	TERM 1A Think before you post		TERM 1B		TERM 2A		TERM 2B		TERM 3A		TERM 3B	
			Dangerous Earth spreadsheet		Evaluating digital content		MICROBIT: Getting active (x5)		Copyright & plagiarism		Control I	OT models
					(Safer Internet	Day during Feb)						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
	To know sharing	To be able to use	To know everything in a	To be able to select, use	To know not all of the	To be able to use	To know to use variables to describe a	To be able to analyse problems in	To know sharing	To be able to use	To know microbits are	To be able to design,
	pictures and videos can be a great way of telling	technology safely, respectfully and	spreadsheet goes into a cell (like a box in a grid).	and combine a variety of software (including	information you find on the internet is true	technology safely, respectfully and	character or shape.	computational terms,	pictures and videos can be a great way of telling	technology safely, respectfully and	easy to use micro- controllers which use	write, and debug programs that
	your story but always	respectfully and	Each cell is named by	internet services) on a	because anybody can	respectfully and	character or shape.	and have repeated	your story but always	respectfully and	scratch-inspired	accomplish specific
	think before you share.	acceptable/	the row and column in	range of digital devices	write anything they	Acceptable/	To know to explain how	practical experience of	think before you share.	acceptable/	software.	goals, including
	, , , , , , , , , , , , , , , , , , , ,	unacceptable	which it is located.	to design and create a	want to online.	unacceptable	variables are used in	writing computer		unacceptable		controlling or simulating
	To know if you've taken	behaviour; identify a		range of programs,		behaviour; identify a	programs.	programs in order to solve such problems.	To know if you've taken	behaviour; identify a	To know light	physical systems; solve
	a picture or video of	range of ways to report	To know cells can be	systems and content	To know some	range of ways to report	To understand that	solve such problems.	a picture or video of	range of ways to report	dependent resistors	problems by
	your friends or family	concerns about	formatted to look	that accomplish given	information online is	concerns about content	some devices use	To be able to write	your friends or family	concerns about content	(LDRs) are electrical	decomposing them into
	you must get their	content and contact.	clearer or more	goals, including	not reliable so it is important to check	and contact.	sensors.	algorithms that use	you must get their	and contact such as the	components in which	smaller parts.
	permission to post it online.	To be able to	interesting, similar to word processing.	collecting, analysing, evaluating and	information on at least	To be able to	To know to explain how	variables.	permission to post it online.	World Wide Web; and the opportunities they	the resistance (block to the flow of electricity)	To be able to use
	omme.	understand computer	word processing.	presenting data and	three different	understand computer	repetition is used when	To be able to debug	offiliate.	offer for	decreases as the light	sequence, selection,
	To know anything you	networks including the	To know it is possible to	information.	websites, in a book or	networks including the	programming sensors.	programs containing	To know anything you	communication and	shining on it gets	and repetition in
	post online could be	internet; how they can	change cell colours and		by talking to someone	internet; how they can		variables.	post online could be	collaboration.	stronger.	programs; work with
	there forever. If you're	provide multiple	borders, font size, style,	To be able to enter text	you trust.	provide multiple	To know that data can	To be able to write	there forever. If you're			variables and various
	not sure a photo paints	services, such as the	colour, row height and	and numbers into a		services, such as the	be used as a condition in selection.	To be able to write algorithms that show	not sure a photo paints	To be able to learn the	To know repetition is	forms of input and
	a positive picture of you (or your friends!) then	World Wide Web; and the opportunities they	column width.	spreadsheet.	To know to take care to spell correctly when	World Wide Web; and the opportunities they	50.000.0	how sensors will be	a positive picture of you (or your friends!) then	impact that social media posts can have	used in programming to give the same	output.
	think twice before	offer for	To know one advantage	To be able to identify	typing in a search.	offer for	To understand the	used.	think twice before	on one's digital	instruction or set of	To be able to use logical
	posting.	communication and	of spreadsheets is the	and refer to cells by row	cyping in a searcin	communication and	effects of changing the value of data in	To be able to read and	posting.	footprint.	instructions several	reasoning to explain
		collaboration.	ability to do calculations	and column.	To know even a small	collaboration.	programs.	write algorithms using		To be able to recognise	times.	how some simple
			quickly using the SUM		typing error can bring		, .0 .	selection.	To know not all of the	examples of		algorithms work and to
			function.	To be able to begin to	up unwanted results.				information you find on	oversharing on social	To know repetition uses	detect and correct
600			To know the symbol for	enter formulae with the SUM function.	Viewing some material online is illegal.			To be able to identify how digital assistant	the internet is true because anybody can	media.	loops as the means to give these instructions.	errors in algorithms and programs.
Computing			multiply is '*' and for	John ranction.	ornine is inegal.			might work.	write anything they	To be able to practise	give these instructions.	programs.
<u>d</u>			divide, we use '/'. It is	To be able to enter	To know if we see				want to online.	creating social media	To know conditions are	To be able to select,
L L			possible to order data	formulae into cells.	something upsetting we			To be able to write		posts that demonstrate	statements that need to	use, and combine a
			using the sort function.		minimise the page and			programs that use data as a condition.	To know some	care for the digital	be met for a set of	variety of software
λ6				To be able to edit data and discuss the effect	tell an adult we trust.				information online is not reliable so it is	footprints of the self	actions to be carried out.	(including internet services) on a range of
				on results.				To be able to write a	important to check	and others.	out.	digital devices to design
								program to use a micro:bit as a digital	information on at least	To be able to know if	To know they can be	and create a range of
				To be able to use				assistant.	three different	something requires	used in algorithms and	programs, systems, and
				further functions					websites, in a book or	copyright.	programs to control the	content that accomplish
				including AVERAGE,					by talking to someone		flow of actions.	given goals, including
				MIN and MAX.					you trust.	To be able to know	To know when a	collecting, analysing, evaluating, and
				To be able to create					To know to take care to	when AI is/is not useful.	condition is met, it is	presenting data and
				graphs.					spell correctly when		referred to as 'true' and	information.
									typing in a search.		when it is not met, it is	
				To be able to design							referred to as 'false'.	
				their own spreadsheet for a specific purpose.					To know even a small typing error can bring		To know soloction is	
				ioi a specific purpose.					up unwanted results		To know selection is implemented in	
									viewing some material		programming using	
									online is illegal.		ifthen statements.	
									To know if we see		To know selection is	
									something upsetting, we minimise the page		used to control the flow of actions in algorithms	
									and tell an adult we		and programs by	
									trust.		checking if a condition	
											has been met.	
									To know that			
									permission is needed to use others work.			
									use outers 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