

Computing LTP 2020 - 2021

(Catch up computing curriculum from previous year group to be taught in the autumn term)

		Autumn term 1	Autumn term 2	Spring term 1	Spring term 2	Summer term 1	Summer term 2
Foundation		<p>Nursery:</p> <p>To turn on ICT equipment e.g. washing machine, dryer, laptop, shutters camera. To operate mechanical toys e.g. turns the knob on a wind up toy or pulls back on a friction car To be able to turn on a CD player and use a remote control To be able to make toys work by pressing parts or lifting flaps to achieve effects such as sound or movement To understand that we can get information from computers To show interest in toys with knobs or pulleys To understand how to go places safely online</p>					
		<p>Reception:</p> <p>To complete a simple program on a computer To use ICT hardware To understand that a range of technology is used in places such as homes and schools e.g. what technology is used on the farm? To select and use technology for a particular purpose e.g. use a camera to take a photograph of a tower they built, a beautiful flower outside. To understand how to keep themselves safe online e.g. don't talk to strangers, always have an adult with you when using a mobile phone or tablet</p> <p>Purple mash resources: Simply city - how is technology used to help us? Going places safely online ABC searching Keep it private My creative work</p>					
Year 1	Computing	Grouping and sorting		Lego builders		Coding	
	E-safety	1-Internet safety - learn about exciting places online whilst	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	5 - relationships & communication - how emails can help connect families and	

		remaining safe			their digital work, putting name and date on.	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 effect 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	2-Privacy&security and information literacy - protecting identity from online theft, sharing information	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	

		and online	online.			to use the work of others.	
	Basic Skills	(All of the above) Inserting and using a table					
Year 5	Computing	<i>Coding</i>		Databases		<i>Game creator</i>	
	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	<i> Blogging</i>		Text adventures		<i>Quizzing</i>	<i>Coding</i>
	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					