



Computing

Autumn Curriculum Overview

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Autumn 1	<u>Scratch Jr (Computer Science)</u> Code and program using Scratch Jr on the iPad Understand that the character is controlled by the programming blocks Use repetition in an order sequence Use sounds in Scratch Jr	<u>Scratch Jr (Computer Science)</u> Use Scratch Jr to code and insert loops into programmes Understand that coding is writing in a special language Understand that the character is controlled by programming blocks Write a program to create a musical instrument or joke	<u>PowerPoint: Local Area (Information Technology)</u> Create slides using design Create my own text boxes Add images and shapes to my PowerPoint Create a PowerPoint using transitions Move and delete slides Navigate through a slide show	<u>PowerPoint: Rivers (Information Technology)</u> Create slides using design Create my own text boxes Add images and pictures to my PowerPoint Create a PowerPoint using transitions Move and delete slides Navigate through a slide show	<u>Spreadsheets: Forces (Information Technology)</u> Insert data into cells Adjust column width and row height Use cell alignment (top, bottom, middle, left, centre and right) Use cell reference to complete calculations Insert and delete rows/columns and cells Sort data by columns Record data in a table Create graphs and charts using my information	<u>Purple Mash 2Code: (Computer Science)</u> Use Purple Mash 2Code (Gorilla) to program an adventure game Debug a program and organise the code into tabs Code programs that take text input from the user Use flowcharts to test and debug a program Identify coding words and understand their meanings

Autumn 2	<u>Scratch Jr (Computer Science)</u> Code and program using Scratch Jr on the iPad Understand that the character is controlled by the programming blocks Use repetition in an order sequence Use sounds in Scratch Jr	<u>Scratch Jr (Computer Science)</u> Use Scratch Jr to code and insert loops into programmes Understand that coding is writing in a special language Understand that the character is controlled by programming blocks Write a program to create a musical instrument or joke	<u>Purple Mash 2Code (Computer Science)</u> Use Purple Mash 2Code (Chimp) to design and write a program Use repetition commands Introduce 'if' statements in my program Debug my code if something goes wrong Understand what some coding words mean	<u>Purple Mash 2Code (Computer Science)</u> Use Purple Mash 2Code (Chimp/Gibbon) to design and write a program Create a program with a character that repeats actions Create an 'if' statement in my program Use variables and investigate control by creating a simulation Understand what some coding words mean	Print a worksheet using print setting <u>Purple Mash 2Code (Computer Science)</u> Use Purple Mash 2Code (Gibbon) to design and write a program Explain what a variable is in programming Create a playable competitive game Code a program that informs others Identify coding words and understand their meanings	<u>Spreadsheets: Light & Shadows (Information Technology)</u> Insert data into cells Adjust column width and row height Use cell alignment (top, bottom, middle, left, centre and right) Use cell reference to complete calculations Insert and delete rows/columns and cells Sort data by columns Record data in a table Create graphs and charts using my information Print a worksheet using print setting
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Skills Taught All Year	<u>Pupil Login and Accessing Software</u>	<u>Pupil Login and Accessing Software</u>	<u>Pupil Login and Accessing Software</u>	<u>Pupil Login and Accessing Software</u>	<u>Pupil Login and Accessing Software</u>	<u>Pupil Login and Accessing Software</u>
	Turn on the iPad	Access the school network using my class username and password	Use my class username and password to login to the school network	Use my class username and password to login to the school network	Use my class username and password to login to the school network	Use my class username and password to login to the school network
	Use my own username and password to login to Purple Mash	Use my own username and password to login to Purple Mash	Use my own username and password to login to Purple Mash	Use my own username and password to login to Purple Mash	Use my own username and password to login to Purple Mash	Use my own username and password to login to Purple Mash
	Unlock an iPad using the home button	Use my own username and password to login to Numbots	Use my own username and password to login to TT Rock Stars	Use my own username and password to login to TT Rock Stars	Use my own username and password to login to TT Rock Stars	Use my own username and password to login to TT Rock Stars
	Find the app that I am using on the iPad	Select icons on the desktop by double clicking	Use my own username and password to login to Accelerated Reader	Use my own username and password to login to Accelerated Reader	Use my own username and password to login to Accelerated Reader	Use my own username and password to login to Accelerated Reader
		Use the start menu on Microsoft Windows	Save my work to the W:Drive folder	Save my work to the W:Drive folder	Save my work to the W:Drive folder	Save my work to the W:Drive folder
		Find the app that I need to use on the iPad	Open my files on the W:Drive folder	Open my files on the W:Drive folder	Open my files on the W:Drive folder	Open my files on the W:Drive folder
			<u>Internet Use:</u>	<u>Internet Use:</u>	<u>Internet Use:</u>	<u>Internet Use:</u>
			Use an appropriate search engine	Use an appropriate search engine	Use an appropriate search engine	Use an appropriate search engine
			Understand what to type into a search	Understand what to type into a search	Understand what to type into a search engine to get more accurate results Understand which websites I need to use	Understand what to type into a search engine to get more accurate results Understand which websites I need to use

			engine to get more accurate results Understand which websites I need to use to get more accurate information	engine to get more accurate results Understand which websites I need to use to get more accurate information	to get more accurate information Understand copyright and what information I am allowed to use Copy and paste items from a website into a document Save items from the Internet	to get more accurate information Understand copyright and what information I am allowed to use Copy and paste items from a website into a document Save items from the Internet
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