


Computing Long Term Plan 2021-22

		Autumn term 1	Autumn term 2	Spring term 1	Spring term 2	Summer term 1	Summer term 2
 Nursery	Computing	Cause and effect - links to Science.	Cause and effect - links to Science - things that light up: buttons and switches.	Touch-screen technology - ipads to take photos, develop understanding of using smartboards	Using technology to play simple games to support learning., ipads and smartboards.	What the internet is and how to use it safely.	Using the internet to find information. Review e-safety.
	E-safety	Simple safety rules for using technological equipment in school, and who to tell if worried. <i>Content will be appropriate to equipment and activities introduced, and age and stage of the children, but e-safety elements will be specifically taught each half term.</i>					
Reception	Computing	Cause and effect - further links to Science.	Cause and effect - links to Science - things that light up: buttons and switches. Bee-bots.	Touch-screen technology - ipads to record activities, develop understanding of using smartboards	Using technology to play simple games to support learning. Bee-bots, ipads and smartboards.	What the internet is and how to use it safely. Reception also introduction to PCs in ICT suite.	Using the internet to find information. Review e-safety. Reception log on with support and create pictures on simple programme on PCs.
	E-safety	Simple safety rules for using technological equipment in school, and who to tell if worried. <i>Content will be appropriate to equipment and activities introduced, and age and stage of the children, but e-safety elements will be specifically taught each half term.</i>					
Year 1	Computing	Grouping and sorting		Lego builders		Coding	
	E-safety	1-Internet safety - learn about exciting places online whilst remaining safe	2-Information literacy - searching the internet	3-Privacy & security - handling requests for personal information from online sites	4-Information Literacy & Copyright / creative credit - taking ownership of their digital work, putting name and date on.	5 - relationships & communication - how emails can help connect families and communities.	
	Basic Skills	Introduction to Microsoft word		Spreadsheets			

Year 2	Computing	Questioning		Effective searching		Making music	
	E-safety	1-Internet safety - choosing appropriate websites and avoiding unsuitable ones	2-Digital footprint & reputation / privacy and security - nothing is completely deleted online and managing their digital footprint	3-Cyberbullying / Relationships & communication - explore meaning of cyberbullying and how to react if they encounter it	4-Information Literacy - keyword searching as effective method to locate information online	5-Information Literacy - criteria for rating informal websites and impact of using poor quality websites and information.	
	Basic Skills	Opening Microsoft word Basic typing	Changing font and size Changing colour of text	Saving a document in a specific style Opening an existing document	Revisit - spreadsheets		
Year 3	Computing	Coding		Email		Simulations	
	E-safety	1-Privacy & security - use of passwords and creating strong, secure passwords	2 - Relationships & communication - how online communications can bring communities and people together	3-Information Literacy- examine product websites and how their purpose is to sell items.	4-Relationship & communication - compare in-person and online communications and how to write clear, respectful messages online.	5-Relationships & communication - effective communication via email - the purpose and audience applicable to their tone.	
	Basic Skills	Inserting a picture	Aligning text	Undo button	Spread sheets progression		
Year 4	Computing	Animation		Logo		Effective searching	
	E-safety	1-Self image & identity and Relationships & communication - responsible and respectful offline and online	2-Privacy&security and information literacy - protecting identity from online theft, sharing information online.	3- Internet safety & cyberbullying - what actions can they take to stand up to cyberbullies	4 - Information literacy - strategies to increase accuracy of searches.	5- Creative credit & copyright / information literacy - using copy righted work is plagiarism - when and how its okay to use the work of others.	
	Basic Skills	(All of the above) Inserting and using					

		a table					
Year 5	Computing	Coding		Databases		Game creator	
	E-safety	1-privacy & security - creating strong, secure password to increase online protection	2-relationships & communication / self image & identity - common expectations to create a strong digital community.	3-Privacy & security - what spam is and what form it takes. Strategies in dealing with spam.	4-Information literacy - importance in citing sources when doing research. Writing bibliographical citations for online sources	5-Creative credit & copyright / information literacy / self image & identity - how photos can be altered online, the distortion of beauty and health through image manipulation.	
	Basic Skills	(All of the above) Using spell checker					
Year 6	Computing	Blogging		Coding		Quizzing	
	E-safety	1-Internet safety / relationships & communication - developing rewarding relationship online but not revealing private information.	2- Relationships & communication / self image and identify - how to help resolve poor digital citizenship if they witness it	3 - Privacy & security - identify secure sites looking at privacy policies and settings	4 - Cyberbullying / Relationships & communication - strategies to deal with cyberbullying and comparison with in person bullying	5 - Information literacy / self image & identity - explore the powerful role media plays in shaping our ideas.	
	Basic Skills	(All of the above) Using thesaurus tool					