YEAR 1

	TERM 1A		TERM 1B		TERM 2A		TERM 2B		TERM 3A		TERM 3B	
	Smartie the Penguin, Busythings, Kidlo Coding		J2e – J2write, J2paint		Personal Information, Beebots App, Beebots (Safer Internet Day during Feb)		Thinkuknow – Sharing images, Hockney digital art		Strangers online, Busythings Coding, J2e – coding		Code Monkey, Book Creator	

Y1 Computing

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 that technology is anything made by people to help us. To know the main components of a computer are the screen, keyboard and mouse. To know to tell a trusted adult about concerns. To know the blue button on the mouse is the left click and this is the button we use the most. To know an algorithm is a list of precise instructions, steps or rules.	To be able to recognise common uses of information technology beyond school. To be able to use technology safely and respectfully. To be able to identify where to go for help and support. To be able to name key parts of a computer. To be able to log on. To be able to use a mouse and keyboard. To begin to understand what algorithms are. To be able to create and debug simple programs.	To know how to log in by clicking on name and enter password which has 4 digits. To know how to save work by clicking on the save symbol. To know how to change the font, and the size and colour of text. To know how to highlight the text we wish to change. To know how code can make things happen on your computer. To know that you must put the code in the right order. To know an algorithm is a list of precise instructions, steps or rules.	To be able to use technology purposefully to create, organise, store, manipulate and retrieve digital content. To begin to understand what algorithms are. To be able to create and debug simple programs.	To know how to keep our personal information safe by not sharing it with people we don't know. To know personal information can include our full name, address, name of our school and phone number. To know personal information is not our favourite colour, a song we like or what we had for lunch. To know instructions must be in the correct order. To know repeat makes the same things happen more than once.	To be able to keep personal information private. To be able to identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies. To be able to understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions; create and debug simple programs; start to use logical reasoning to predict the behaviour of simple programs.	To know how to seek permission before sharing a photo online. To know to tell a trusted adult about concerns about images which have been shared. To know technology is anything made by people to help us. To know work can be stored digitally.	To be able to use technology safely and respectfully, keeping personal information private. To be able to identify where to go for help and support when they have concerns about content or contact on the internet. To be able to use technology purposefully to create, organise, store, manipulate and retrieve digital content. To know technology can be used to create digital artwork.	To know not everyone is who they say they are online. To know we should not chat with people we don't know online. To know if we are concerned about anything we should tell an adult we trust. To know code can make things happen on your computer. To know you must put the code in the right order. To know an algorithm is a list of precise instructions, steps or rules.	To be able to use technology safely and respectfully. To be able to identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies. To be able to understand what algorithms are; and that programs execute by following precise and unambiguous instructions; create and debug simple programs.	To know an app on an iPad (such as Book Creator) can create an electronic information book. To know digital images and photos can be added to digital books. To know ebooks can be enhanced by adding text, images and shapes. Pages should not be too crowded.	To be able to understand what algorithms are; and that programs execute by following precise and unambiguous instructions; create and debug simple programs. To be able to use technology purposefully to create, organise, store, manipulate and retrieve digital content. To be able to use software on a range of digital devices to design and create content that accomplishes a given goal, including presenting information.

Enquiry/question/outcome/activity/genre of unit/text		Enquiry/question/outcome/activity/genre of unit/text		Enquiry/question/outcome/activity/genre of unit/text		Enquiry/question/outcome/activity/genre of unit/text		Enquiry/question/outcome/activity/genre of unit/text		Enquiry/question/outcome/activity/genre of unit/text	
What is technology? What should we do if something goes wrong when using technology? Who can we tell? What is an algorithm?		Logging into accounts on J2e, saving work and retrieving. Word processing – writing name.		Personal info or not? game. What is personal information? Who can we tell when concerned about content or being contacted? Beebot apps Beebot robot		Who can we tell when concerned about something you have shared? Who can we tell when concerned about an image of you which has been shared? Produce Hockney inspired digital art using Sketches for Schools app.		Why do we need to be careful when talking to strangers online? Is everyone who they say they are? How can we tell? Who can we tell when concerned about content or being contacted? J2e – code – maze programming.		Create digital books – Book Creator Uploading images	

Key vocabulary (tier 2)	Key vocabulary (tier 3)	Key vocabulary (tier 2)	Key vocabulary (tier 3)	Key vocabulary (tier 2)	Key vocabulary (tier 3)	Key vocabulary (tier 2)	Key vocabulary (tier 3)	Key vocabulary (tier 2)	Key vocabulary (tier 3)	Key vocabulary (tier 2)	Key vocabulary (tier 3)
keyboard mouse screen share tell trusted	algorithm internet minimise online technology	collaborating creating persevering	algorithm code debugging retrieve save tinkering	instructions order personal	algorithm code debugging predict tinkering	artwork collaborating instructions order persevering	digital technology	algorithm code concerned order save store stranger tell	debugging technology tinkering	collaborating crowded digital instructions order persevering	