Computing - Year 2

	Computing intent	Vocabulary
Aims	- can understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation - can analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems - can evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems - are responsible, competent, confident and creative users of information and communication technology.	algorithm, program, interactive, website, internet, digital, online, device, search, organise, retrieve, present, image, text, password, login, username, private, safe, respect, online safety, debug, create, logic, code, precise, instructions, steps, predict, create, organise, store, manipulate, retrieve, data,

	Knowledge and skills	Useful Units	Outcomes
Digital Literacy	- 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. - recognise common uses of information technology beyond school	iProgram (1) – Creating simple animations iPub – creating interactive eBooks iBlog – writing and responding using blogs iSearch – Using the web to find things out iAnimate – Introduction to animation iDo Mail – Introduction to email iProgram(2) – Programming with ScratchJr iSafe - eSaftey	Animations eBooks Blogs Emails Scratch programs Proficient internet searches
Information Technology	use technology purposefully to create, organise, store, manipulate and retrieve digital content	iPub – creating interactive eBooks iBlog – writing and responding using blogs iSearch – Using the web to find things out iAnimate – Introduction to animation iDo Mail – Introduction to email iProgram(2) – Programming with ScratchJr	**Cross-curricular links** iProgram (1) – Art, DT, English, Maths iPub – Art, English, History iBlog – English, PSHE iSearch – English, Science iAnimate – Art, DT, English, Music iDo Mail – Art, English
Computer Science	- understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions - use logical reasoning to predict the behaviour of simple programs - create and debug simple programs	iProgram - Creating simple animations iSearch – Using the web to find things out	iSafe - PSHE