Buglawton Primary School

Be the Best We Can

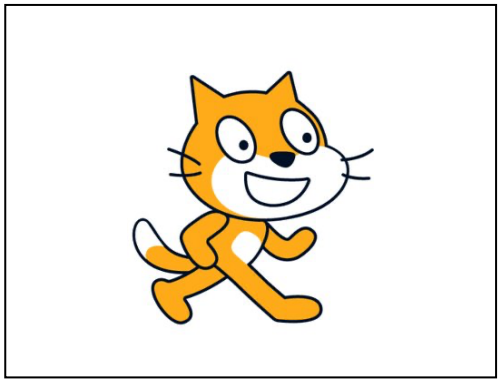
Topic: Computer Science	Subject: Computing	Year: 4	Term: Summer

What should I already know?

- Define key terms within coding such as: algorithm; de-bug; variable.
- Identify what key blocks in Scratch do.
- Describe what a character would do if a specific program was run.
- Write algorithms on more complex coding applications.
- Use repeat functions to create more efficient algorithms.
- Begin to de-bug incorrect code in block based algorithms.
- Begin to create and use variables within algorithms.

What will I know by the end of the unit?

- Begin to understand the term decomposition.
- Explain what an algorithm does and some uses for an algorithm.



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.

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.