

# Computing Cycle A 5/6

## Programming - Sensing movement - Unit 6.6

### Lesson 1

What is a Micro:bit and how can we create a program to run on this controllable device?

Micro:bit  
MakeCode  
input  
process  
output  
flashing  
USB  
trace

### Lesson 2

How can selection control the flow of a program?

selection  
condition  
if  
then  
else  
variable  
random

### Lesson 3

How can we update a variable with a user input?

sensing  
accelerometer  
Value

### Lesson 4

How do we use a conditional statement to compare a variable to a value?

compass  
direction  
navigation

### Lesson 5

What project can we design that uses inputs and outputs on a controllable device?

design  
task  
algorithm  
step counter

### Lesson 6

How do we make a Micro:bit based step counter?

+  
Assessment task

plan  
create  
code  
test  
debug

What will we be learning about over the coming weeks?