



Computing Progression of Skills at STJFTM

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Computing Systems and Networks	-Recognise common uses of information technology beyond school (1.1)	-Recognise common uses of information technology beyond school (2.1)	-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 (3.1)	-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 (4.1)	-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 (5.1)	-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 (6.1)
Programming	-Understand what algorithms are, how they are implemented as programs on digital devices, and that programs execute by following precise and unambiguous instructions (1.3/1.6) -Create and debug simple programs (1.3/1.6) -Use logical reasoning to predict the behaviour of simple programs (1.3/1.6)	-Understand what algorithms are, how they are implemented as programs on digital devices, and that programs execute by following precise and unambiguous instructions (2.3/2.6) -Create and debug simple programs (2.3/2.6) -Use logical reasoning to predict the behaviour of simple programs (2.3/2.6)	-Design, write and debug programs that accomplish specific goals including controlling or simulating physical systems; solve problems by decomposing them into smaller parts (3.6) -Use sequence, selection, and repetition in programs; work with variables and various forms of input and output (3.1/3.6) -Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs (3.6)	-Design, write and debug programs that accomplish specific goals including controlling or simulating physical systems; solve problems by decomposing them into smaller parts (4.6) -Use sequence, selection, and repetition in programs; work with variables and various forms of input and output (4.6) -Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs (4.6)	-Design, write and debug programs that accomplish specific goals including controlling or simulating physical systems; solve problems by decomposing them into smaller parts (5.1/5.6) -Use sequence, selection, and repetition in programs; work with variables and various forms of input and output (5.1/5.3/5.6) -Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs (5.3/5.6)	-Design, write and debug programs that accomplish specific goals including controlling or simulating physical systems; solve problems by decomposing them into smaller parts (6.1)
Data and Information	-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 (1.1)	-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 (1.6)	-Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content (3.5)	-Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content (4.1/4.5) -Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact (4.1/4.5)	-Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content (6.1/6.2)	-Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content (6.1/6.2)
Creating media	-Use technology purposefully to create, organise, store, manipulate and retrieve digital content (1.3/1.6)	-Use technology purposefully to create, organise, store, manipulate and retrieve digital content (2.3/2.6)	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 (3.1/3.5/3.6)	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 (4.1/4.5/4.6)	-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 (5.1/5.3/5.6)	-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 (6.1/6.2/6.4)