**** Programming A – Moving a robot  **Year 1 Knowledge Organiser**

|  |
| --- |
| **Key Vocabulary**  |
| **Word** | **Definition** |
| Code | A set of rules of instructions. |
| Algorithm | A list of step-by-step instructions that a computer follows in order to get a task done. |
| Debug | when you find an issue in the program that you have written and repair it. |
| Program | a set of instructions to complete a task |

**Know how to:**

Explain what a given command will do

Act out a given word

Combine ‘forwards’ and ‘backwards’ commands to make a sequence

Combine four direction commands to make sequences

plan a simple program

Find more than one solution to a problem

**Key questions:**

How can simple commands to be used to control a robot?

How can you use two different programs to get to the same place

How do we identify and solve bugs in a simple program?

****