

How do computer games decide who wins?





mpowered Learner:



dentify a range of different ways to troubleshoot and fix technology

Computation



- Use Swift Playgrounds to learn about Variables (Learn to Code 2)
- Use variables in Scratch to create a guiz

Key learning

- Add a score to a game using variables
- Create own game using variables, operators, functions and loops

- Use of teps
- Desic inclu



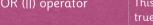






Key vocabulary

AND (&&) operator This will run a code only if all conditions are A type of operator that compares variables comparison operator and runs code dependent on their relationship conditionals These tell a computer to run different codes depending on the conditions Finding and fixing problems in a computer debugging program or algorithm A set of commands that you name and run function together to group tasks automatically Logical operator A type of operator that you can use to make conditional code more specific message A way to control the timing of events and communicate between Sprites and backgrounds OR (||) operator This will run a code if at least one condition is



variable

NOT (!) operator This operator changes a condition to use opposite

A value that can be changed or retrieved by your programming



Coding - Our Learning Journey

make a seauence

Year I

- Using simple commands to move and change direction
- Editing characters and backgrounds

Year 2 Using repeat and forever loops

Put a range of codes together to

Debugging simple programmes

- Use commands, for loops and conditionals
- Use different controls and conditionals including when and if
- Use sensors and code them to work in different ways

Year 3

Year 4

- Create and edit functions Include functions in a game on
- Scratch
- Use logic for conditional commands, including 'else' command

Year 5

- Use comparison and logical operators in a range of programmes
- Create different variables for speed and proximity sensors in robots
- Code sensors for different purposes

Year 6

- Use variables to keep score in a created game
- Create a game using a range of functions, loops, operators and
- Begin to use Python to code

