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St. Alban Catholic Schools' Partnership

Subject: Computing Years 1-6									
YEAR GROUP	EYFS	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6		
Digital Literacy – Hardware/Secretarial	 Learn and use new vocabulary. Develop their small motor skills so that they can use a range of tools competently, safely and confidently for using keys on a key board, pressing/ scrolling/clicking /turning buttons. 	To know the hardware parts of computer – monitor, laptop, mouse, keyboard, left click, right click.	 To know the hardware parts of computer – monitor, laptop, mouse, keyboard, left click, right click, USB, floppy disk, CD. Understand the history of portable storage – floppy disk-CD-USB. 	Use a trackpad on a laptop.					





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 To know that caps lock can be used when when writing words and sentences in capitals. Use a 'qwerty' keyboard (letters and simple punctuation). Be able to use the shift button instead of caps lock. Know that keyboards dirther punctuation). Be able to use the shift button instead of caps lock. Know that keyboards dirther punctuation). Be able to use the shift button instead of caps lock. Know that keyboards are in capital letters. Know that keyboards are in capital letters. Know how to use font size. Know how to use underline 	 Use number lock for typing lists of numbers or calculations. Extend knowledge of the keyboard (function keys, shift for punctuation, tab, windows etc.). 	 Extend knowledge of the keyboard (function keys, shift for punctuation, tab, windows etc.). Extend knowledge of the keyboard (function keys, shift for punctuation, tab, windows etc.).
in capital letters. • Know how to use font size. • Know how to	n r	





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		 Know that you 		
		can make		
		changes to text		
		by selecting		
		and executing a		
		change (font		
		size, bold and		
		underline).		
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St Joseph's Catholic Primary School





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Digital Literacy –	Ask and adult	,	Identify where	Identify a	Identify a range	Identify a	Identify a
Keeping Safe	for	go for help and	to go for help	range of ways	of ways to	range of ways	range of ways
Keeping Sale	permission	support when	and support	to report	report concerns	to report	to report
	when using	they have	when they have	concerns	about content	concerns	concerns
	technology.	concerns about	concerns about	about	and contact.	about	about
		content or	content or	content and	Use technology	content and	content and
		contact on the	contact on the	contact.	safely,	contact.	contact.
		internet or other	internet or	• Use	respectfully and	• Use	• Use
		online	other online	technology	responsibly.	technology	technology
		technologies.	technologies.	safely,	 Recognise 	safely,	safely,
		 Understand what 	 Understand 	respectfully	acceptable/	respectfully	respectfully
		a passcode is,	what a	and	 unacceptable 	and	and
		why we use them	passcode is,	responsibly.	behaviour.	responsibly.	responsibly.
		and how to use a	why we use	 Recognise 	Know SMART	 Recognise 	 Recognise
		passcode safely.	them and how	acceptable/	principle to	acceptable/	acceptable/
		 Understand what 	to use a	 unacceptable 	help remember	 unacceptable 	unacceptable
		acceptable	passcode	behaviour.	the aspects of	behaviour.	behaviour.
		content is.	safely.	Know SMART	online safety	Know SMART	Know SMART
		 Use technology 	Understand	principle to	(see Appendix	principle to	principle to
		safely and	what	help	1).	help	help
		respectfully,	acceptable	remember	-).	remember	remember
		keeping personal	content is.	the aspects		the aspects	the aspects
		information	Use technology	of online		of online	of online
		private.	safely and	safety (see		safety (see	safety (see
		Be able to login	respectfully,	Appendix 1).		Appendix 1).	Appendix 1).
		using a username	keeping	Appendix 1).		Appendix 1).	Appendix 1).
		and password/	personal	•			
			information				
		passcode.	private.				
		Begin to use					
		SMART principle	Be able to login				
		to help	using a				
		remember the	username and				
		aspects of online	password/				
		safety (see	 passcode. 				
		Appendix 1).	Use SMART				
		 Know what to do 	principle to				
		when	help remember				
		unacceptable	the aspects of				
		content appears.	online safety				
			(see Appendix				
			1).				





