

	TERM 1A		TERM 1B		TERM 2A		TERM 2B		TERM 3A		TERM 3B	
	Think before you post		Dangerous Earth spreadsheet		Evaluating digital content (Safer Internet Day during Feb)		MICROBIT: Getting active (x5)		Copyright & plagiarism		Control DT models Digital footprint	
	Key knowledge	Key skills	Key knowledge	Key skills	Key knowledge	Key skills	Key knowledge	Key skills	Key knowledge	Key skills	Key knowledge	Key skills
Y6 Computing	To know sharing pictures and videos can be a great way of telling your story but always think before you share.	To be able to use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.	To know everything in a spreadsheet goes into a cell (like a box in a grid). Each cell is named by the row and column in which it is located.	To be able to 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.	To know not all of the information you find on the internet is true because anybody can write anything they want to online.	To be able to use technology safely, respectfully and responsibly; recognise Acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.	To know to use variables to describe a character or shape.	To be able to analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems.	To know sharing pictures and videos can be a great way of telling your story but always think before you share.	To be able to use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact such as the World Wide Web; and the opportunities they offer for communication and collaboration.	To know microbits are easy to use micro-controllers which use scratch-inspired software.	To be able to design, write, and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts.
	To know if you've taken a picture or video of your friends or family you must get their permission to post it online.	To be able to 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.	To know cells can be formatted to look clearer or more interesting, similar to word processing.	To be able to enter text and numbers into a spreadsheet.	To know some information online is not reliable so it is important to check information on at least three different websites, in a book or by talking to someone you trust.	To be able to 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.	To know to explain how variables are used in programs.	To be able to write algorithms that use variables.	To know if you've taken a picture or video of your friends or family you must get their permission to post it online.	To know light dependent resistors (LDRs) are electrical components in which the resistance (block to the flow of electricity) decreases as the light shining on it gets stronger.	To know repetition is used in programming to give the same instruction or set of instructions several times.	To be able to use sequence, selection, and repetition in programs; work with variables and various forms of input and output.
	To know anything you post online could be there forever. If you're not sure a photo paints a positive picture of you (or your friends!) then think twice before posting.		To know it is possible to change cell colours and borders, font size, style, colour, row height and column width.	To be able to identify and refer to cells by row and column.	To know to take care to spell correctly when typing in a search.		To know to explain how repetition is used when programming sensors.	To be able to debug programs containing variables.	To know anything you post online could be there forever. If you're not sure a photo paints a positive picture of you (or your friends!) then think twice before posting.	To be able to learn the impact that social media posts can have on one's digital footprint.	To know repetition uses loops as the means to give these instructions.	To be able to use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.
			To know one advantage of spreadsheets is the ability to do calculations quickly using the SUM function.	To be able to begin to enter formulae with the SUM function.	To know even a small typing error can bring up unwanted results. Viewing some material online is illegal.		To know that data can be used as a condition in selection.	To be able to write algorithms that show how sensors will be used.	To know not all of the information you find on the internet is true because anybody can write anything they want to online.	To be able to recognise examples of oversharing on social media.	To know repetition uses loops as the means to give these instructions.	
			To know the symbol for multiply is '*' and for divide, we use '/'. It is possible to order data using the sort function.	To be able to enter formulae into cells.	To know if we see something upsetting we minimise the page and tell an adult we trust.		To understand the effects of changing the value of data in programs.	To be able to read and write algorithms using selection.	To know some information online is not reliable so it is important to check information on at least three different websites, in a book or by talking to someone you trust.	To be able to practise creating social media posts that demonstrate care for the digital footprints of the self and others.	To know conditions are statements that need to be met for a set of actions to be carried out.	To be able to 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.
				To be able to edit data and discuss the effect on results.				To be able to identify how digital assistant might work.	To know they can be used in algorithms and programs to control the flow of actions.			
				To be able to use further functions including AVERAGE, MIN and MAX.				To be able to write programs that use data as a condition.	To know to take care to spell correctly when typing in a search.	To be able to know if something requires copyright.		
				To be able to create graphs.				To be able to write a program to use a micro:bit as a digital assistant.	To know to take care to spell correctly when typing in a search.	To be able to know when AI is/is not useful.		
				To be able to design their own spreadsheet for a specific purpose.					To know to take care to spell correctly when typing in a search.			
									To know even a small typing error can bring up unwanted results viewing some material online is illegal.			
									To know if we see something upsetting, we minimise the page and tell an adult we trust.			
									To know that permission is needed to use others work.			
									To know what AI is and how it works.			

	Enquiry/question/outcome/activity/genre of unit/text What digital content can I share safely?		Enquiry/question/outcome/activity/genre of unit/text How can I accurately use software to present my data findings?		Enquiry/question/outcome/activity/genre of unit/text What does evaluating digital content mean? How should we respond if we see inappropriate material?		Enquiry/question/outcome/activity/genre of unit/text		Enquiry/question/outcome/activity/genre of unit/text		Enquiry/question/outcome/activity/genre of unit/text Use physical computing to explore the concept of selection in programming through the use of the Microbit programming environment.	
	Key vocabulary (tier 2) image negative positive post share	Key vocabulary (tier 3) acceptable permission unacceptable	Key vocabulary (tier 2) borders colour column font size height row sort spreadsheet style width	Key vocabulary (tier 3) analysing average cell collecting evaluating function presenting SUM	Key vocabulary (tier 2) internet online search engine true trust website	Key vocabulary (tier 3) illegal posting reliable	Key vocabulary (tier 2) data device repetition selection sensor variable	Key vocabulary (tier 3) value of data	Key vocabulary (tier 2)	Key vocabulary (tier 3)	Key vocabulary (tier 2) buzzer commands loops program switch	Key vocabulary (tier 3) conditions LED repetition selection