Name: Date:

Unit title: BBC micro:bit

KS2 Quiz

1	What is a micro:bit?
A	A type of computer mouse.
B	A speaker.
C	A physical programming device.
D	A storage device.

2	Which of these is needed to connect and pair the micro:bit with your device?
A	A printer cable.
B	A USB cable or Bluetooth connection.
C	A battery pack only.
D	An internet password.

3	Which statement describes how the on start and forever blocks work?
A	On start runs once at the beginning and forever repeats again and again.
B	On start repeats actions forever and forever runs only once.
C	Both on start and forever only run when you press button A.
D	On start only works with sensors and forever only shows text.

4	Which block would you use if you wanted the micro:bit to keep checking a sensor all the time?
A	On start.
B	Show string.
C	Forever.
D	Pause.

5	What does the if, then, else block do in a program?
A	It repeats the same action over and over.
B	It checks a condition and runs different code depending on whether it is true or false.
C	It stores a number that can change.
D	It makes the program start automatically.

6	What is a variable used for in a program?
A	To display a message on the LED screen.
B	To store information that can change while the program runs.
C	To make the micro:bit light up different colours.
D	To connect the micro:bit to other devices.

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7	**Look at this code. What happens when the micro:bit is shaken?**
A	It shows a smiley face.
B	It counts up to 10.
C	It turns off the LEDs.
D	It counts down from 3 to 1 on the display.

8	**Look at this code. What will the micro:bit do if the temperature is 8 °C?**
A	It will show the message 'Just right'.
B	It will show the message 'Too cold!'.
C	It will not show any message.
D	It will ask you to press a button.

9	**When you test your program on the micro:bit, you are...**
A	...planning how your project will look.
B	...creating a new version of the program.
C	...evaluating whether your program works as you wanted.
D	...erasing all your code.

10	**How can you debug and test a program on the micro:bit? What would you check and what might you change if it does not work?**