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Digital Literacy – World Wide Web		 Know how to log out of a computer. To know that the World Wide Web and internet help us to communicate . 	 Know what to do when unacceptable content appears. Know how to log out of a computer. To know that the World Wide Web and internet help us to communicate. 	 Know the different methods of communicati on within the World Wide Web (email). 	 Know the different methods of communication within the World Wide Web (information pages). 	 Know the different methods of communicati on within the World Wide Web (blogs and chat channels). 	 Know the different methods of communicati on within the World Wide Web (chat channels).
Computer Science - Algorithms	 Ask questions to find out more and to check they understand what has been said to them. Use talk to help work out problems and organise thinking and activities, and to explain how things 	 Begin to understand what algorithms are – understand algorithms are instructions. 	 Understand what algorithms are – understand algorithms are instructions. Understand how algorithms are implemented as programs on digital devices; and that programs execute by following precise and unambiguous 	 Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs. 	 Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs. 	 Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs. 	 Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.





			-	Skills - Flogression			
	 work and why they might happen. Show resilience and perseverance in the face of challenge. Cause and effect: when I press this – this will happen. 		instructions (algorithms).				
Computer Science: Programming	 Continue, copy and create repeating patterns. 	 Give instructions (guide someone around the room/write a set of instructions). Use a bee bot. Create and debug simple programs. 		 To know what an input is and how to work with them. 	 To know what an input is and how to work with them. 	 To know what an input is and how to work with various forms of them. 	 Work with variables and various forms of input and output.
			 Create and debug a range of simple programs. Use logical reasoning to predict the behaviour of 	 Design, write and debug programs that accomplish specific goals, including controlling or simulating 	 Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems. 	 Design, write and debug programs that accomplish specific goals, including controlling or simulating 	 Design, write and debug programs that accomplish specific goals, including controlling or simulating





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	simple programs.	physical systems.		physical systems.	physical systems.
		 Use sequence, selection, and repetition in programs. 	 Solve problems by decomposing them into smaller parts. Use sequence, selection, and repetition in programs. 	 Use sequence, selection, and repetition in programs. 	 Solve problems by decomposing them into smaller parts. Use sequence, selection, and repetition in programs.





Computer Science -		Kilowicuge and s	•	Understand	•	Understand	•	Understand	•	Understand
Computer Science –			-	computer	_	computer	-	computer	-	computer
World Wide Web				networks		networks		networks		networks
				including the		including the		including the		including the
				internet; how		internet; how		internet; how		internet; how
				they can		they can		they can		they can
				provide		provide		provide		provide
				multiple		multiple		multiple		multiple
				services, such		services, such		services, such		services, such
				as the World		as the World		as the World		as the World
				Wide Web;		Wide Web; and		Wide Web;		Wide Web;
				and the		the		and the		and the
				opportunities		opportunities		opportunities		opportunities
				they offer for		they offer for		they offer for		they offer for
				communicati		communication and		communicati		communicati on and
				on and		collaboration.		on and collaboration.		collaboration.
				collaboration. To know the						
			•	difference						
				between the						
				World Wide						
				Web and						
				internet.						
Information	 Recognise 									
	common uses									
Technology	of									
	information									
	technology									
	within and									
	beyond									
	school.									
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 To recognise a search engine and use it effectively. 	 To know and understand the difference between a search engine and a website. 	 Use search technologies effectively. 	 Use search technologies effectively. Use search technologies effectively, appreciate how results are selected and ranked. Be discerning in evaluating digital content. 	 Use search technologies effectively. Use search technologies effectively, appreciate how results are selected and ranked. Be discerning in evaluating digital content. 	 Use search technologies effectively. Use search technologies effectively and accurately, appreciate how results are selected and ranked.
 Begin to use technology purposefully to create, organise, store, manipulate and retrieve digital content Save work. 	 Use technology purposefully to create, organise, store, manipulate and retrieve digital content (using a range of devices – desktop, iPad, IWB). 	 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 	 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. 	 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 	 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





		Save, retrieve and print work.	presenting data and information. • Be able to save documents in different locations.	 Know that cloud saving (Google Drive) can be accessed from any device. 	presenting data and information. • Know that cloud saving (google drive) can be accessed from any device.	collecting, analysing, evaluating and presenting data and information. • Know the different locations for shared drives.
Google Classroom	 Know how to log in to Google Classroom and join Google Meet 	 Be able to retrieve and upload work to/from Google Classroom. Be able to access and use the Chat function in GC appropriately. 	 Be able to retrieve and upload work to Google Classroom. 	 Be able to retrieve and upload work to Google Classroom. 		