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| --- | --- | --- |
| Key Questions |  | Key Images for Purple Mash |
| **What is an instruction?**  An instruction takes you through something step by step so that you can successfully complete a task.  **Why do we need to debug code?**  When you write code, it won’t always work correctly first time. When you search for the errors and correct them this is known as debugging. | 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.    Control the direction in which the object moves. |
| Forwards, Backwards, Left and Right |
| backwards left  right forwards |

 Knowledge Organiser

Autumn Term 2

**Computing – Algorithms**

|  |  |
| --- | --- |
| Vocabulary | |
| Instruction | Information about how something should be done. |
| Algorithm | A precise, step-by-step set of instructions used to solve a problem or achieve an objective. |
| Computer | An electronic device for storing and processing data. |
| Program | To provide (a computer or other machine) with coded |
| Debug | To find and remove errors from computer hardware or software. |
| Arrow | A mark or sign resembling an arrow, used to show direction or |
| Rewind | Move back several steps or to the start. |
| Undo | Cancel or reverse the instruction. |