Pearl Class (Reception) – EYFS					
Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Term 1  Marvellous Me! I can identify some simple examples of my personal information (e.g. name, address, birthday, age, location).  I can give examples of when I should ask permission to do something online and explain why this is important.  I can identify rules that help keep us safe and healthy in and beyond the home	Term 2  Let's Celebrate I can recognise some ways in which the internet can be used to communicate. I can give examples of how I (might) use technology to communicate with people I know. I can give examples of when I should ask permission to do something online and explain why this is important.	Term 3 Off We Go! I can give examples of when I should ask permission to do something online and explain why this is important. I can recognise that information can stay online and could be copied. I can describe what information I should not put online without asking a trusted adult first.	Term 4 The Bear Necessities I can describe ways that some people can be unkind online. I can offer examples of how this can make others feel. I can describe how to behave online in ways that do not upset others and can give examples.	Term 5 Glorious Growing I can talk about how to use the internet as a way of finding information online. I can identify devices I could use to access information on the internet.  I can give simple examples of how to find information using digital technologies, e.g. search engines, voice activated searching). I know / understand that we can encounter a range of things	Term 6  Ahoy, there! I can identify some simple examples of my personal information (e.g. name, address, birthday, age, location).  I can describe who would be trustworthy to share this information with; I can explain why they are trusted.
when using technology. I can give some simple examples of these rules.  I can recognise, online or offline, that anyone can say 'no' / 'please stop' / 'I'll tell' / 'I'll ask'				online including things we like and don't like as well as things which are real or make believe / a joke.  I know how to get help from a trusted adult if we see content that makes us feel sad,	

to somebody who makes them feel sad, uncomfortable, embarrassed or upset.		uncomfortable worried or frightened.	
I can recognise that there may be people online who could make someone feel sad, embarrassed or upset.			
If something happens that makes me feel sad, worried, uncomfortable or frightened I can give examples of when and how to speak to an adult I can trust and how they can help			

Ruby Class (Year 1 & 2) – Key Stage 1					
Term 1 (Yr1)	Cycle A - Term 2	Cycle A - Term 3	Cycle A - Term 4	Cycle A - Term 5	Cycle A - Term 6
Explorers	Around the World	Dinosaurs	Giants	Growing	The Seaside
Technology Around	Digital Painting	Digital Photography	Grouping Data	Moving a Robot	Robot Algorithms
Us	To describe what	To know what devices	To label objects	To explain what a	To describe a series of
To identify technology	different freehand tools	can be used to take	To identify that objects	given command will do	instructions as a
To identify a computer	do	photographs	can be counted	To act out a given word	sequence
and its main parts	To use the shape tool	To use a digital	To describe objects in	To combine forwards	To explain what
To use a mouse in	and the line tools	device to take a	different ways	and backwards	happens when we
different ways	To make careful choices	photograph	To count objects with	commands to make a	change the order of
To use a keyboard to	when painting a digital	To describe what	the same properties	sequence	instructions
type	picture	makes a good	To compare groups of	To combine four	To use logical
To use the keyboard	To explain why I chose	photograph	objects	direction commands to	reasoning to predict the
to edit text	the tools I used	To decide how	To answer questions	make sequences	outcome of a program
To create rules for	To use a computer on	photographs can be	about groups of objects	To plan a simple	(series of commands)
using technology	my own to paint a picture	improved		program	To explain that
responsibly	To compare painting a	To use tools to		To find more than one	programming projects
	picture on a computer	change an image		solution to a problem	can have code and
	and on paper	To recognise that			artwork
		images can be			To design an algorithm
		changed			To create and debug a
					program that I have
Torm 4 (Vr2)	Cycle B. Term 2	Cycle D. Term 2	Cycle B. Term 4	Cycle D. Term F	written
Term 1 (Yr2)	Cycle B - Term 2	Cycle B - Term 3	Cycle B - Term 4	Cycle B - Term 5	Cycle B - Term 6
Down Under	Fire Digital Writing	Winter Wonderland	Space Pictograms	Green Introduction to	It's a Bug's Life An Introduction to
Technology Around Us	To use a computer to	Making Music To say how music	To recognise that we	Animation	Quizzes
To recognise the uses	write	can make us feel	can count and	To choose a command	To explain that a
and features of	To add and remove text	To identify that there	compare objects using	for a given purpose	sequence of
information	on a computer	are patterns in music	tally charts	To show that a series	commands has a start
technology	To identify that the look	To describe how	To recognise that	of commands can be	To explain that a
To identify information	of text can be changed	music can be used in	objects can be	joined together	sequence of
technology in the	on a computer	different ways	represented as	To identify the effect of	commands has an
home		amoroni wayo	pictures	changing a value	outcome
HOHE			Piotures	onanging a value	OULCOING

