



Edenfield C E Primary School

Medium Term Plan - Sequence and Progression

Subject: Computing

Unit: Year 5 – Computational Thinking

Key Vocabulary

- Programming
- Command
- Simulation
- Variable
- Sequence
- Algorithms
- Decomposition
- Selection
- Reasoning
- Repetition

Lesson Sequence

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| 1. LO: To write a program that achieve a task |
| 2. LO: To use variables in programs |
| 3. LO: To use decomposition to create a program |
| 4. LO: To understand there is more than one way to solve a problem or task |
| 5. LO: To use repetition and selection in a program |
| 6. LO: To use reasoning to develop strategies that can be used to debug |
| 7. |
| 8. |
| 9. |

Skills

- Use repetition and selection in programs.
- Use variables in programs.
- Design and create programs using decomposition.
- Design programs to accomplish specific tasks or goals.
- Use logical reasoning to develop systematic strategies that can be used to debug algorithms and programs.

By the end of the unit pupil will know:

- Know the meaning of the key terms:
 - selection.
 - decomposition.
- Know the meaning of logical reasoning.
- Know that programs can be represented in different formats including written and diagrammatic.
- Understand the need for precision when creating sequences to ensure reliability.
- Understand that there are often different ways to solve the same problem or task.
- Understand that programming software can create simple and complex simulations.