

# Space Rocket Countdown



In this activity you will make your very own countdown timer ready for the launch of a space rocket.

## Objective:

- Make the micro:bit count down from 5 to 1 then display ‘BLAST OFF!’

## Learning Outcome:

- Program your BBC micro:bit to react to an input

## Level of Difficulty:

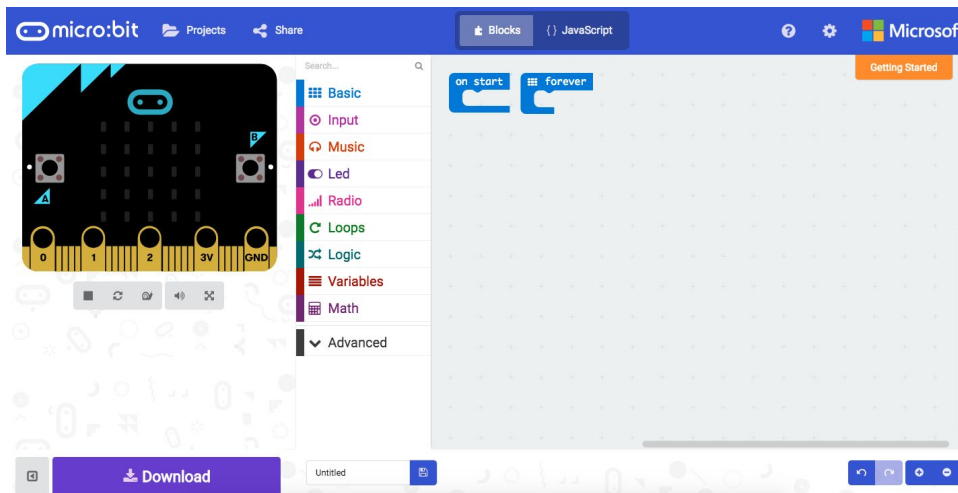
- Beginner

## Coding


### Step 1

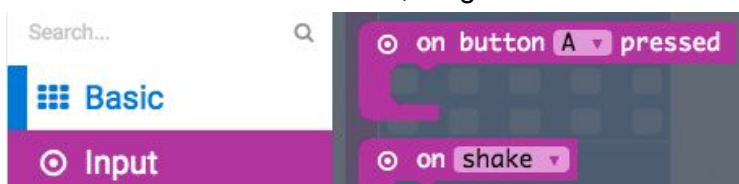
Start by opening the [micro:bit editor](#).

You should see a blank editor.



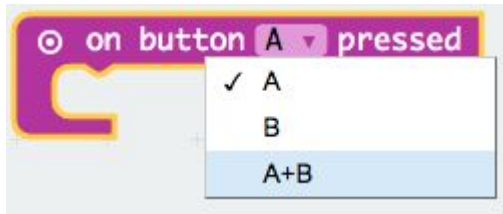
### Step 2

From the  **Input** section, drag in an “on button A pressed” block.



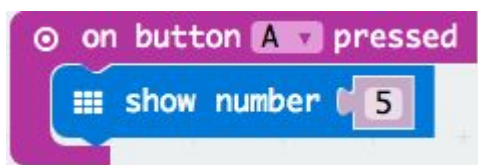
### Step 3

Change the block to respond to pressing both buttons A+B.



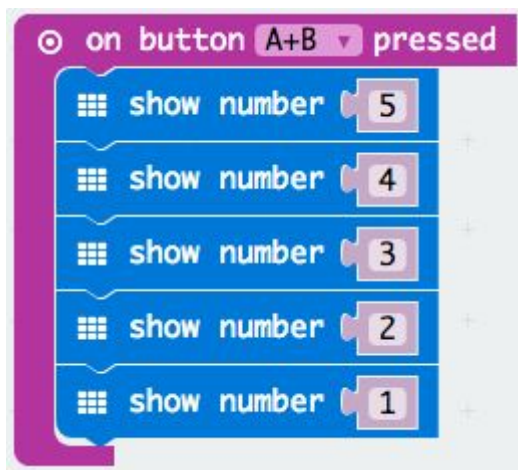
### Step 4


From the **Basic** section, drag in a “**show number**” block and place it inside the “**on button pressed**” block. Then change the number to “5”.



### Step 5

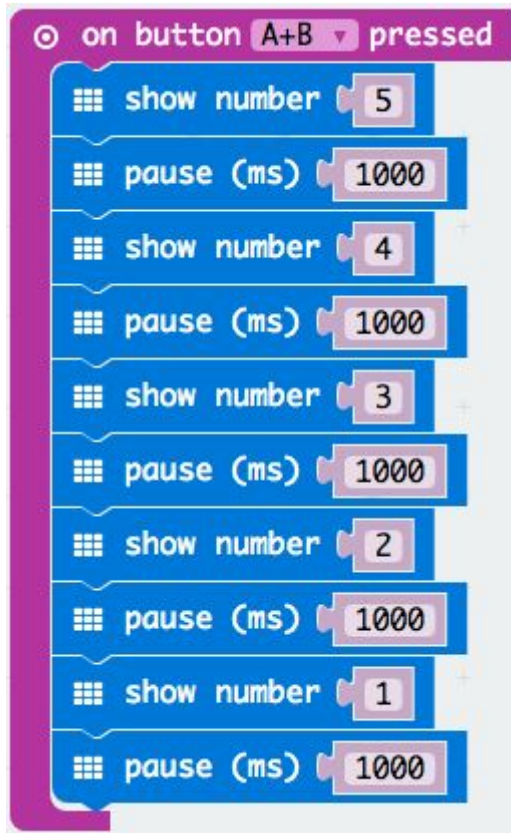
Next add 4 more “**show number**” blocks and set the numbers to 4, 3, 2 and 1.



Test out your code by clicking  on the simulator.

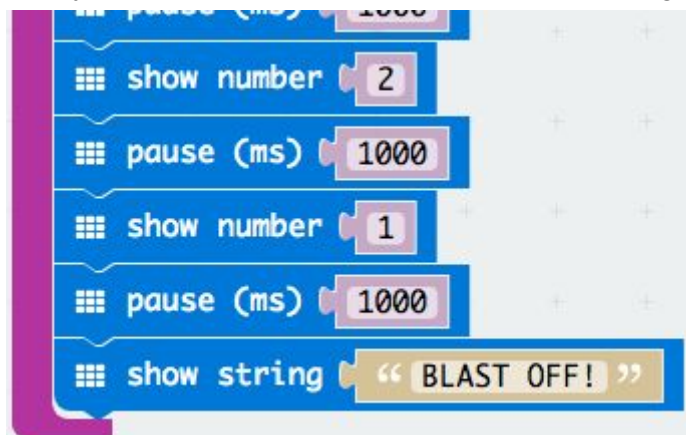
## Step 6

To build up the suspense, we'll make the numbers change slower. Add a **Pause** of 1000 ms (1 second) between each number.



## Step 7

Finally, add the all important "BLAST OFF!" message using a **show string** block.



## Great Work!

Test this out on your micro:bit by clicking

[Download](#)

and copy the file to your micro:bit using the USB cable.

## Extra Challenge

Instead of the string "BLAST OFF!", show an animation of a rocket taking off. To do this you will need to use a few **show leds** blocks.

