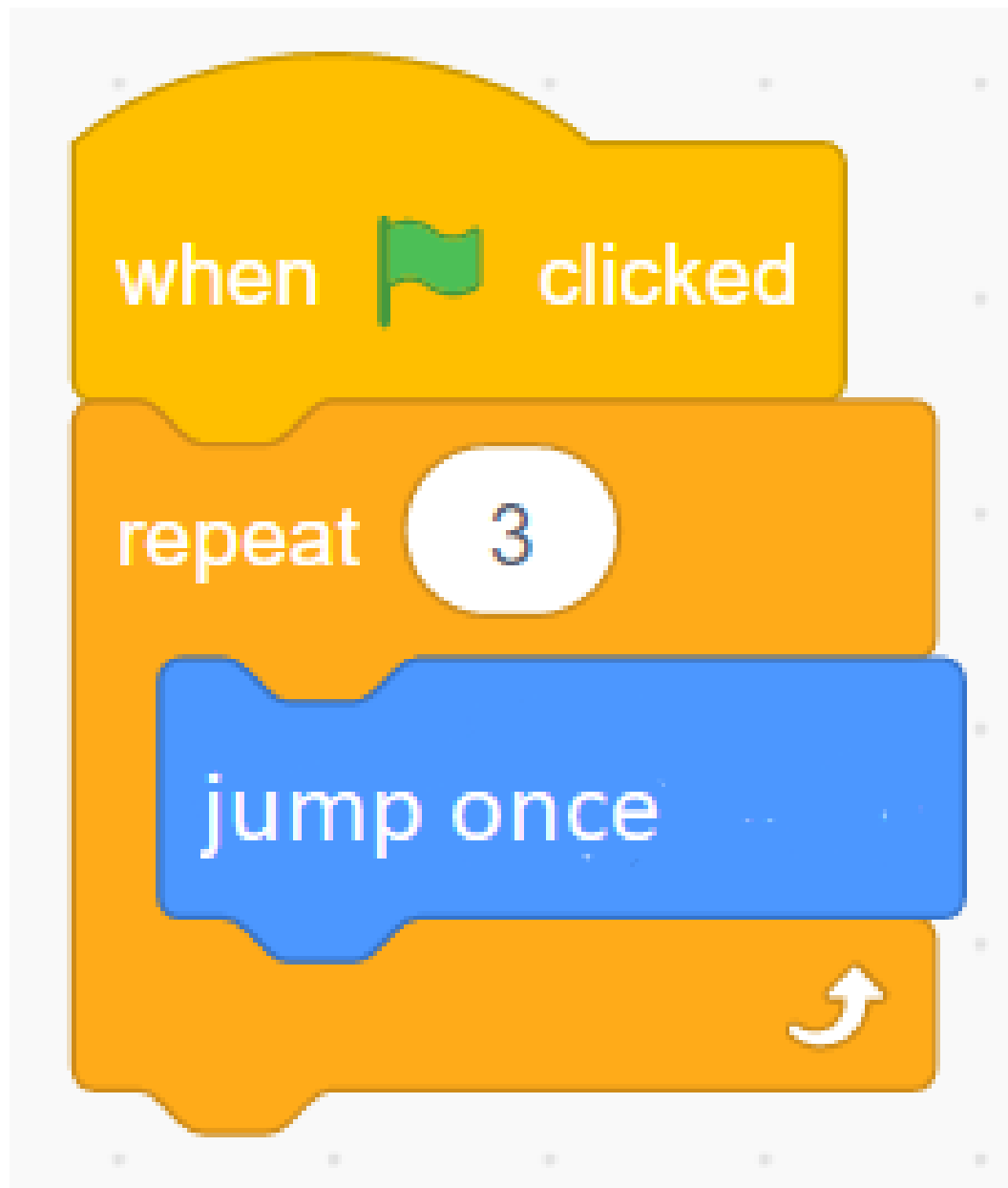
Created by

Phil Bagge

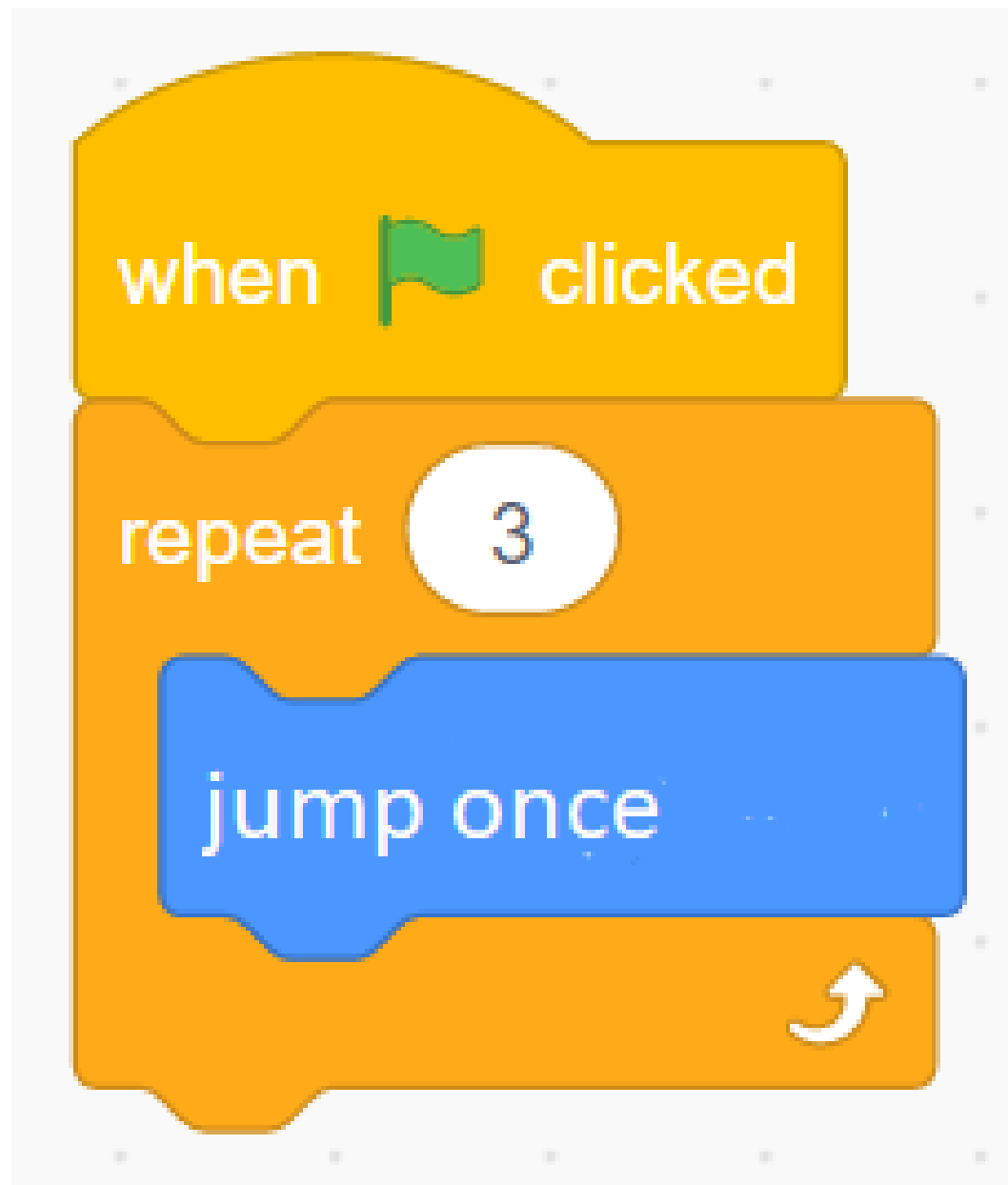
Computing Inspector HIAS

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?



```
when green flag clicked
repeat 2 times
  bow once
  wave once
```

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?



```
when green flag clicked
repeat (4)
  wave once
  bow once
  jump once
```

