

Kit's Coding Basics Flashcards

Learning objective: To identify and define key vocabulary related to coding and computational thinking for Year 4.

Read the front of the card, think about the answer, then flip to check if you are right. Use these to test your knowledge of how computers work!

What is an Algorithm?

An algorithm is a precise set of instructions or rules to be followed to solve a problem or complete a task.

What is a 'Bug' in coding?

A bug is an error or mistake in a computer program that stops it from working the way it should.

What does 'Debugging' mean?

Debugging is the process of finding and fixing errors or bugs within a piece of code.

What is a Sequence?

A sequence is a set of instructions that are carried out in a specific order, one after another.

What is a Loop?

A loop is a programming tool that allows a section of code to be repeated multiple times automatically.

What is a Variable?

A variable is a storage location used to hold a piece of information, such as a score or a name, that can change while the program is running.

What is an Input?

An input is the information or data sent to a computer, such as pressing a key on a keyboard or clicking a mouse.

What is an Output?

An output is the information or action produced by the computer after processing data, such as a sound or an image on a screen.

What is a Program?

A program is a collection of instructions written in code that tells a computer exactly what to do.

What is Decomposition?

Decomposition is the process of breaking a large, complex problem down into smaller, easier-to-manage parts.