KS1 Computing Knowledge Organiser

Year 1 - Term 3 – Moving a Robot

Key Focus: be introduced to early programming concepts.

National Curriculum Objectives:

- understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions
- create and debug simple programs
- use logical reasoning to predict the behaviour of simple programs
- recognise common uses of information technology beyond school

Moving a Robot

-To explain what a given command will do

-To act out a given word

-To combine forwards and backwards commands to make a sequence

-To combine four direction commands to make sequences

-To plan a simple program

-To find more than one solution to a problem

Key vocabulary	
Word	**Meaning**
Command	An instruction given to tell a computer what to do.
Program	A set of instructions given to a computer so that it can function properly.
Debug	To find, remove or correct errors in a computer program.

Sticky Knowledge:

Commands are instructions given to computers.

A program is a set of instructions given to a computer.

To debug means to find problems in a computers program.