Functions script

In this video, I will be showing all of the function listed in this document here. Show commands doc.

A copy of this will be linked in the blog.

First of all is the number keys 1 to 9. These are the main emotions that the microbit can make.

Number 1 is happy -1

Number 2 is sad-2

Number 3 is confused/worried- 3

Number 4 is angry -4

Number 5 is asleep -5

Number 6 is surprised/ shocked-6 This wakes up the other microbit

Number 7 is silly-7

Number 8 is fabulous-8

Number 9 is meh-9

Next functions shown are on the top row of letters q to O. These are the sounds that the microbit can play.

Q plays ba ding .q This can be used for when an interesting point is made.

W plays wawawawaa.w This can be used when something does not work or something goes wrong.

E plays punchline e. This can be used for humour

R plays baddy r. This can be used for foreshadowing

T plays power up. t

Y plays power down y

U plays jump up u

I plays jump down i

O plays ringtone. O

All sounds cause the other microbit to wake up for a second and then fall back asleep.

The next two function are used for random events. These are the dice roll and the coin flip.

The dice roll is activated with the d key. This picks a random number between 1 and 6 and displays it on the microbit.d press couple of times to show.

The coin flip is activated with the C key. This picks either heads or tails and shows this onto the microbit. C press couple of times to show

Next function to be shown is the 30 timer. This activated with the shift 1 or explanation mark key. Press key This function counts down from 30 timer and plays a sound at the end. This could be used for students answering a question, set in the video or call.

The counter function is activated with the space bar. Every time it is pressed it increments by one. Press spacebar to show. This can be used for a variety of things including highlighting interesting points; every time you say a certain word etc.

The clock function is activated with the plus key. + this displays the current hours and minutes of the day every 10 seconds until disactivated. This is done via the minus key. –

There is a reset function on the microbit by pressing the A and B button together. It also resets the other microbit simultaneous. This can be done from either microbit as shown here. Press A and B on both microbit. It does not disactivate the clock function however minus does this as noted above.

Finally to exit the program press Ctrl C or Ctrl Q.