Computing
Progression Document

	Computer Science (coding)	Digital Literacy (online safety)	Information Technology (creating content)
Year 6	Can I design, write and debug their own computer control application? Can I solve problems by decomposing them into smaller parts? Can I use logical reasoning to detect and correct errors in algorithms and programs? Can I understand computer networks including the internet? Can I understand how networks can provide multiple services, such as the world wide web?	Can I use technology in ways which minimises risk. e.g. responsible use of online discussions? Do I understand that some messages may be malicious and know how to deal with this? Do I understand that online environments have security settings, which can be altered, to protect the user? Do I understand the benefits of developing a 'nickname' for online use? Can I understand that some malicious adults may use various techniques to make contact and elicit personal information? Do I know that it is unsafe to arrange to meet unknown people online and know how to report any suspicions? Do I know to create strong passwords and manage them so that they remain strong? Do I understand that copyright exists on most digital images, video and recorded music?	Can I design and create a range of programs, systems and content that accomplish given goals?

Computing
Progression Document

	Computer Science (coding)	Digital Literacy (online safety)	Information Technology (creating content)
Year 5	Can I design, write and **debug** programs that accomplish specific goals? Can I use sequence, selection and repetition in programs that work with various forms of input and output? Can I use logical reasoning to explain how some simple algorithms work?	Do I understand that you have to make choices when using technology and that not everything is true and/or safe? Can I make safe choices about the use of technology? Can I discuss the positive and negative impact of the use of ICT in my own life, my friends and family? Do I understand the potential risk of providing personal information online? Can I recognise why people may publish content that is not accurate and understand the need to be critical evaluators of content? Do I understand that some websites and/or pop-ups have commercial interests that may affect the way the information is presented? Do I know that content put online is extremely difficult to remove? Do I understand that the internet contains fact, fiction and opinion and begin to distinguish between them?	Can I select, use and combine a variety of software (including internet services) on a range of digital devices? Can I collect, analyse, evaluate and present data and information? Can I use strategies to verify information, e.g. cross-checking?

Computing
Progression Document

	Computer Science (coding)	Digital Literacy (online safety)	Information Technology (creating content)
Year 4	Can I design and write programs that accomplish specific goals? Can I use sequence, selection and repetition in programs.? Can I work with various forms of input and output?	Do I know how to respond if asked for personal information or feel unsafe about the content of a message? Can I recognise that information on the internet may not be accurate or reliable? Do I understand the need for caution when using an internet search for images and what to do if I find an unsuitable image? Do I know how to report an incident of cyber bullying? Do I understand what computer networks do and how they provide multiple services? Can I say where it is best to use technology and where it adds little or no value?	Can I select and use software to accomplish given goals? Can I collect and present data and information? Can I use search technologies effectively? Do I appreciate how search results are selected and ranked?
Year 3	Can I write programs that accomplish specific goals? Can I use sequence in programs? Can I work with various forms of input? Can I work with various types of output.	Can I use technology safely, respectfully and responsibly? Can I recognise acceptable and unacceptable behaviour? Do I know a range of ways to get help if I am concerned? Do I understand the need for rules to keep me safe when exchanging learning and ideas online? Do I understand the need to keep personal information and passwords private and that making personal information available online it may be seen and used by others?	Can I use a range of software for similar purposes? Can I collect information? Can I design and create content? Can I present information Can I search for information on the web in different ways? Can I manipulate and improve digital images?

Computing
Progression Document

	Computer Science (coding)	Digital Literacy (online safety)	Information Technology (creating content)
Year 2	Can I understand that algorithms are programs on digital devices? Can I create and debug simple programs using precise and unambiguous instructions?	Can I use technology safely and respectfully? Do I know where to go for help and support if they have concerns about content on the internet? Do I know now how technology is used in school and outside of school?	Can I organise digital content? Can I retrieve and manipulate digital content? Can I navigate the web to complete simple searches?
Year 1	Can I understand what algorithms are? Can I create simple programs?	Can I use technology safely? Can I say how to keep personal information private? Do I know now how technology is used in school and outside of school?	Can I create digital content? Can I save digital content? Can I retrieve digital content? Can I use a website? Can I use a camera? Can I record sound and play back?
Reception	Can I operate simple equipment?	Do I know to ask permission to use apps and computers?	Can I begin to use a keyboard?
Nursery	Can I operate simple equipment?	Do I know to ask permission to use apps and computers?	N/A