

Progression of Skills in Computing

	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	Computing						
E-Safety				<ul style="list-style-type: none"> *Know what makes a safe password and how to keep them safe. *Understand how the internet can be used to help us communicate. *Understand how a blog can be used to help us communicate with a wider audience. *Understand that some information on websites may not be true and think about why these sites exist. *How to check information on a website is accurate. *Understand the meaning of age restrictions symbols and why they exist. *Know where to turn for help if they see inappropriate content or have inappropriate contact from others. 	<ul style="list-style-type: none"> * To understand how pupils can protect themselves online from identity theft. *Understand that information put online leaves a digital footprint or trail. *Identify the risks and benefits of installing software and apps. *Understand that copying the work of others is 'plagiarism' and consider the consequences of this. *To identify appropriate behaviour when working online with others. *Understand the importance of balancing screen time with other parts of their lives. 	<ul style="list-style-type: none"> *Gain a greater understanding of the impact sharing digital content can have. *Review sources of support when using technology. * Understand pupils' responsibility to one another in their online behaviour. *Know how to maintain secure passwords. *Understand the advantages and disadvantages, permission and purpose behind altering an image digitally. *To be aware of appropriate and inappropriate text, photos and videos and the impact of sharing these online. *To learn how to reference sources in their work. *Search the internet with a consideration for the reliability of the sources and understand the impact of incorrect information. *Ensuring reliability through using methods of communication. 	<ul style="list-style-type: none"> *Identify benefits and risks of mobile devices broadcasting the location of the user/device. *Identify secure sites by looking for privacy seals or approval. *Identify the benefits and risks of giving personal information and device access to different software. *Review the meaning of digital footprint and understand why and how people use information to create a virtual image of themselves as a user. *Have a clear idea of appropriate online behaviour and how this can protect themselves and others from online dangers and bullying. *Begin to understand how information online can persist and give away details of those who share and modify it. *Understand the importance of balancing screen time with other parts of their lives. *Identify the positive and negative influences of technology on health and the environment.
Computer Science							

Digital Literacy							
Information Technology							

KS2 National Curriculum Expectations for Computing:

- 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 and to detect and correct errors in algorithms and programs
- 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
- 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
- use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.