KS1 National Curriculum for Computing							
	<ul> <li>Pupils should be taught to: <u>Computer science</u></li> <li>understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions</li> <li>create and debug simple programs</li> <li>use logical reasoning to predict the behaviour of simple programs <u>Information Technology</u></li> <li>use technology purposefully to create, organise, store, manipulate and retrieve digital content</li> <li>recognise common uses of information technology beyond school <u>Digital Literacy</u></li> <li>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.</li> </ul>						
Y1	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	
	<mark>iSafe</mark> Online safety	iAlgorithm Giving and following instructions	<mark>iData</mark> Introducing data representation	<mark>iWrite</mark> Creating digital text	iProgram Algorithms and programming	iModel Adventure games	
Y2	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	

	<mark>iSafe</mark>	Computer skills	<mark>l Do Mail</mark>	<mark>iAnimate</mark>	i Program	iPub	
	Online safety	Locating, opening,	Introduction to	Creating	Algorithms and	Creating ebooks	
		closing, files and	email	animations	programming	ail	
		folders, programs					
		or apps. Effective					
		use of devices. Use					
		of touch screen					
		(swipe, drag and					
		drop, pinch to					
		enlarge etc.) Use					
		of keyboard and					
		mouse,					
		identification of					
		purpose of					
		different keys					
		(space, return,					
		delete, num lock					
		etc.) Basic MS					
		Office skills How to					
		use the internet					
		safely and					
		responsibly.					
		Effective use of					
		remote learning software					
		soltware					
KS2 National Curriculum for Computing							
KS2 National Curriculum for Computing							
	Pupils should be taught to:						
	<b>Computer scienc</b>	е					
		-					

	simulating physica use sequence, s input and output use logical rease errors in algorithm Information Techn understand com such as the world use search tech discerning in evalu select, use and devices to design goals, including co Digital Literacy use technology	se logical reasoning to explain how some simple algorithms work and to detect and correct ors in algorithms and programs ormation Technology inderstand computer networks including the internet; how they can provide multiple services, h as the world wide web; and the opportunities they offer for communication and collaboration is search technologies effectively, appreciate how results are selected and ranked, and be cerning in evaluating digital content elect, use and combine a variety of software (including internet services) on a range of digital rices to design and create a range of programs, systems and content that accomplish given als, including collecting, analysing, evaluating and presenting data and information					
/3	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	
	<mark>iSafe</mark> Online safety	<mark>iNetwork</mark> Introducing networks	<mark>iSimulate</mark> Exploring computer simulations	iProgram Games and animation development	<mark>iData</mark> Introducing databases	<mark>iPodcast</mark> Editing audio	

Y3

Y4	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	<mark>iSafe</mark> Online safety	iProgram Making shapes and navigating mazes	<mark>iData</mark> Data representation	<mark>iMail</mark> Working together with email	<mark>iAnimate</mark> Introduction to animation	iProgram Developing computational thinking and creating programs with Scratch
Y5	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	<mark>iSafe</mark> Online safety	<mark>iDraw</mark> Graphical drawing	iProgram Designing and developing programs	<mark>iCrypto</mark> Data and cryptography	<mark>iWeb</mark> Creating web content	<mark>iModel</mark> 3D graphical modelling
Y6	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	<mark>iSafe</mark> Online safety	iData Introducing spreadsheets	iNetwork Networks, Data and HTML/CSS	iProgram Designing and developing programs	<mark>iApp</mark> Developing apps	iApp Developing apps