



Buglawton Primary School

Be the Best We Can

Topic: Computer Science

Subject: Computing

Year: 5

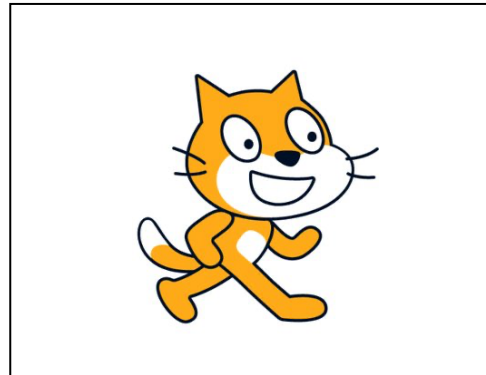
Term: Summer

What should I already know?

- Begin to understand the term decomposition.
- Explain what an algorithm does and some uses for an algorithm.
- Write more complex algorithms which complete tasks.
- Begin to use 'if... then' blocks to introduce selection to algorithms.
- Refine and use variables within algorithms.
- Begin to combine more large sections of code into a longer algorithm.

What will I know by the end of the unit?

- Define and explain the term decomposition.
- Explain what a variable is and give examples of variables that would be useful in programs.
- Begin to describe the real-life uses of algorithms and uses across the curriculum.



What will I be able to do by the end of the unit?

- Write more complex algorithms which complete tasks.
- Begin to use 'if... then' blocks to introduce selection to algorithms.
- Refine and use variables within algorithms.
- Begin to combine more large sections of code into a longer algorithm.

Agreed Real-life Outcome

- Produce a completed Scratch project involving these elements.

Spelling	Definition
Sequence	The order in which your algorithm is written.
Repeat	A function used for a set of coding blocks to complete the same action again.
Algorithm	A set of instructions written to achieve a specific outcome.
Program	A series of algorithms designed to achieve a specific goal.
Code	The process of writing algorithms and programmes.
Block	One part of your coding algorithm on Scratch.
Decomposition	Splitting a longer algorithm into smaller parts.
Efficient	The sequence which achieves the objective in the most organised method.
Variable	A block in an algorithm that can hold a value.