

Computing: We are programmers Y3 T1

Learning link

You programmed beebots in year 1 'We are treasure hunters' and used ScratchJr in year 1 'We are rhythmic' introduced ScratchJr and in year 2 'We are astronauts' and 'We are games testers' you developed your programming skills further.

Key learning:

 Motion	Motion blocks control sprite placement, direction, movement and rotation.
 Looks	Looks blocks control how the sprite looks and the background appearance. They also allow text to be displayed on screen.
 Sound	Sound blocks control the playing and volume of audio and music files that have been selected from the library or uploaded.
 Events	Events blocks decide when and how events are triggered in the program.
 Control	Control blocks are used to control parts of the program, for example pausing or repeating events.

Where is this used? This knowledge can be used to become a programmer!

Test yourself: Here are some other icons you will use in Scratch. Can you identify what they do?



Vocabulary

algorithm	A sequence of precise instructions or steps to achieve a goal.
code	Instructions (or sometimes rules) that can be understood by a computer; in Scratch, code blocks are visual, which helps to identify their purpose.
decomposition	Breaking down a problem into smaller steps.
event	Something that happens within a computer program to cause code to run, for example when a particular button is pressed, such as the green flag or 'when I receive' button.
sequence	Placing programming instructions in order, so that each happens one after the

Keeping safe

S - Safe: Never share your name, address, or passwords with people you don't know.

M - Meeting: Never meet up with someone you met online.

A - Accepting: Be careful with what you click. Don't open messages or pictures from people you don't know.

R - Reliable: Not everything on the internet is true. People can lie about who they are, so stick to websites you can trust.

T - Tell: If something online makes you feel worried or unhappy, tell a trusted adult like a teacher or a parent right away.