

## KS2 – Computing Curriculum Map (2014-2015)

e-safety unit covered annually along with themed days / weeks (safer internet day and anti-bullying week)

	<b>Programming</b>	<b>Computational Thinking</b>	<b>Creativity</b>	<b>Computer Networks</b>	<b>Communication / Collaboration</b>	<b>Productivity</b>
	Planning, writing and testing computer programs for digital devices, from turtles to tablets	Some of the computer science foundations, particularly algorithms, logical reasoning and decomposing problems into smaller parts	Creating and refining original content using digital tools across a range of media	Using and understanding the internet, web and search engines, effectively and safely	Making the most of computers and the internet for communicating with one or many, and working together on projects	Collecting and analysing data and information using computers; organising, manipulating and presenting this to an audience
<b>3A Autumn</b>	We are programmers – programming on screen (taken from Y2 this year)		Manipulating images (RNA) – linked to Rainforest Meets the Sea			
<b>3A Spring</b>				We are collectors – exploring computer networks including the internet	<b>e-safety booster</b> – communicating safely on the internet	
<b>3A Summer</b>		We are bug fixers – finding and correcting bugs in programs				We are opinion pollsters – Maths data handling
<b>3/4GH Autumn</b>	We are programmers – programming an animation					Databases - Terrific Top Trumps (Roman Emperors)
<b>3/4GH Spring</b>		We are bug fixers 2– finding and correcting bugs in			<b>e-safety booster</b> – communicating safely on the internet	

		programs				
<b>3/4GH Summer</b>			Time lapse photography – Mayan Temple	We are co-authors – creating a mini-wiki		
<b>4/5H Autumn</b>					e-safety booster / Producing an Antarctic wiki	Handling data – Comparison of temperature data between Antarctica and Todmorden
<b>4/5H Spring</b>	We are software developers – developing a simple educational game		We are presenters – PE. Edited video of a sport demo			
<b>4/5H Summer</b>		We are toy designers – prototyping an interactive toy		Editing and writing HTML		
<b>5/6S Autumn</b>			We are artists – fusing geometry and art			We are architects – creating a virtual space (Ancient Greek Architecture)
<b>5/6S Spring</b>	We are game developers (Scratch) – Space Invaders	We are cryptographers – cracking codes				
<b>5/6S Summer</b>				e-safety booster + creating a web page about cyber safety	We are bloggers – sharing experiences and opinions	
<b>6H Autumn</b>				We are app planners – planning the creation of a mobile app		We are market researchers + Using formula with mountain data
<b>6H Spring</b>		We are project managers – developing project				

		management skills				
<b>6H Summer</b>	We are app developers – developing a simple mobile phone app		We are bloggers – sharing experiences and opinions		E-safety booster + We are interface designers – designing a simple interface for an app	