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?



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?

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

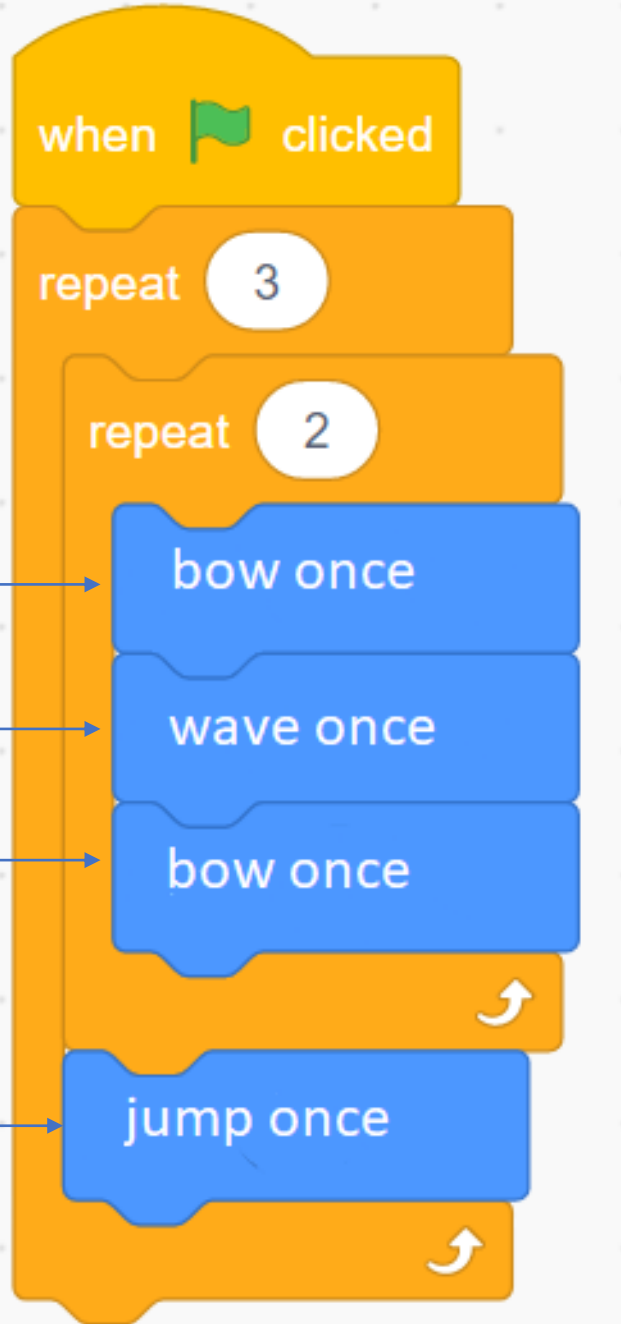
Can you be the computing device and carry out the code?

Black Output →

Black Output →

Black Output →

Red Output →



Output

Bow
Wave
Bow
Bow
Wave
Bow
Bow
Wave
Bow
Bow
Wave
Bow
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