

# How do computers make decisions?





# Computing concepts



## Key learning

- Use Swift Playgrounds to learn about operators
- Understand comparison and logical operators
- Use operators in Scratch to edit a game and add them in
- Come up with own game using operators in Scratch

### Empowered learner

Troubleshoot my own technology problems in different

### Compu

- Detec
- Desig
- · Use s



e of er ode rithm: hes

ı e



Each of these three operators changes conditions in its own specific way:

AND &&
OR II
NOT !

## Key vocabulary

AND (&&) operator

This will run a code only if all conditions are true

Comparison operator

A type of operator that compares variables and runs code dependent on their relationship

Conditionals

These tell a computer to run different codes depending on the conditions

Debugging Finding and fixing problems in a computer program or algorithm

For loop Grouping tasks together and giving them a number of times to run together

Function A set of commands that you name and run 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

NOT (!) operator

This operator changes a condition to use opposite



## Coding - Our Learning Journey

#### Year 1/2

- Using simple commands to move and change direction
- Editing characters and backgrounds
- Using repeat functions
- Debugging simple programmes

#### Year 3/4

- Using different controls and conditionals when and if commands
- Creating and editing functions
- Detecting and correct simple algorithm errors

#### Year 5/6

- Using a range of sequences and functions to accomplish specific goals in the most efficient way
- Using comparison and logical operators in a range of programmes
- Design, write and debug computer games



