



Knowledge Organiser: Year 1 Computing – Autumn 2 – V4 2023



Children will know:

Unit 1.4 Lego Builders & Unit 1.5 Maze Explorers

- The importance of following instructions.
- How to follow and create simple instructions on the computer.
- How the order of instructions affects the end result.
- How to use direction keys to complete challenges.
- How to create and debug a set of instructions.

Prior Learning Links:

EYFS – Nursery F1

- Explore different ways in which objects can move

EYFS – Reception F2

- Talk about where they are moving a toy vehicle whilst moving it
- Plan a route for a toy vehicle to move

Future Learning Links:

Year 2 – Unit 2.4 Questioning

Key Facts/Information:

Purple Mash – Unit 1.4 Lego Builders

- Lesson 1 – Following Instructions
- Lesson 2 – Following & creating simple instructions on the computer
- Lesson 3 – Consider how the order of instructions affects the result

Purple Mash – Unit 1.5 Maze Explorers

- Lesson 1 – Challenges 1 & 2
- Lesson 2 – Challenges 3 & 4
- Lesson 3 – Challenges 5 & 6
- Lesson 4 – Setting more challenges

Key Vocabulary:

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|----------------|-------------|
| • Algorithm | • Sequence |
| • Computer | • Command |
| • Debugging | • Delete |
| • Instructions | • Direction |
| • Program | • Route |
| • Code | • Undo |

Reading Recommendations



Paint Projects



2Go