

Mastering Scratch: Grade 4 Computing Flashcards

Learning objective: To recall and apply key terminology used in block-based programming within the Scratch environment.

Read the term or question on the front of the card. Try to define it or answer it before checking the answer on the other side. Use these to test your knowledge of how Kit the fox builds his clever digital puzzles!

What is a Sprite?

A Sprite is an object or character in Scratch that performs actions on the stage, such as Kit the fox.

Define an 'Algorithm'.

An algorithm is a precise, step-by-step set of instructions designed to complete a specific task or solve a problem.

What is a 'Loop' in Scratch?

A loop (often a 'repeat' block) allows a set of instructions to be run multiple times without having to rewrite them.

What does a 'Variable' do?

A variable is a place to store data or information that can change while the program is running, such as a player's score.

What is an 'Event' block?

An event block (like 'When Green Flag clicked') tells the script when to start running.

What is 'Debugging'?

Debugging is the process of finding and fixing errors or 'bugs' in your code so the program works as intended.

What is a 'Script'?

A script is a collection of code blocks snapped together that tells a Sprite exactly what to do.

What happens when you use a 'Broadcast' block?

A broadcast sends a message to other Sprites in your project to trigger an action or change.

What is the 'Stage'?

The stage is the main area where your project is displayed and where the Sprites perform their actions.

What is a 'Costume'?

A costume is a different look or appearance for a Sprite that can be switched to create animations.

If you wanted a Sprite to move 10 steps, wait 1 second, and repeat this 5 times, which blocks would you combine?

A 'Repeat 5' block containing a 'Move 10 steps' block and a 'Wait 1 second' block.

Why do we use the 'Green Flag'?

The Green Flag is the standard way to start the scripts in a Scratch project simultaneously.