

Coding

algorithm

A list of steps to finish a task.

binary

A way of representing information using only two options.

call (a function)

This is the piece of code that you add to a program to indicate that the program should run the code inside a function at a certain time.

click

Press the mouse button.

code

The language that programmers create and use to tell a computer what to do.

command

An instruction for the computer. Many commands put together make up algorithms and computer programs.

data

Information. Often, quantities, characters, or symbols that are the inputs and outputs of computer programs.

debugging

Finding and fixing problems in an algorithm or program.

decompose

Break a problem down into smaller pieces.

event

An action that causes something to happen.

function

A piece of code that you can easily call over and over again.

if-statement

The common programming structure that implements "conditional statements".

iteration

A repetitive action or command typically created with programming loops.

loop

The action of doing something over and over again.

program

An algorithm that has been coded into something that can be run by a machine.

variable

A placeholder for a piece of information that can change.

while loop

A loop that continues to repeat while a condition is true.

Create programs with sequencing, loops, and events.

Translate your initials into binary, investigate different problem-solving techniques, and learn how to respond to cyberbullying.

- Express movement as a series of commands.
- Order movement commands as sequential steps in a program.
- Represent an algorithm as a computer program.
- Count the number of times an action should be executed and represent it as instructions in a program.