

ST Michael's Computing Overview

Key Stage 1

	Autumn	Spring	Summer
Themes	Online safety & internet	Computer skills	Programming
NC Objectives	<ul style="list-style-type: none"> •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. 	<ul style="list-style-type: none"> •recognise common uses of information technology beyond school 	<ul style="list-style-type: none"> •understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions •create and debug simple programs •use logical reasoning to predict the behaviour of simple programs
<i>Apps & software for i-pads</i>	<i>i-movie</i>	<i>Colorfy app – painting</i> <i>i-work – word processing</i>	<i>Bee-bot</i>
Y1	Online safety	Painting Word processing skills Using and applying	Programming toys
Y2	Online safety Using the internet	Computer Art Presentation skills	Programming toys

ST Michael's Computing: Key Stage 2

	Autumn	Spring	Summer
Themes	Online safety & internet	Computer skills	Programming
NC Objectives	<ul style="list-style-type: none"> •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. 	<ul style="list-style-type: none"> •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 and presenting data and information 	<ul style="list-style-type: none"> •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
<i>Apps & software for i-pads</i>	<i>i-movie</i>	<i>i-work – word processing Keynote- presentation SketchUp – 3D Numbers - spreadsheets</i>	<i>Programming - Pyonkee Animation - toontastic</i>
Y3	Online safety Internet research and communication	Word processing Presentation skills	Programming – Pyonkee
Y4	Online safety Internet research and I-movie	Word processing Using and applying	Programming – Pyonkee
Y5	Online safety Internet research and I-movie	3D modelling - SketchUP	Programming – Pyonkee Introduction to Animation
Y6	Online safety Film making	Website Design Spreadsheets	Animated stories