



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Nursery	Children will be encouraged to explore different devices in a curious and explorative way. They will be encouraged to begin to have discussions with their friends and teachers about how things work and the technology all around them. The children will be taught about online safety and its importance, and these messages will continue throughout the year.	Children will be supported to explore and control technology, using the buttons and functions to see what happens. They will use technology for a purpose, taking photos using a tablet. Through the photography sessions, we will introduce the concept of asking for permission, an ongoing theme linked to online safety.	Children will continue to explore the idea that devices can be used for a purpose, and they will be taught how to select an icon on a screen using the mouse click. Children will continue to be offered the opportunity to interact with technology around them, through role play situations. There is a continued emphasis on online safety.	Children will be able to identify technology around them and its uses. They will use technology in new ways in school interacting with and controlling story and rhyme apps. Whilst using new apps and games, children will have online safety messages reinforced.	Children will be introduced to simple precursors to algorithms and programming. They will begin to understand that all devices require a sequence of instructions and human input to work. Online safety continues to be prominent throughout the curriculum.	Children will learn what technology to use for a task, moving away from 'snapping' photos to arranging an image and taking one photograph with purpose. They will learn how to use the video function and take purposeful videos of their friends engaging in storytelling and singing, remembering to ask for permission as per previous online safety teaching.
Reception	Children will understand the cause-and-effect nature of actions when using equipment such as tablets and computers. They will become aware of a wider range of technology around them and their uses. They will be introduced to the idea of personal information which links to closely to the topic of 'me and my friends'.	Children will create their own simple sets of instructions for processes they are very familiar with. Children will interact with specific apps and programmes to control a game, of the teachers' and their own choosing. A continued focus on online safety will be a part of all teaching, and healthy choices about screen time will link with our topic.	Children will focus on programming this half term, working with friends and by themselves to develop simple instructions to create models of their own design. There will be an opportunity for parents to engage with their children's online safety teaching with poster competitions.	Building on previous learning and experiences of algorithms and programming, children will explore how to develop their own instructions to direct their friends from A to B. Online safety will continue to be a key focus throughout.	Children will explore how to use digital media creatively. They will be able to choose the most appropriate app/programme to create their own digital art work, using controls to create, edit and improve their own work. They will confidently open and use apps and programmes of their own. Online safety will continue to be a key focus throughout.	Children will use the mouse and keyboard to good effect, being supported to add captions to their own art work, building on editing skills from last half term and as a precursor to further computer editing in Year 1. They learn to take photos and videos of friends, with appropriate permissions. Online safety messages will be revisited and revised throughout.
Year 1	Children will use their knowledge of exploring technology in the Early Years and build on the basic skills of using a mouse and keyboard. They will use these skills for a purpose and explain how and why they used the tools they have used. They will also build on key online safety messages that are repeated and expanded upon throughout school.		Children will have the opportunity to apply their knowledge of using technology to more complex devices and will begin to think about programming. They will also be introduced to how computers can be used to find, store and compare data. Online safety messages are delivered throughout.		Children will build upon skills they have learnt throughout the year, in both media and programming. They are also introduced to animation which they will go onto explore further in Year 2. At this stage, the children will be becoming more confident with a wide range of basic computing skills and will have more creative opportunities. Online safety messages are delivered throughout.	
Year 2	This term, children will build on their introduction to 'Technology around us' and will research more broadly the kinds of IT we use everyday in and around school. This will allow the children to see how IT helps us in our day to day lives. Importantly, children will also look in more depth at how to stay safe when using this technology.		These modules build on the data and programming modules from Year 1, allowing the children to develop their confidence and skill. Children to expand on these skills by beginning to use their reasoning skills to predict the outcome of a program. Online safety messages are delivered throughout.		The children will have the opportunity to use the skills they have accumulated throughout the key stage and will ultimately explore how IT is used for a purpose. They will also be challenged to come up with their own designs and to find ways of improving their work. Online safety messages are delivered throughout.	