



## Computing Curriculum Map KS



Class:		Jet		Year Group:		5
Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	
<b>Computer Science (Programming)</b> (beebots, lgfl, espresso coding, scratch)						
<b>NC Objectives</b> -Solve problems by decomposing them into smaller parts -Use logical reasoning to explain how some simple algorithms work -Detect and correct errors in algorithms and programs -Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems -Use sequence, selection and repetition in programs -Work with variables and Work with various forms of input and output						
Getting started with scratch – basic skills	Scratch Computing-Year 5 Unit 1 (Quiz & Game)	Kodu Game Lab-Introduction & Student Activity 1	Kudo SOICT Unit	Espresso Coding	Espresso Coding	
<b>ICT Multi-Media and Word Processing</b> (Cross Curricular)						
<b>NC Objectives</b> -Be discerning in evaluating digital content -Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals including collecting, analysing, evaluating and presenting data and information						
Laptops – See Literacy Virtual Tours	Laptops - PowerPoint Presentation	Laptops - Newspaper reports	Science- Earth and Space Google Maps/ Google Earth			
<b>ICT Digital Media</b> (graphics, video, music, sound)						
<b>NC Objectives</b> -Use technology to purposefully create, organise, store, manipulate and retrieve digital content						
Virtual experiments – linked to Science units	Virtual experiments – linked to Science units	Perform a Poem/imovie/Audio network	Virtual experiments – linked to Science units		Virtual experiments – linked to Science units	
<b>ICT Communication &amp; Collaboration</b> (online publishing, blogs, internet research)						
<b>NC Objectives</b> -Recognise common uses of information technology beyond school -Understand how computer networks, including the internet, can provide multiple services (such as the World Wide Web) and the opportunities they offer for communication and collaboration -Use search technologies effectively and Appreciate how search results are selected and ranked						
Topic research Blogging via web site	Topic research Blogging via web site	Topic research Blogging via web site	Topic research Blogging via web site	Topic research Blogging via web site	Topic research Blogging via web site	
<b>ICT Data</b> (graphs, databases, data loggers)						
<b>NC objectives</b> -Basic skills – opening, saving and managing files...						
		J2 Excel	Interactive Math’s Resources			
<b>Digital Literacy and E-Safety</b> (online research, incl networks and internet, e-awareness, communication & collaboration)						
<b>NC objectives</b> -Use technology safely, respectfully and responsibly -Recognise acceptable / unacceptable behaviour -Identify a range of ways to report concerns about content and contact -Basic skills – Keyboard skills						
E-Safety Acceptable User Policy – Signed LGFL (Us online)	Online Privacy	Messaging Safer Internet Day (10 <sup>th</sup> Feb)	Safe Surfing	Gaming	Cyberbullying	