

Year 3 Computing Progression Map

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Торіс	Create digital content (3.4 -4)(3.9 -5)/ <mark>e-safety</mark>	Communication & Networks(3.5 -6)/ e-safety	Data & Data Representation (3.3 – 3)(3.5 -4)(3.8 -3)/ <mark>e-safety</mark>	Hardware & Processing (3.7 -4)/ e-safety	Algorithms/ Programming &	Development (3,1 -6)/ <mark>e-safety</mark>
Learning Objective (from DC Pro)	 Uses technology with increasing independence to purposefully organise digital content. (AB) Uses a variety of software to manipulate and present digital content: and information. (AL) Talks about their work and make improvements to solutions based on feedback received. (EV) 	Navigates the web and can carry out simple web searches to collect digital content. (AL) (EV)	Performs single criteria searches for information. (AL)	range of input and output devices. Understands the function of the main internal parts of basic computer architecture (AB) (DE)	 Designs simple algorithms using log Uses logical reasoning to predict of Detects and corrects errors i.e. def Understands that algorithms are in programs. (AL) Uses loops within programs (AL) Uses logical reasoning to predict to Detects and correct simple seman programs. (AL) 	butcomes.(AL) bugging, in algorithms. (AL) mplemented on digital devices as he behaviour of programs. (AL)
		 Know the term search engine' Evaluate websites giving reasons for choices Find specific information from a website Enter the data into a data collection sheet 	 Complete two record cards and give examples of a database Choose the correct search terms from a variety of questions and enter into the database Write a variety of questions, find the answers and then copy on the computer Create a graph, copy and paste into Textease and answer all of the questions 	•Know and use the terms, motherboard, CPU, RAM, power supply, hard drive	 Understand and use different blocks to create pattern programs for sprites Use the looks blocks to write programs for their names understanding the effect of using the blocks Correctly follow four algorithms to program the shapes Uses loops within programs (AL) Uses logical reasoning to predict the behaviour of programs. (AL) Detects and correct simple semantic errors i.e. debugging, in programs. (AL) 	
Skills	 Copyright and ownership I can explain why copying someone else's work from the internet without permission can cause problems. I can give examples of what those problems might be. 	using technology can sometimes have a negative impact on me; I can give some examples of activities where it is	 Online relationships/ Online bullying I can describe ways people who have similar likes and interests can get together online. I can give examples of technology specific platforms of communication (e.g. emojis, acronyms, text speak). I can explain some risks of communicating online with others I don't know well. I can explain how my and other people's feelings can be hurt by what is said or written online. I can explain why I should be careful who I trust online and what information I can trust them with. I can explain why I can take back my trust in someone or something if I feel nervous, uncomfortable or worried. I can explain what it means to 'know someone' online and why this might be different from knowing someone in real life. I can explain what is different from 'liking someone online'. I can explain what bullying is and can describe how people may bully others I can describe rules about how to behave online and how I follow them. 	 Online reputation I can search for information about myself online. I can recognise I need to be careful before I share anything about myself or others online. I know who I should ask if I am not sure if I should put something online. 	 Privacy and security I can give reasons why I should only share information with people I choose to and can trust. I can explain that if I am not sure or I feel pressured, I should ask a trusted adult. I understand and can give reasons why passwords are important. I can describe simple strategies for creating and keeping passwords private. I can describe how connected devices can collect and share my information with others. 	 Self-image and identity I can explain what is meant by the term 'identity'. I can explain how I can represent myself in different ways online. I can explain ways in which and why I might change my identity depending on what I am doing online (e.g. gaming; using an avatar; social media).
Vocabulary	multimedia, presentations, alignment, brush size, repeats, reflections, green screening, amend, copy, paste	structured, fields	Questioning, database, construct, contribute, recording data, data logger, present data, record, fields, search/crteria, less than/more than, highlight, graph, axes, labels, most/least, altogether r, esafety rules, secure passwords, report abuse button ,	devices, computer parts, desktop, laptop, motherboard, CPU, hard drive, RAM, power supply, input, output, device, data	sequence instructions, sequence deb commands, sequence programming, repeat. Loop, algorithm, flow diagra commands, timing, insert, modify	blocks, sprite, background, looks,



Year 3 Computing Progression Map

	Radford			ennap		
Ongoing skills	General ICT Skills: General Skills: • To save and retrieve a piece of work. • To open a file and save it in a new location. • To print a piece of work. • To print a piece of work.	o copy an image.	 General Sound Recording Skills To use software to record music and sounds To change sounds they have recorded To save, retrieve and edit sounnds 	 Word Processing To change the font, size and colour of text. To use bold, italic and underline. To know how to undo and redo. To align text left, right, centre and justify and know to use them. To insert clipart or WordArt object and to manipulate it. 	 Presentation skills To create a presentation that moves from slide to slide and is aimed at a specific audience. To be able to combine text, images and sounds and show awareness of audience. 	 Internet Skills To print out a page from the internet. To use hyperlinks to move around a website. Find information by browsing a menu To add a page to favourites.
:	Managing online information I can use key phrases in search engines I can explain what autocomplete is and how to choose the best suggestion. I can explain how the internet can be used to sell and buy things. I can explain the difference between a 'belief', an 'opinion' and a 'fact'.					

Computer Science		
Information Technology		
Digital Literacy		