Over Hall Community School	Year: 1	Computing– Maze Explorers

What should I already know?

- Logical decision making, sequencing and following instructions through Lego builders.
- Introducing block coding, objects, actions and events, executing a program and debugging through coding.
- Use of 2Dos, saving, opening and editing work, sharing work, copying and pasting, mouse, keyboard and device skills.

What will I know by the end of the unit?

How do move things around the computer using 2Go?
- Use the directions keys to move forwards, backwards, left and right.
- Add a unit of measure to the direction in 2Go.
- To use Undo.
- How to move back to the start.

How to use the direction keys to control a character?
- Use diagonal direction keys.
- Create a simple algorithm.
- Debug the algorithm .

How to create an algorithm?
- Use additional keys to create a longer algorithm.

How to create new challenges?
- Change the background of the challenge.
- Save and Share on the display board the new challenge for others to try,

Open, close or share a file | Change the speed in which the screen object moves | Rewind an instruction | Undo an instruction | Change the settings in 2Go | Change the colour of the path that the object leaves in 2Go | Control the direction in which the object moves

Key Vocabulary

- **Algorithm** A precise, step-by-step set of instructions used to solve a problem or achieve an objective.
- **Challenge** A task to be completed.
- **Command** An action such as left command.
- **Direction** The path that something travels. For example, a robot moving forwards, backwards or diagonal.
- **Instruction** Detailed information about how something should be done or operated.
- **Left and Right** A position which relates to something. For example, make the fish move left of the screen.
- **Route** A path an object or thing takes to get somewhere.
- **Undo** If we make a mistake, we can press the undo button.
- **Unit** A unit such as make the turtle move 2 units (squares).

Key Questions
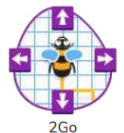
- **What is 2Go?**

2Go is a program that allows you to move an object around the screen using either the arrows or by creating a simple sequence of instructions.

- **How do I undo a mistake on 2Go?**

In 2Go, you can either click on the undo button to go back one step or the rewind button to go back to the start of the challenge.

Purple Mash Resources

- 2Go