Sibertswold Computing Progression of Knowledge and Skills

	Digital Literacy	Computer Science	Information Technology	E-Safety
Key Stage 1	Recognise common uses of information technology beyond school	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.	Use technology purposefully to create, organise, store, manipulate and retrieve digital content.	Use technology safely and responsibly; recognise acceptable/unacceptable behaviour; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.
Key Stage 2	Be discerning in evaluating digital content. Understand the opportunities [networks] offer for communication and collaboration. Use sequence, selection, and repetition in programs; work with variables and various forms of input and output. 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. Appreciate how search results are	Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.	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. Use search technologies effectively.	Use technology safely and respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.

	selected and ranked.			