



Jerry Clay Academy
Subject Knowledge Organiser

Subject: Computing Year Group: 1 Term: Autumn 1

Core Learning of This Unit: We are treasure hunters:

- To know that a programmable robot can be controlled by inputting a sequence of instructions
- To develop and record sequences of instructions as an algorithm
- To program a robot to follow their algorithm
- To debug programs
- To predict how their programs will work.

Prior Learning:

National Curriculum Statements:

- 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

Key Vocabulary:

- Algorithm
- Bug
- Computer
- Debug
- Input
- Logical reasoning
- Output
- Program
- Robot

Significant People

- Link maps, instructions and resources to Paddington, London, The Queen etc
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