To identify information technology beyond school To explain how information technology benefits us To show how to use information technology safely To recognise that choices are made when using	To make careful choices when changing text To explain why I used the tools that I chose To compare writing on a computer with writing on paper	To show how music is made from a series of notes To create music for a purpose To review and refine our computer work	To create a pictogram To select objects by attribute and make comparisons To recognise that people can be described by attributes To explain that we can present information using a computer	To explain that each sprite has its own instructions To design the parts of a project To use my algorithm to create a program	To create a program using a given design To change a given design To create a program using my own design To decide how my project can be improved

Sapphire Class (Year 3 & 4) - Lower Key Stage 2					
Cycle A - Term 1	Cycle A - Term 2	Cycle A - Term 3	Cycle A - Term 4	Cycle A - Term 5	Cycle A - Term 6
The Sound Collector	Meet the Flintstones	Romans – Escape	Romans – The Empire	Tales from Europe	Much Ado About
Connecting	Animation	from Pompeii	Strikes Back	Sequence in Music	Nothing
Computers	To explain that animation	Audio Editing	Branching Databases	To explore a new	Repetition in Shapes
To explain how digital	is a sequence of	To identify that sound	To create questions	programming	To identify that
devices function	drawings or photographs	can be digitally	with yes/no answers	environment	accuracy in
To identify input and	To relate animated	recorded	To identify the object	I can identify that each	programming is
output devices	movement with a	To use a digital	attributes needed to	sprite is controlled by	important
To recognise how	sequence of images	device to record	collect relevant data	the commands I	To create a program in
digital devices can	To plan an animation	sound	To create a branching	choose	a text-based language
change the way we	To identify the need to	To explain that a	database	To explain that a	To explain what
work	work consistently and	digital recording is	To identify objects	program has a start	'repeat' means
To explain how a	carefully	stored as a file	using a branching	To recognise that a	To modify a count-
computer network can	To review and improve	To explain that audio	database	sequence of	controlled loop to
be used to share	an animation	can be changed	To explain why it is	commands can have	produce a given
information	To evaluate the impact of	through editing	helpful for a database	an order	outcome
To explore how digital	adding other media to an	To show that different	to be well structured	To change the	To decompose a
devices can be	animation	types of audio can be	To compare the	appearance of my	program into parts
connected		combined and played	information shown in a	project	To create a program
To recognise the		together	pictogram with a	To create a project	that uses count-
physical components		To evaluate editing	branching database	from a task description	controlled loops to
of a network		choices made			produce a given
					outcome
Cycle B - Term 1	Cycle B - Term 2	Cycle B - Term 3	Cycle B - Term 4	Cycle B - Term 5	Cycle B - Term 6
Around the World	Wonderful Warriors	Ancient Greece -	Ancient Greece -	The Paradise Garden	It's Not Easy Being
The Internet	Desktop Publishing	Legends	Legacy	Events and Actions	Green
To describe how	To recognise how text	Photo Editing	Data Logging	To explain how a sprite	Repetition in Games
networks physically	and images convey	To explain that digital	To explain that data	moves in an existing	To develop the use of
connect to other	information	images can be	gathered over time can	project	count-controlled loops
networks	To recognise that text	changed	be used to answer	To create a program to	in a different
To recognise how	and layout can be edited	To change the	questions	move a sprite in four	programming
networked devices	To choose appropriate	composition of an		directions	environment
make up the internet	page settings	image			

