Computing Curriculum Map KS

Class:		Ruby		Year Group:		2

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Computer Science (Programming) (beebots, lgfl, espresso coding, scratch) **NC Objectives** -Understand what algorithms are and they are implemented on digital devices -Understand that programs execute by following precise and unambiguous instructions -Use logical reasoning to predict the behaviour of simple programs -Create simple programs -Debug simple programs					
Basic skills – log in, mouse control and keyboard skills, type name, 2type	Espresso Coding starter unit (year 2)	Espresso Coding unit 2a Unit 1 Bee Bots	Unit 2 Onscreen turtles Jit I board PB Bear	Unit 1 Pro-Bots Espresso Coding unit 2b	Getting started with scratch
ICT Multi Media and Word processing (Cross Curricular) **NC Objectives** -Use technology to purposefully create, organise, store, manipulate and retrieve digital content -Recognise common uses of information technology beyond school					
		Animate (iboard) – Journeys over the sea link	Virtual experiments – linked to Science plant unit	Animate (iboard) – science link- living things in their habitats	Virtual experiments – linked to Science plant unit
ICT Digital Media (graphics, video, music, sound) **NC Objectives** -Use technology purposefully to create, organise, store, manipulate and retrieve digital content					
LGFL Tudors – researching and saving information.		Google Maps/ Google Earth			iboard, youtube, research. Listening to Spanish music. Creating music. Audio Net
ICT Communication & Collaboration (online publishing, blogs, internet research) **NC Objectives** -Use technology to purposefully create, organise, store, manipulate and retrieve digital content -Recognise common uses of information technology beyond school					
Ongoing online research with the iPads. Blog via website	Blog via website	Blog via website	Blog via website	Blog via website	Blog via website
ICT Data (graphs, databases, data loggers) **NC objectives** -Basic skills – opening, saving and managing files…					
	Statistics Maths link (iboard)			Statistics maths link (iboard)	
E-Safety (online research, incl networks and internet, e-awareness, communication & collaboration) **NC objectives** -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 -Basic skills – Keyboard skills					
E-awareness lessons. Signing poster agreement. LGFL Me online. http://thinkuknow.co.uk/5_7/	Online Privacy	Messaging Safer Internet Day (10th Feb)	Safe Surfing	Gaming	Cyberbullying