My Curriculum Story - Computing

Year	Autumn	Spring	Summer

	Clever Constructions	Space Exploration	Seaside
1	Switched on Computing		
	• We are treasure hunters – using programmable toys • We are TV chefs – filming the steps of a recipe	• We are painters – illustrating an eBook • We are collectors - Finding images using the web	• We are storytellers – producing a talking book • We are celebrating – creating a card digitally
	Switched on iPad		
	• English: Creating a book • Maths: Penguin maths • Science: Colours in nature	• English: Pirate problem solving • Maths: Reflective symmetry • Science: Guessing seasons	• English: Spell it • Maths: Multiple choice maths • Science: Minibeast hunt
	Discovery Education: Coding		
	• Block Coding: Unit 1a – On the move	• Block Coding: Unit 1b – Simple inputs	
	Espresso: Computing		
	• Online Safety	• Computer driving licence – Level 2	
	Barefoot Computing		
	• Crazy character algorithms	• Bee-Bots 1,2,3 Programming	•

My Curriculum Story - Computing

Year	Autumn	Spring	Summer

	Great Fire of London	The Invention of flight	The life of L.S Lowry
2			

Switched on Computing		
• We are astronauts – programming on screen • We are games testers – exploring how computer games work	• We are photographers – taking better photos • We are researchers – researching a topic	• We are detectives – collecting clues • We are zoologists – collecting data about bugs

Switched on iPad		
• English: Cursive writing • Maths: Mystery maths • Science: Materials scavengers	• English: Simple stories • Maths: What's the time Mr Wolf? • Science: What am I?	• English: Drag and drop sentence maker • Maths: My maths learning journal • Science: Discovering habitats

Discovery Education: Coding		
• Block Coding: Year 2 Starter Unit	• Block Coding: Unit 2a – different sorts of input	• Block Coding: Unit 2b – buttons and instructions

Espresso: Computing		
• Data logging	• Presentation creator	

Barefoot Computing		
• Spelling rules algorithms	• Scratch tinkering activity	• World Map logic activity

My Curriculum Story - Computing

Year	Autumn	Spring	Summer

	The Stone Age	The History of Crime and Punishment	The Rainforest
3	Switched on Computing		
	• We are programmers – programming an animation • We are bug fixers – finding and correcting bugs in programs	• We are presenters – videoing performance • We are network engineers – exploring computer networks, including the internet	• We are communicators – communicating safely on the internet • We are opinion pollsters – collecting and analysing data
	Switched on iPad		
	• English: Puppet master • Maths: Maths bingo • Science: Rock group	• English: I'm famous you know • Maths: Mental maths TV quiz show • Science: Light and shadow	• English: Epic writing • Maths: Maths around the school collage • Spinning wheels
	Discovery Education: Coding		
	• Block Coding: Year 3 Starter Unit	• Block Coding: Unit 3a – sequence and animation	• Block Coding: Unit 3b – conditional events (selection)
	Espresso: Computing		
	• Online Safety	• Digital literacy	• Computer modelling
	Barefoot Computing		
	• Bug in the water cycle	• Fossil formation activity	• Investigating inputs activity
	Google Internet Legends		
	• Think Before You Share (Be Internet Sharp)	• Check it's For Real (Be Internet Alert) • Protect Your Stuff (Be Internet Secure)	• Respect Each Other (Be Internet Kind) • When in Doubt, Discuss (Be Internet Brave)

