

Computing Focus:

Coding and Online Safety

Year 2

Term: 1B

Key Learning - Sketching

To understand what an algorithm is.

To create a computer program using an algorithm.

To create a program using a given design.

To understand that algorithms follow a sequence.

To create an algorithm that follows a timed sequence.

To understand and debug simple programs.

Key Questions

What is an algorithm? Why is it useful in coding?

Why is it important to know there are three different object types?

Why is it important to debug your work?

Key Images



Open, close or share a file.



Save your work.



Watch the instruction video.



Design

Open design mode in 2Code.



Exit Design

Switch to code mode in 2Code.



A timer code block.



An object property.

Key Vocabulary I Should Know

algorithm

A precise step by step set of instructions used to solve a problem or achieve an objective.

action

Types of commands which are run on an object. They could be used to move an object or a change a property.

bug

A problem in a computer program that stops it working the way it was designed.

command

A single instruction in 2Code.

background

In 2Code the background is an image in the design that does not change.

Debug

Fixing a code that has errors so that the code will run the way it was designed to.

Key Resources



2Dos



Free code chimp



Tools