Subject E	EYFS:					
content U ki te K	 EYFS: Development matters - Understanding the world: Understanding the world involves guiding children to make sense of their physical world and their community. The frequency and range of children's personal experiences increases their knowledge and sense of the world around them. In addition, listening to a broad selection of stories, non-fiction, rhymes and poems will foster their understanding of our culturally, socially, technologically and ecologically diverse world. KS1 Pupils should be taught 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 use logical reasoning to predict the behaviour of simple programs use technology purposefully to create, organise, store, manipulate and retrieve digital content recognise common uses of information technology beyond school use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies 					
Teach Computing is an educational programme provided by the National Centre for Computing Education. It provides high-quality support for the teaching of computing from KS1 to KS2 and beyond. Our high-quality computing education equips pupils to use computational thinking and creativity to understand and change the world.						
Skills	EYFS	Year 1	Year 2			
Understanding Technology	Using iPads To name different technology. To name different parts of an iPad. To recognise the internet helps us find out different things. To recognise that iPads can help us complete our work and we can do different things, eg drawing bicture, taking photo.	Seesaw To understand that Seesaw is an app to help us complete our learning. To use different parts of an iPad. To understand that different parts of the iPads will help you respond to different tasks eg microphone for using voice tool.	Computing Systems & Networks – IT around us To identify examples of computers and that they are part of information technology (IT). To describe some uses of computers. To sort school IT by what it is used for. To identify and find examples of IT. To sort IT by where it is found. To talk about uses of IT. To demonstrate how IT devices work together. (eg barcode, scanner, till)			
Online safety	To recognise, online or offline, that anyone can	To recognise that there may be people online who could make	To explain how other people may look and act differently online and			
T C T T T T T T T	say 'no' – 'please stop' 'I'll tell' 'I'll ask' to somebody who makes them feel sad, uncomfortable, embarrassed, or upset. To recognise some ways in which the internet can be used to communicate. To identify ways that I can put information on the nternet.	someone feel sad, embarrassed or upset. To give examples of when I should ask permission to do something online and explain why this is important. To recognise that information can stay online and could be copied. To describe how to behave online in ways that do not upset others and can give examples. To know/understand that we can encounter a range of things online including things we like and don't like as well as things which are real or make believe/a joke.	ottline To identify who can help me if something happens online without my consent. To explain how information put online about someone can last for a long time. To explain what voice activated searching is and how it might be used, and know it is not a real person e.g. Alexa, Google Now, Siri.			

	To identify some simple examples of personal information and describe who I can share this with e.g. name, address, birthday, age, location.	To understand that work created by others does not belong to me even if I save a copy.	To explain simple guidance for using technology in different environments and settings e.g. accessing online technologies in public places and the environment.
	To know that work I create belongs to me.		To describe and explain some rules for keeping personal information private e.g. creating and protecting passwords.
Programming	Moving a Robot (Beebots) To predict the outcome of a command or sequence (using up to 4 commands including	Programming Animations [ScratchJr] To find and use commands to use a sprite.	Programming Quizzes {Scratch Jr] To identify the start of a sequence and run my program.
	forwards, backwards, left and right)	To predict the outcome of a command.	To predict the outcome of a sequence of commands
	To follow an instruction	To explain what a sprite is.	To change the sequence of commands and change the outcome.
	To give clear instructions	To compare different programming tools.	To plan a project including changing backgrounds.
	To say what a given command does and to match it to an outcome	To use a start block	To create and change a program with a given design.
	To run a command on a floor robot	To use more than one block, by joining them together and know they form a program	To create a program of my own design.
	To combine 4 directional commands	To change the value of a block and say what happens when I do.	To select the correct tools.
	(eg.forwards, backwards, left right) to make a sequence with support	To plan a project and show that a project can include more than one	To know that a sequence can be started using a variety of event blocks
	To plan a simple program with support	sprite	To know that a sequence has an outcome, and identify different
	To run a program on a device	To understand that a program is a set of commands a computer can run.	programs that have the same outcome
	To debug my program, to correct errors	To predict the outcome of a command.	To know the backgrounds can be changed through the programming blocks
	To create more than one program to achieve a task	To delete a sprite	To understand the role of the numbers on ScratchJr blocks
	To evaluate how successful they were at meeting the task requirements	To create an algorithm for each of my sprites.	To write and run a simple program with a start block, and an end block which changes the background
th		To use my algorithm to create a program.	
		To debug a program.	To adapt a given design to create a program with multiple sprites and
		To test a program created and how successful it has been.	backgrounds which uses the blocks given in the example
		To identify how closely a plan matches the outcome.	To create and program a quiz with at least two backgrounds which switch based on an action
			To identify errors in their program, and debug them
			To test a program created and evaluate how successful it has been
			To identify how closely a plan matches the outcome
			To test a program created and evaluate how successful it has been
			To Identify how closely a plan matches the outcome

