Micro:bit Programming

Algorithm

Micro:bit Programming

Sequence

Micro:bit Programming - sequence

An **algorithm** is a set of instructions to complete a task

Sequence means putting things in the right order

It is important to put the steps of an **algorithm** in the right order so that the task is completed properly

Micro:bit Programming - sequence

Using the **Block Editor**…

Write a program to display Xs and Os in that order

Challenges:

1. work out how to control the gap between images
2. work out how to clear the screen for a time
3. work out why the program repeats itself

Micro:bit Programming - sequence

Here's an algorithm:

```
REPEAT forever:
    display an X
    wait 1 second
    blank the screen
    wait ½ second
    display an O
    wait 1 second
    blank the screen
    wait ½ second
```

Write a program using the block editor to code the algorithm