To outline how websites can lishared via the Wide Web To describe he content can be and accessed World Wide W To recognise I content of the is created by p To evaluate the consequences unreliable con	e World  ow e added on the /eb how the WWW beople ne s of	To add content to a desktop publishing publication To consider how different layouts can suit different purposes To consider the benefits of desktop publishing	To describe how images can be changed for different uses To make good choices when selecting different tools To recognise that not all images are real To evaluate how changes can improve an image	To use a digital device to collect data automatically To explain that a data logger collects 'data points' from sensors over time To use data collected over a long duration to find information To identify the data needed to answer questions  To use collected data to answer questions	To adapt a program to a new context To develop my program by adding features To identify and fix bugs in a program To design and create a maze-based challenge	To explain that in programming there are infinite loops and count controlled loops To develop a design which includes two or more loops which run at the same time To modify an infinite loop in a given program To design a project that includes repetition To create a project that includes repetition
unreliable con	tent			To use collected data to answer questions		includes repetition

Emerald Class (Year 5 & 6) – Upper Key Stage 2					
Cycle A - Term 1	Cycle A - Term 2	Cycle A - Term 3	Cycle A - Term 4	Cycle A - Term 5	Cycle A - Term 6
Out of this World	The Great War (WW1)	The Home Front	Journey to Mecca	Sussex Landscape	Pirates and Smugglers
Communication	Video Editing	(WW2)	Spreadsheets	Variables in Games	Sensing
To identify how to use	To recognise video as	Web Page Creation	To explain that formula	To define a 'variable'	To create a program to
a search engine	moving pictures, which	To review an existing	can be used to	as something that is	run on a controllable
To describe how	can include audio	website and consider	produce calculated	changeable	device
search engines select	To identify digital devices	its structure	data	To explain why a	To explain that
results	that can record video	To plan the features	To apply formulas to	variable is used in a	selection can control
To explain how	To capture video using a	of a web page	data, including	program	the flow of a program
search results are	digital device	To consider the	duplicating	To choose how to	To update a variable
ranked	To recognise the	ownership and use of		improve a game by	with a user input
To recognise why the	features of an effective	images (copyright)		using variables	To use an conditional
order of results is	video	To recognise the		To design a project	statement to compare a
important, and to	To identify that video can	need to preview		that builds on a given	variable to a value
whom	be improved through	pages		example	To design a project that
To recognise how we	reshooting and editing	To outline the need		To use my design to	uses inputs and
communicate using	To consider the impact of	for a navigation path		create a project	outputs on a
technology	the choices made when	To recognise the		To evaluate my project	controllable device
To evaluate different	making and sharing a	implications of linking			To develop a program
methods of online	video	to content owned by			to use inputs and
communication		other people			outputs on a
					controllable device
Cycle B - Term 1	Cycle B - Term 2	Cycle B - Term 3	Cycle B - Term 4	Cycle B - Term 5	Cycle B - Term 6
The Amazing	Victorians	Secret Agents	Ancient Egypt	Journey to the River	Freedom – The Slave
Americas	Vector Drawing	3D Modelling	Flat-File Databases	Sea	Trade
Sharing Information	To identify that drawing	To use a computer to	To use a form to record	Selection in Physical	Selection in Quizzes
To explain that	tools can be used to	create and	information	Computing	To explain how
computers can be	produce different	manipulate three-	To compare paper and	To control a simple	selection is used in
connected together to	outcomes	dimensional (3D)	computer-based	circuit connected to a	computer programs
form systems	To create a vector	digital objects	databases	computer	To relate that a
	drawing by combining		To outline how		conditional statement
	shapes		grouping and then		

To recognise the role of computer systems in our lives To recognise how information is transferred over the internet To explain how sharing information online lets people in different places work together To contribute to a shared project online To evaluate different ways of working together online	digitally with 2D and 3D graphics To construct a digital 3D model of a physical object To identify that physical objects can	sorting data allows us to answer questions To explain that tools can be used to select specific data To explain that computer programs can be used to compare data visually To apply my knowledge of a database to ask and answer real-world questions	To write a program that includes count-controlled loops To explain that a loop can stop when a condition is met, eg number of times To conclude that a loop can be used to repeatedly check whether a condition has been met To design a physical project that includes selection To create a controllable system that includes selection	connects a condition to an outcome To explain how selection directs the flow of a program To design a program which uses selection To create a program which uses selection To evaluate my program
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