Sharpness Primary School - Computing Progression

	R	Y1/2	Y3/4	Y5/6
Information Technology	• Use technology purposefully to create content Use • technology purposefully to store content Use technology • purposefully to retrieve content	• Use technology purposefully to organise digital content • Use technology purposefully to manipulate digital content • Use search technologies effectively • Use a variety of software to accomplish given goals • • Collect information • Design and create content Present information	• Select a variety of software to accomplish given goals • Select, use and combine internet based services • • Analyse information • Collect data Present data	• Combine a variety of software to accomplish given goals • Select, use and combine software on a range of digital devices • Analyse data • Evaluate data • Design and create systems
Digital Literacy	• • Use technology safely Keep personal • information private Recognise common uses of technology beyond school	• • Use technology respectfully • Use technology responsibly Identify where to go for help and support when they have concerns about content or • contact on the internet or other on-line technologies • Identify a range of ways to report concerns about contact Use communication technologies effectively	• Understand the opportunities computer networks offer for communication • Identify a range of ways to report concerns about content • Recognise acceptable / unacceptable behaviour • Use communication technologies to accomplish specific tasks	• Understand the opportunities computer networks offer for collaboration • Be discerning in evaluating digital content • Utilise a range of communication technologies to accomplish given goals

Computer Science	• Understand what algorithms are • Create simple programs	• Understand that algorithms are implemented as programs on digital devices • Understand that programs execute by following precise and unambiguous instructions • Debug simple programs • Use logical reasoning to predict the behaviour of simple programs	• Design programs that accomplish specific goals • • Design and create programs Debug programs that accomplish • • specific goals Use repetition in programs • Control or simulate physical systems Use logical reasoning to detect and correct errors in programs	• Solve problems by decomposing them into smaller parts • • Use selection in programs • Work with variables Use logical reasoning to explain how some simple • algorithms work Use logical reasoning to detect and correct errors
		• Write programs that accomplish specific goals Use • • sequence in programs Work with various forms of input • Work with various forms of output	• Understand how computer networks can provide multiple services, such as the World Wide Web • Appreciate how search results are selected	• in algorithms Understand computer networks, including the • internet Appreciate how search results are ranked