

Knowledge

- ❖ To know that an **algorithm** is a set of instructions.
- ❖ To know why algorithms are important in everyday life and when using computers.
- ❖ To know that **debugging** an algorithm means correcting mistakes.
- ❖ To understand the functionality of the direction keys.
- ❖ To understand **how** to create and debug a set of instructions (algorithm).



Safeguarding

- ❖ E-safety is taught and referenced throughout all Computing lessons. Children will be reminded of our E-safety rules and should begin to explain why we have them.
- ❖ Children will be supervised at all times when using a device.

Prior Knowledge (Year R)

- ❖ Programming and debugging Beebots.
- ❖ Following simple instructions and sequences.
- ❖ Logging onto the computers and Purple Mash.

Skills

- ❖ Can begin to read and follow a simple algorithm (using symbols and arrows).
- ❖ Can begin to plan a simple algorithm.
- ❖ Can debug a simple set of instructions.
- ❖ Can explain what the direction keys are and when appropriate, use the additional direction keys as part of an algorithm.

Key Vocabulary

- ❖ algorithm
- ❖ debug
- ❖ direction
- ❖ route
- ❖ challenge
- ❖ instruction
- ❖ undo
- ❖ command
- ❖ left and right
- ❖ forwards and backwards
- ❖ unit