

Year 1 Spring 2 Computing – Programming Toys



Big Question

Can I Train a pet Bee-bot?

Key Vocabulary for the unit:

Algorithm: A set of commands in an order.

Commands: Give an order or instruction.

Program: To give a device a set of instructions.

Code: The set of instructions.

Sequence : The order things need to happen.

Directions: The way you want something to move (forwards, backwards, right or left, clockwise, anti-clockwise)

Debug: Take out any mistakes in code.

Device: The electronic device you program, such as a Bee-bot.

Powerful knowledge/skills for this unit:

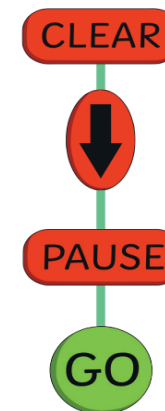
- ◆ I can create a set of instructions using pictures.
- ◆ I can say why it is important to write accurate instructions.
- ◆ I can write instructions to program a person like a computer.
- ◆ I can program a Bee-bot to move.
- ◆ I can debug and correct mistakes in code.
- ◆ I can program a sequence of code for a Bee-bot.

What I should already know from EYFS:

- ◆ I can develop my small motor skills so that I can use a range of tools competently, safely and confidently.
- ◆ I can show resilience and perseverance in the face of a challenge.

Useful diagrams for the unit:

algorithm



Bee-Bot



Instructions

Get the Bee-Bot to the flower.

