

Key Stage 2 YEAR 6 COMPUTING

National Curriculum KS2 Programme of Study	Chris Quigley Essential Skills Milestone 3	
<p>Pupils should be taught to:</p> <ul style="list-style-type: none"> design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts use sequence, selection, and repetition in programs; work with variables and various forms of input and output use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact. 	1. To code (using Scratch) <u>Sound</u>	<ul style="list-style-type: none"> Upload sounds from a file and edit them. Add effects such as fade in and out and control their implementation
	1. To code (using Scratch) <u>Events</u>	<ul style="list-style-type: none"> Set events to control other events by 'broadcasting' information as a trigger.
	1. To code (using Scratch) <u>Control</u>	<ul style="list-style-type: none"> Use ELSE conditions to control events or objects
	1.To code (using Scratch) <u>Sensing</u>	<ul style="list-style-type: none"> Use a range of sensing tools (<i>including proximity, user inputs, loudness and mouse position</i>) to control events or actions.
	1.To code (using Scratch) <u>Operators</u>	<ul style="list-style-type: none"> Join () () Letter () of () Length of () () Mod () This reports the remainder after a division calculation Round () () of ().
	2. To connect	<ul style="list-style-type: none"> Understand and demonstrate knowledge that it is illegal to download copyrighted material, including music or games, without express written permission, from the copyright holder. Understand how simple networks are set up and used.
	3. To communicate	<ul style="list-style-type: none"> Use many of the advanced features in order to create high quality, professional or efficient communications.
	4. To collect	<ul style="list-style-type: none"> Select appropriate applications to devise, construct and manipulate data and present it in an effective and professional manner.