Buglawton Primary School Be the Best We Can			
Topic: Computer Science	Subject: Computing	Year: 6	Term: Spring
What should I already know	?		
Define and explain the term decomp Explain what a variable is and give	position. examples of	Sr	Definition
 variables that would be useful in programs. Begin to describe the real-life uses of algorithms and uses across the curriculum. Confidently explain the difference between an algorithm, program as well as debugging and decomposition. Define sequencing, selection, variables and repetition and explain why they are needed in 		Sequer	The order in which your algorithm is written.
		Repeat	A function used for a set of coding blocks to complete the same action again.
		Algorit	hm A set of instructions written to achieve a specific outcome.
algorithms.		Progra	m A series of algorithms designed to achieve a specific goal.
What will I know by the end of the unit?		Code	The process of writing algorithms and
Confidently explain the difference betwee algorithm, program as well as debuggin decomposition	een an line line line line line line line lin	Block	programmes.
Define sequencing, selection, variables and explain why they are needed in alg	and repetition orithms.	BIOCK	Scratch.
		Decom	position Splitting a longer algorithm into smaller parts.
What will I be able to do by the end of the unit? Combine the use of repetition, sequencing, variables and selection to create complex programs by writing more complex algorithms.		Efficier	It The sequence which achieves the objective in the most organised method.
 Use a variety of inputs and outputs that interact together including some external outputs. 		ternal Variabl	e A block in an algorithm that can hold a value.
 Use logical reasoning to de-bug a range of both pre-created and self-created algorithms including to more efficient algorithms (e.g. better use of repetition etc) 		De-bug	ging Changing a program to ensure it achieves the specified objective.
Agreed Real-life Outcome		Selection	on Choosing an algorithm based on a set
 Produce a completed Scratch project involving these elements. Produce a game based on the blocks created. 			of criteria.