Digital	Digital Painting and Photography	Digital Writing	Digital Photography		
Litoroov	To use the iPad to draw a self portrait (Sketches)	To open a word processor	To use an iPad to take a photo		
Literacy					
	To use the iPad to take a photo	To identify and find keys on a keyboard.	To explain the key requirements of the task.		
	To edit my photo	To enter text into an iPad.	To compose and capture good photos and explain some aspects of these.		
	To use the iPad to take a short video	To use letter, number, and Space keys.	To identify why some of the reasons a photo may be bad or good.		
		To use Backspace to remove text.	To know a photo can be portrait or landscape		
		To type capital letters.	To make suggestions on how to improve my photo		
		To identify the toolbar and use bold, italic, and underline.			
		To salest a word by double clicking and salest all of the text by	To use tools to change an image.		
		clicking and dragging	To say what the best lighting source is for a photo I retake.		
		To change the font.	To use the autofocus to make an object in the photo stand out.		
		To say what tool I used to change the text.	To experiment when taking photos with different light sources		
		To decide if my changes have improved my writing.	To identify a photo that has been enhanced using tools when asked questions		
		To use 'Undo' to remove changes.			
		To say why I prefer typing or writing,	To evaluate how successful they were in meeting the task		
		To save my and retrieve my work, at a later time.			
		To evaluate how successful they were in meeting the task	Seesaw To use the green tick to save our work.		
		requirements	To use the different tools on Seesaw to respond to a task.		
		To identify the differences between writing on a computer and on paper, and explain their own preference	To unload photos and use voice recording to respond to a task		
		To use the green tick to save our work.			
		To use the different tools on Seesaw to respond to a task.			
		To upload photos to respond to a task.			
How will we implement computing in our school?					

- Planned teaching of computing each term through **enquiry** lessons, which is progressive, and provides purpose and meaning for children.
- · Children will use technology in their classrooms as part of their daily life at school to apply skills taught. For example, Bugclub, Numbots, Seesaw, Research through Kiddle
- Evidence of computing can be seen on Seesaw, class learning journey displays, enquiry organisers and on medium term and long term planning.
- Technology will be integral to support children in their learning. E.g. use of iPads to enquire.
- Children will apply computational thinking to solve problems across the curriculum.
- Children will be able to express themselves through information and communication technology.
- Children will be able to discuss how to stay safe on the internet.
- Annual e-safety assemblies and information for parents.
- All children, and staff, are to adhere to an Acceptable Use Policy (AUP) in line with CAM guidance.
- Staff will have a shared understanding of how to keep our children safe through our e-safety knowledge and all staff will know the procedures for reporting incidents.

- We use the **Project Evolve** resources for out online safety unit (planned by Trust computing leads)
- We use the Teach Computing Scheme of Work in our lessons.
- We use the Educated for a Connected World framework in our lessons on Online Safety.
- We organise a Safer Internet Day to engage pupils and further their online education
- We organise visitors and workshops to support children to be safe on technology.
- We have an Online Safety Lead who liaises with SLT and staff to ensure that safer internet practises are used by all.