Computing 2021-22 KEY VOCABULARY

Starting point	Autumn 2021	Spring 2022	Summer 2022
B2 **Y1/2**	We are TV chefs: Illustrating an Ebook. algorithm clip edit film instructions recipe robot video camera Switched on Computing	Common uses of IT beyond school. Google earth and IT used in spaceships. We are researchers: research the Windrush or Usain Bolt. Switched on Computing. (Yr2) Google mind map presentation research search search engine	Selecting, taking and editing photographs. (Yr2) camera image Picasa pixel portfolio theme Switched-on computing
B3 **Y2/3**	Selecting, taking and editing photographs. camera image Picasa pixel portfolio theme Switched-on computing.	Use Scratch Jnr and Scratch to design, programme and debug animations. algorithm animation input output program script storyboard	Use web searches and a range of software to create vlogs. vlogging search engine internet presentation narration Creative Commons copyright images audio screencast
B4 **Y4/5**	Developing software – developing a simple educational game debug input interface output program prototype repetition variable	We are musicians – producing digital music audio composition copyright digital instruments pitch sample sequencing software	We are co-authors – producing a wiki edit information mind map reliable style wiki Wikipedia's Five pillars
	Designing toys – creating a prototype of an interactive toy	We are HTML editors Editing and writing HTML	We are meteorologists – presenting the weather

	algorithm debug input interactive output pitch prototype simulation	code HTML HTTP (hyper text transfer protocol) hyperlink tag URL web page	chart data-logging forecast graph measurement prediction spreadsheet temperature
B 5 **Y5/6**	Developing an interactive game and cracking codes. binary code cipher decrypt encrypt Morse code password security semaphore	We are artists -Fusing geometry and art. geometric landscape op art sprite symmetry tessellations	Blogging- sharing ideas and opinions. audience blog blogroll copyright dashboard hyperlinks podcast
	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. algorithm debugging code programming sprites storyboard	Creating websites about cyber safety. bias e-safety Page Rank revision history search engine wiki 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. 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.	Architects – creating a virtual space. 3D animation gallery navigation screencast sculpture virtual 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. 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. ... be discerning in evaluating digital content.