











Computing National Curriculum Expectations KS2			
Pupils should be taught to:	Kapow's Computing Themes	Kapow Topics	
Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts	 Computational Thinking	Y3 > Journey Inside a Computer, Programming: Scratch Y4 > HTML, Computational Thinking Y5 > Micro:bit, Sonic Pi Y6 > Intro to Python,	
Use sequence, selection, and repetition in programs; work with variables and various forms of input and output	 Computational Thinking	Y3 > Programming: Scratch Y4 > Investigating Weather, Computational Thinking Y5 > Micro:bit, Sonic Pi Y6 > Intro to Python,	
Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs	 Computational Thinking	Y3 > Journey Inside a Computer, Programming: Scratch Y4 > Computational Thinking Y5 > Micro:bit, Sonic Pi, Y6 > Intro to Python,	
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	 Computers and Hardware	 Digital Literacy and Online Safety	Y3 > Networks, Emailing, Journey Inside a Computer Y4 > How the Internet Works, Y5 > Micro:bit, Search Engines, Y6 > Bletchley Park 1 and 2, Big Data 1
Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content	 Computers and Hardware	 Digital Literacy and Online Safety	Y3 > Y4 > How the Internet Works Y5 > Search Engines Y6 > Bletchley Park
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	 Computers and Hardware	 Digital Literacy and Online Safety	Y3 > Emailing Y4 > Investigating Weather, Y5 > Online Safety, Micro:bit, Sonic Pi, Y6 > Bletchley Park 1 and 2, Big Data
Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.	 Digital Literacy and Online Safety		Y3 > Emailing Y4 > HTML, Investigating Weather Y5 > Online Safety, Search Engines, Y6 > Bletchley Park 1 and 2, Big Data