

Year 2 Route Explorers

Computing Knowledge Organiser



Key Learning

- To use the direction keys in 2Go to move the turtle along a route.
- To use units of distance along with the direction keys in 2Go to move along a route.
- To write instructions to complete more than one step of a route at once.
- To build up instructions for a longer route.

Key Vocabulary

Algorithm

A set of instructions in order.

Coding

Creating instructions for a computer, telling it what to do, step-by-step.

Computer Bug

Bug is the word used to describe an error in the way that a computer program works.

Command

An action such as, turn left.

Debugging

To find and remove bugs (errors) from a computer program.

Direction

The path that something travels. For example, a robot moving forwards or backwards.

Key Questions

What does a 2Go Command include?

A direction and a distance.

If your commands take the turtle on the wrong route, how do you get back to the start?

Click on the rewind button and then debug the code.

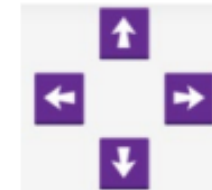
How do you work out the distance for a command?

Count the grid squares that the turtle must move.

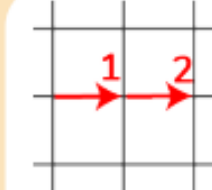
How many commands can be in a program?

Up to 10 commands.

Key Images



Direction commands



Distance commands



Undo



Command layouts/algorithms



Rewind

Key Resources



2Go