Yr1	~~Computer Science~~Programming	Information technology	~~Digital Literacy~~E-safety
	• Understand what simple algorithms are • Create simple programs	• Use technology purposefully to create digital content • Use technology purposefully to store digital content • Use technology purposefully to retrieve digital content	• Use technology safely • Keep personal information private • Recognise common uses of information technology beyond school
Yr2	Programming~~Computer Science~~	Information technology~~Information technology~~	E-safety ~~Digital Literacy~~
	• Understand that algorithms and implemented as programs on digital devices • Understand that programs execute by following precise and unambiguous instructions • Debug simple programs • Use logical reasoning to predict the behaviour of simple programs	• Use technology purposefully to organise digital content • Use technology purposefully to manipulate digital content	• Use technology respectfully • Identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.
Yr3	Programming~~Computer Science~~	Information technology~~Information technology~~	E-safety ~~Digital Literacy~~
	• Write programs that accomplish certain goals • Use sequence in programs	• Use search technologies effectively	• Use technology responsibly

	• Work with various forms of input • Work with various forms of output	• Use a variety of software to accomplish given goals • Collect information • Design and create content • Present information	• Identify a range of ways to report concerns about contact
Yr4	**ProgrammingComputer Science**	**Information technologyInformation technology**	**E-safety Digital Literacy**
	• Design 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 • Understand how computer networks can provide multiple services, such as the World Wide Web • Appreciate how search results are selected	• Select a variety of software to accomplish given goals • Select, use and combine internet services • Analyse information • Evaluate information • Collect data Present data	• Understand the opportunities computer networks offer for communication • Identify a range of ways to report concerns about content • Recognise acceptable/unacceptable behaviour

Yr5	Programming~~Computer Science~~	Information technology~~Information technology~~	E-safety ~~Digital Literacy~~
	• Design, input and test an increasingly complex set of instructions to a program or device • Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems • Design, write and test simple programs that follow a sequence of instructions or allow a set of instructions to be repeated • Design, write and test simple programs with opportunities for selection, where a particular result will happen based on actions or simulations controlled by the user • Use logical reasoning to explain how increasingly complex algorithms work to ensure a program's efficiency.	• Begin to use internet services to share and transfer data to a 3rd party • Independently select and use the appropriate software for a task • Independently select, use and combine a variety of software to design and create content for a given audience • Combine a variety of software to accomplish given goals • Select, use and combine software on a range of digital devices • Analyse data • Evaluate data • Design and create systems	• Understand the need to only select age appropriate content • Use filters in search engines effectively • Use filters in search engines effectively and appreciate how results are selected and ranked

Yr6	Programming~~Computer Science~~	Information technology~~Information technology~~	E-safety ~~Digital Literacy~~
	• Solve problems by decomposing them into smaller parts • Use selection in programs • Work with variables • Use logical reasoning to explain how some simple algorithms work • Use logical reasoning to detect and correct errors in algorithms • Design and create a range of programs, systems and content for a given audience • Use logical reasoning to explain how increasingly complex algorithms work to ensure a program's efficiency.	• Combine a variety of software to accomplish given goals • Select, use and combine software on a range of digital devices • Analyse data • Evaluate data • Design and create systems • Understand computer networks, including the internet • Appreciate how search results are ranked	• Understand the opportunities computer networks offer for collaboration • Be discerning in evaluating digital content • Use filters in search technologies effectively when evaluating digital content •