



	Year 1	Year 2
Computers and Using Computers	<ul style="list-style-type: none">• CUC1 recognise common uses of information technology in the home and school environment• CUC2 use technology to purposely create digital content	<ul style="list-style-type: none">• CUC1 recognise common uses of information technology beyond school• CUC2 use technology to purposely create, organise, store, manipulate and retrieve digital content• CUC3 use technology to purposely create digital content comparing the benefits of different programs
Online Safety	<ul style="list-style-type: none">• OS1 understand where to go for help and support when he/she has concerns about content or contact on the internet or other online technologies• OS2 use technology safely and respectfully, keeping information private	<ul style="list-style-type: none">• OS1 use technology safely and keep personal information private• OS2 understand where to go for help and support when he/she has concerns about content or contact on the internet or other online technologies
Coding	<ul style="list-style-type: none">• C1 predict the behaviour of simple programs• C2 understand what algorithms are and how they are implemented on digital devices• C3 create and debug simple programs	<ul style="list-style-type: none">• C1 use logical reasoning to predict the behaviour of simple programs• C2 create simple programs• C3 create and debug simple programs• C4 debug simple programs by using logical reasoning to predict the actions instructed by the code• C5 understand what algorithms are, how they are implemented and that programs execute by following precise and unambiguous instruction
Networks		
Web Searching		



	Year 3	Year 4
Computers and Using Computers	<ul style="list-style-type: none"> • CUC1 recognise familiar forms of input and output devices and how they are used • CUC2 make efficient use of familiar forms of input and output devices • CUC3 with support select and use a variety of software to accomplish goals 	<ul style="list-style-type: none"> • CUC1 use other input devices such as cameras or sensors • CUC2 with support select and use a variety of software on a range of digital devices • CUC3 with support select, use and combine a variety of software on a range of digital devices to accomplish given goals
Online Safety	<ul style="list-style-type: none"> • OS1 use technology safely and respectfully, keeping personal information private • OS2 use technology safely and recognise acceptable and unacceptable behaviour 	<ul style="list-style-type: none"> • OS1 use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour • OS2 understand where to go for help and support when he/she has concerns about content or contact on the internet or other online technologies
Coding	<ul style="list-style-type: none"> • C1 design, write and debug programs that control or simulate virtual events • C2 use logical reasoning to explain how some simple algorithms work 	<ul style="list-style-type: none"> • C1 decompose programs into smaller parts • C2 use logical reasoning to detect and correct errors in algorithms and programs • C3 select, use and combine a variety of software, systems and content that accomplish given goals
Networks	<ul style="list-style-type: none"> • N1 understand that computer networks enabling the sharing of data and information • N2 understand that the internet is a large network of computers and that information can be shared between computers 	<ul style="list-style-type: none"> • N1 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
Web Searching	<ul style="list-style-type: none"> • WS1 use simple search technologies • WS2 use simple search technologies and recognise that some sources are more reliable than others 	<ul style="list-style-type: none"> • WS1 understand how results are selected and ranked by search engines



	Year 5	Year 6
Computers and Using Computers	<ul style="list-style-type: none"> CUC1 independently select and use appropriate software for a task CUC2 independently select, use and combine a variety of software to design and create content for a given audience 	<ul style="list-style-type: none"> CUC1 independently select, use and combine a variety of software to design and create content for a given audience, including collecting, analysing, evaluating and presenting data and information CUC2 design and create a range of programs, systems and content for a given audience CUC3 independently select, use and combine a variety of software to collect, analyse, evaluate and present data and information
Online Safety	<ul style="list-style-type: none"> OS1 understand the need to only select age appropriate content OS2 use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour 	<ul style="list-style-type: none"> OS1 use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour OS2 identify a range of ways to report concerns about content and contact in and out of school
Coding	<ul style="list-style-type: none"> C1 design, input and test an increasingly complex set of instructions to a program or device C2 design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems C3 design, write and test simple programs that follow a sequence of instructions or allow a set of instructions to be repeated C4 design, write and test simple programs with opportunities for selection, where a particular result will happen based on actions or situations controlled by the user C5 use logical reasoning to explain how increasingly complex algorithms work to ensure a program's efficiency 	<ul style="list-style-type: none"> C1 include use of sequences, selection and repetition with the hardware used to explore real world systems C2 solve problems by decomposing them into smaller parts C3 create programs which use variables C4 use variables, sequence, selection and repetition programs C5 use logical reasoning to explain how increasingly complex algorithms work and to detect and correct errors in algorithms and programs efficiently
Networks	<ul style="list-style-type: none"> N1 begin to use internet services to share and transfer data to a third party N2 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 	<ul style="list-style-type: none"> N1 understand how computer networks enable computers to communicate and collaborate N2 begin to use internet searches within his/her own creations to share and transfer data to a third party
Web Searching	<ul style="list-style-type: none"> WS1 use filters in search technologies effectively WS2 use filters in search technologies effectively and appreciate how results are selected and ranked 	<ul style="list-style-type: none"> WS1 use filters in search technologies effectively, appreciate how results are selected and ranked and is discerning when evaluating digital content