		Com	nputing Scheme of W	/ork			Autumn Term	Year 3
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Key Learning		 Pupils start to understand that users can create their own programs. Pupils can talk about coordinates. 	 Pupils can talk confidently about inputs and outputs. Understands that algorithms are a precise set of instructions. 	Can uses 'if' statements and 'loop' within programs.	 Can detect and correct simple errors in code. Understands that computers need a precise set of instructions to follow. Discuss the sequence of instructions and the impact changes might have. 	To use a range of software with support create, store and edit digital content.		
Main Lessons	Online Safety:	Scratch:	Scratch:	Scratch:	Scratch:	Word:	Webpage:	
tessons	Lesson 1, SWGFL SofW.	The slug game: Create slug character and path background. If time repeat in Revelation natural art and import. Show pupils the coordinates background. Discuss how the screen is layout using grid references.	keys (up, down, right,	Demo how to make the slug return home and face the correct way once it goes off the path. Create lettuce sprites for the slug to eat. Add command to each one so that if it is hit by the slug it disappears. More able could include a variable to record number of lettuces eaten.	How to reset game on button press so that lettuces reappear and slug is positioned at start of game. Give pupils the time to play and suggest improvements.	Show pupils how to open Word and their Scratch projects. How to move between them, copy print screen from Scratch to Word. Show them how to write up a guide to the game - how it was made, how the code works etc.	manner relevant to the audience. This could be an information page to show parents what thave, are learning within the topic. Could it include images from Google maps / Street View?	
Software		Scratch / revelation natural art.	Scratch	1	ı	Word / J2E	J2E / Cloudu	
Cross Curricula		Use Billy Bug to teach	/ practice coordinates.	es.html		English		

		Computing S	Scheme of Work				Spring Term	Year 3
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Key Learning		 Can use a range of software to create, store and edit digital content with increasing independence and awareness of audience. Can talk about their work and make improvements based on feedback. Can comment on the success of their work. Can talk about how different software is used for different purposes. 						
Main Lessons	Online Safety:	Animation:	Animation:	Animation:	Animation:	Art:	Art:	Online Safety:
	Lesson 2, SWGFL SofW.					Create a picture as part of your topic. Demo how to use the various toolsshape, fill, line etc. Demo how to copy, paste. How to create colours.	Create a picture using more advanced tools. How to save work with an appropriate title and in the correct place.	Lesson 3, SWGFL SofW.
Software		Animation software such as ZU3D Art Program such as Revelation Natural Art						
Ongoing								
activities				T	1		I	
Online Safety	My Online Community							Thing for sale

	Computing Scheme of Work								Year 3
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9
Key Learning		 Pupils can talk confidently about inputs and outputs. Understands that algorithms are a precise set of instructions. Can 'loops' within their programs. 	 Pupils are using the correct terminology, algorithm, Debugging. Can design, create and test simple algorithms to achieve a set goal. Can, with increasing confidence, predict the outcome of their algorithms. Can identify their own errors within their code. 			 Can use a range of software to create, store and edit digital content with increasing independence and awareness of audience. Can talk about their work and make improvements based on feedback. 		Basic Word processing skills.	
Main Lessons	Online Safety:	Probots:	Probots:	Probots:	Probots:	Audio Books:		J2E / Word/ Po	ublisher:
	Lesson 4, SWGFL SofW.	Revisit the parts of the car, inputs, outputs including the sensors. Demo how to put the pen in. Ask them to draw different shapes. Note the repetition of commands. Demo how to use the repeat function. Reduces code, makes errors less likely. Repeat shapes using the REPEAT command.	Discuss cm and degrees in relation to the cars movements. How to clear memory. Demo the car drawing a repeated square with a small turn in between. See pattern. Ask pupils to break down the program into small steps, eg draw a square, add turn, add repeat function around the whole lot. Pupils try to recreate patterns.	Pupils to write algorithm that will program the Probot to draw different shapes. Test and identify errors (debugging) in algorithms.	Continue previous lesson and test to see if changing the sequence of the code makes any difference?	pupils to record or other sort st Cloudu and sha		J2E / Word/ Publisher: Ensure pupils can save with appropriate name, open work, change fonts, size, centre text, insert images etc. Look at differences between online, Word and Publisher. Typing skills. Creating folders.	
Software		Probots			Tablets, Yellow CloudU	Microphones,	Publisher, Word, J2E		
Cross Curricula			Maths:	Maths:		English:		Topic:	