Computing

Subject	Quote to lead subject	Intent	Implementation	Impact
Computing	Technology is not just a tool. It can give learners a voice they may not have had before- George Couros	To create an informative, creative and technologically progressive curriculum that teaches the rights and responsibilities of a technologically developing world	By ensuring that children receive new material in small steps and with high quality modelling. Children will receive frequent opportunities to review the knowledge that they are gaining.	For children to have a fluency and confidence in computing that will enable them to grow with the ever- advancing ICT world. Ensuring theirs and others safety whilst doing so.

Computing	Autumn	Spring	Summer
Year 1	Technology around us Data Handling	Digital Writing Beebot Goes Wild	Digital Painting Sharing sweets Email
Year 2	Online Safety Making Music	Fire Of London SCRATCH project IT All Around Us Multimedia	Beebots Using The Internet
Year 3	Animation Internet Research Dinosaur SCRATCH project	Creating Media DTP Online Safety	Connecting Computers Programming
Year 4	Repetition In Shapes (programming) The Internet	Photo editing Online Safety	Draw a house in scratch Repetition In Games Databases
Year 5	Sharing Information Databases	Vector Drawing Online Safety	Video editing Pizza Party
Year 6	Code cracking Communication	Online Safety Webpage creation	3d Modelling Spreadsheets

Computing		1.1 use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies. 1.2 recognise common uses of information technology beyond school 1.3 use technology purposefully to create, organise, store, manipulate and retrieve digital content 1.4 understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions 1.5 create and debug simple programs	Spr & Sum
Computing		2.1 use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies. 2.2 recognise common uses of information technology beyond school 2.3 use technology purposefully to create, organise, store, manipulate and retrieve digital content 2.4 understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions 2.5 create and debug simple programs 2.6 use logical reasoning to predict the behaviour of simple programs	Spr Sum
Computing		3.1 use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact 3.2 use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content 3.3 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 3.4 design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts 3.5 use sequence, selection, and repetition in programs; work with variables and various forms of input and output	Spr & Sum

		3.6 use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs 3.7 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	
Computing		4.1 use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact 4.2 use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content 4.3 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 4.4 design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts 4.5 use sequence, selection, and repetition in programs; work with variables and various forms of input and output 4.6 use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs 4.7 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	Spr & Sum
Computing		5.1 use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact 5.2 use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs 5.3 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	

		5.4 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	
Computing		6.1 use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact 6.2 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 6.3 use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs 6.4 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 6.5 use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content	Spr & Sum