My Curriculum Story - Computing

Year	Autumn	Spring	Summer

	The Romans in Britain	The Ancient Egyptians	Stories from other cultures
4	**Switched on Computing**		
	• We are software developers – developing a simple educational game • We are toy designers – prototyping an interactive toy	• We are musicians – producing digital music • We are HTML editors – editing and writing HTML	• We are co-authors – producing a wiki • We are meteorologists – presenting the weather
	Switched on iPad		
	• English: Animate it • Maths: How loud is it? • Science: Fizzy drink geysers	• English: Speak it • Maths: Sing your times tables • Science: Exploring sounds	• English: Story time • Maths: Medieval maths • Science: Build a nest!
	Discovery Education: Coding		
	• Block Coding: Year 4 Starter Unit • HTML: Unit 1 – introduction to HTML	• Block Coding: Unit 4a – introduction to variables • HTML: Unit 2 – HTML formatting and CSS	• Block Coding: Unit 4b – repetition and loops • HTML: Unit 3 –HTML links
	Espresso: Computing		
	• Online Safety	• Digital video workshop	• How to… guides
	Barefoot Computing		
	• Make a game project	• Classroom sound monitor	• Scratch maths quiz selection
	Google Internet Legends		
	• Think Before You Share (Be Internet Sharp)	• Check it's For Real (Be Internet Alert) • Protect Your Stuff (Be Internet Secure)	• Respect Each Other (Be Internet Kind) • When in Doubt, Discuss (Be Internet Brave)

My Curriculum Story - Computing

Year	Autumn	Spring	Summer

	Native Americans	The Vikings	Ancient Greeks
5	Switched on Computing		
	• We are game developers – developing an interactive game • We are cryptographers – cracking codes	• We are artists – fusing geometry and art • We are web developers – creating a website about cyber safety	• We are bloggers – sharing experiences and opinions • We are architects – creating a virtual space
	Switched on iPad		
	• English: Advertise this • Maths: Really big numbers • Science: Science station discovery trail	• English: Bring your poem to life • Maths: How to calculate area and perimeter • Science: Life cycle library	• English: Comic creator • Maths: Properties of shapes • Science: Parachute jump
	Discovery Education: Coding		
	• Block Coding: Year 5 Starter Unit • Python: Unit 1 – Introduction to Python	• Block Coding: Unit 5a – speed, direction and coordinates • Python: Unit 2 – Python graphics	• Block Coding: Unit 5b – random numbers & simulations • Python: Unit 3 – random numbers and simulations
	Espresso: Computing		
	• Online Safety	• Data logging	• Understanding computers
	Barefoot Computing		
	• Solar system simulation • Modelling the internet	• Shapes & crystal flowers repetition • Logical number sequences	• Viking raid animation • Network hunt activity
	Google Internet Legends		
	• Think Before You Share (Be Internet Sharp)	• Check it's For Real (Be Internet Alert)	• Protect Your Stuff (Be Internet Secure)	• Respect Each Other (Be Internet Kind)	• When in Doubt, Discuss (Be Internet Brave)

My Curriculum Story - Computing

Year	Autumn	Spring	Summer

	Medieval Realms	Campaigners for change	The Mayans and Famous Journeys
6	Switched on Computing		
	• We are app planners – planning the creation of a mobile app • We are project managers – developing project management skills	• We are market researchers – researching the app market • We are interface designers – designing an interface for an app	• We are app developers – developing a simple mobile phone app • We are marketers – creating video and web copy for a mobile app
	Switched on iPad		
	• English: Presentation creator • Maths: Ratio problems • Science: Classifying car materials	• English: Radio jingle and advert • Maths: Maths tutorial • Science: Investigating exercise	• English: Information text • Maths: Revision guide • Science: Snail trail
	Discovery Education: Coding		
	• Block Coding: Year 6 Starter Unit	• Block Coding: Unit 6a – more complex variables • Safer Internet Day	• Block Coding: Unit 6b – object properties
	Espresso: Computing		
	• Online Safety	• Presentation creator	• Podcast workshop
	Barefoot Computing		
	• Logical reasoning unplugged • Selecting search activity	• Scratch maths quiz variables • Ranking search activity	• 2D shape drawing debugged
	Google Internet Legends		
	• Think Before You Share (Be Internet Sharp)	• Check it's For Real (Be Internet Alert)	• Protect Your Stuff (Be Internet Secure)	• Respect Each Other (Be Internet Kind)	• When in Doubt, Discuss (Be Internet Brave)