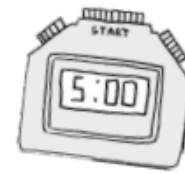
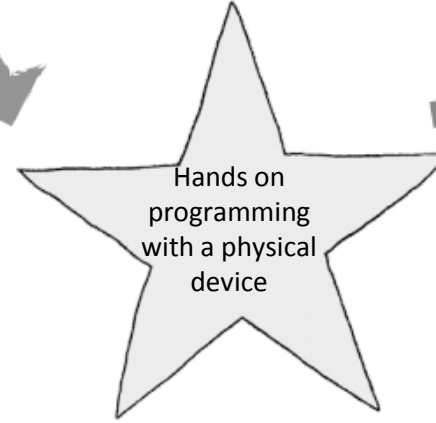


5 MINUTE LESSON PLAN

...photocopy or download, and scribble your way to smarter lesson planning!



ENGAGEMENT



STICKABILITY

micro:bit can be programmed with JavaScript Blocks editor using a .hex file.
Program can then be edited.

ASSESSMENT

The students can

- Use an input to control the micro:bit.
- Create a named variable.
- Create a random number between a specified range.

NUMERACY PROVISION

Defining a number range.
Random numbers



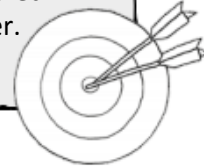
KEY WORDS

Variable
Random



OBJECTIVES

To create a random number variable when an input is entered by the user.

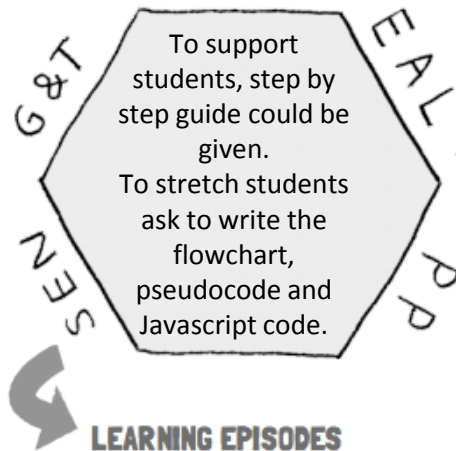


THE BIG PICTURE

Allow user inputs to the micro:bit.

DIFFERENTIATION

To support students, step by step guide could be given.
To stretch students ask to write the flowchart, pseudocode and Javascript code.



LEARNING EPISODES

TEACHER OR STUDENT LED?

Teacher led introduction of the task, showing a working solution on a micro:bit.
Algorithm written as flowchart / pseudocode.



TEACHER OR STUDENT LED?

Student led investigation of the software and developing programs.
Student to download and test program on micro:bit



TEACHER OR STUDENT LED?

Teacher led discussion of the program.
Student led development of the program via other tasks.



LAST MINUTE CHANGES

Using a pack of cards one suite could be used to discuss the random number element.

