

Key learning

commons in a sequence.

• Move the Bebop in all

Choose the order of

• Debug a Bebop code. • Program a Beebot to follow a certain rule • Program a Bebop to go round certain obstacles.

four directions.

How do Beebots know where to go?



Empowered



- Use technology to help me achieve a goal.
- problem

Com





Debugging

Key vocabulary

Algorithm A set of instructions made up of commands for a computer or robot to follow to complete a task An error or fault in a programmer that Bug prevents it from running as expected

The language that we can use to tell a Code computer what to do

Coding Creating, designing and building a computer program to accomplish a goal

Command An instruction for the computer

> Finding and fixing problems in a computer program or algorithm





Coding - Our Learning Journey

Year I

- Using simple commands to move and change direction
- Editing characters and

- Year 2 conditionals Using repeat and forever loops
- Use different controls and Put a range of codes together to make a sequence
- Debugging simple programmes

Year 3

- Use commands, for loops and
- conditionals including when and if
- Use sensors and code them to work in different ways

Year 4

- Create and edit functions
- Include functions in a game on
- Use logic for conditional commands, including 'else' command

Year 5

- Use comparison and logical operators in a range of programmes
- Create different variables for speed and proximity sensors in robots
- Code sensors for different purposes

Year 6

- Use variables to keep score in a created game
- Create a game using a range of functions, loops, operators and
- Begin to use Python to code Micro:Bits