

Curriculum Expectations in Wider Curriculum

Computing

Impact: As a result of teaching computing at St Michael's, we expect to see the following outcomes

Skills	KS1	LKS2	UKS2
Vocabulary			
<u>Digital Literacy</u> Autumn Term: Online safety and internet	-Recognise uses of information technology beyond school -Use technology safely and respectfully, including: *communicating online 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.	-Understand the opportunities computer networks offer for communication -Identify a range of ways to report concerns about content -Recognise acceptable/unacceptable behaviour -Know the effects of cyber bullying and know how to prevent it	-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 -Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content -Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; -Identify a range of ways to report concerns about content and contact.
<u>Information Technology</u> Spring Term: Computer Skills	-Use logical reasoning to make predictions -Create, organise, store, manipulate and retrieve digital content -Use technology purposefully to organise and manipulate digital content.	-Select a variety of software to accomplish given goals -Select, use and combine internet services -Analyse information -Evaluate information -Collect data -Present data	-Select, use and combine a variety of software 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 Presenting data & information
<u>Computer Science</u> Summer Term: Programming	-Understand that algorithms are used as programs on digital devices -Understand that programs execute by following precise and unambiguous instructions -Create and debug simple programs - use logical reasoning to predict the behaviour of simple programs	-Write programs that accomplish specific goals -Use sequence in programs -Work with various forms of input -Work with various forms of output -Write 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	-Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; -Solve problems by decomposing them into smaller parts -Use sequence, selection, and repetition in programs; -Work with variables and various forms of input and output -Use logical reasoning to explain how some simple algorithms work -Detect and correct errors in algorithms and programs