



Y3/4			Cycle B		
Autumn 1	Spring 1	Summer 1	Autumn 1	Spring 1	Summer1
networks		Audio Production (4)	networks	Programming Repetition in Shapes (4)	Creating Media Photo editing (4)
processes, and outputs? Identifying that digital devices have inputs, processes,	language to make music? Creating sequences in a block-based programming language to make music (Scratch)	audio produce a podcast? Capturing and editing audio to produce a podcast, ensuring that copyright is considered.	should we evaluate content? Recognising the internet as a network of networks including the WWW, and why we should evaluate online content. (Various	How can we use programming language for controlled loops when drawing shapes? Using a text-based programming language to explore count-controlled loops when drawing shapes. (FMSLogo/Turtle academy)	How can we manipulate images to fulfil a purpose? Manipulating digital images and reflecting on the impact of changes and whether the required purpose is fulfilled. (Laptops-Paint.NET)
2.I can identify input and output devices 3.I can recognise how digital devices can change the way we work 4.I can explain how a computer network can be used to share information 5.I can explore how digital devices can be connected 6.I can recognise the physical	photographs 2.I can relate animated movement with a sequence of images 3.I can plan an animation 4.I can identify the need to work consistently and carefully 5.I can review and improve an animation 6.I can evaluate the impact of	be digitally recorded 2.I can use a digital device to record sound 3.I can explain that a digital recording is stored as a file 4.I can explain that audio can be changed through editing 5.I can show that different types of audio can be combined and played together	physically connect to other networks 2.I can recognise how networked devices make up the internet 3.I can outline how websites can be shared via the World Wide Web (WWW) 4.I can describe how content can be added and accessed on the World Wide Web (WWW) 5.I can recognise how the	3.I can explain what 'repeat' means 4.I can modify a count-controlled loop to produce a given outcome 5.I can decompose a task into small	1.I can explain that digital images can be changed 2.I can change the composition of an image 3.I can describe how images can be changed for different uses 4.I can make good choices when selecting different tools 5.I can recognise that not all images are real. 6.I can evaluate how changes can improve an image





			6.I can evaluate the consequences of unreliable content		
output, Program, digital, nondigital, Connection,	sequence, image, photograph, Setting, character, events, stopframe, onion skinning, consistency, Evaluation, delete	edit, trim, align, layer, import, record, playback, edit, selection,	Information technology (IT) computer, Network switch, server, wireless access point (WAP), router, Website, web page, web address, routing, web browser, World Wide Web, internet, content, links, files, content, download, sharing, ownership, permission, Information, sharing, accurate, honest, content, adverts	Program, Turtle, arrow, Commands, code snippet, Algorithm, Design, Debug, pattern, repeat, repetition, count-controlled loop, algorithm, value, Repeat, repetition, count controlled loop, trace, value, Decompose, Procedure	Image, edit, digital, crop, rotate, undo, save, adjustments, effects, colours, hue, saturation, sepia, vignette, retouch, clone, select, copy, paste, combine, made up, real, composite, cut, copy, paste, alter, background, foreground, Rotate, crop, zoom, clone, select, copy, paste, undo, font
Natterhub E-Safety focus	Natterhub E-Safety focus	Natterhub E-Safety focus	Natterhub E-Safety focus	Natterhub E-safety focus	Natterhub E-safety focus
Year 4	Year 4	Year 4	Year 3	Year 3	Year 3
Feel It: Lesson 1	Think It: Lesson 1	Feel It: Lesson 3	Feel it – Lesson 1	Think it – Lesson 1	Feel it – Lesson 2
To identify some online technologies where bullying might take place.	offline identities are different	online post can have. Chat It: Lesson 2	To explore cyberbullying and describe how our actions online affect others. Balance – Lesson 1	To identify and describe safe online sharing through the exploration of reallife and online identities. Mind it – Lesson 1	To recognise different situations that are bullying. Question it – Lesson 3 To explain the difference between a
Balance It: Lesson 1 To consider how time spent on technology can affect other activities. Chat It: Lesson 1 To know how to communicate what I am doing online and explain why I have chosen to do so. Question It: Lesson 1	out information about me by looking online. Secure It: Lesson 2 To understand how personal information can be used by others. Learn It: Lesson 1	screen name. Question It: Lesson 2 To understand that not all information online is factual. Balance It: Lesson 2 To understand the importance of sleep for our physical and	To identify and consider why a balance is needed when using screens. Chat it – Lesson 1 To understand the risks associated with meeting and talking to people that I don't know. Question it – Lesson 2 To understand that the internet can be used to buy and sell things.	To understand that information about people is stored online. Secure it – Lesson 1 To understand what information to safely share with trusted people. Learn it – Lesson 1 To understand that other people's work belongs to them.	belief, an opinion and a fact. Think it – Lesson 3 To identify strategies to help solve problems. Chat it – Lesson 3 To know what to do when we feel





To understand the differences between opinions, beliefs and facts.					
Autumn 2	Spring 2	Summer 2	Autumn 2	Spring 2	Summer 2
Creating Media	Data and information	Programming	Creating Media	Data and information	Programming
Desktop Publishing (3) How can we create documents for a specific purpose? Creating documents by modifying text, images, and page layouts for a specified purpose. (Canva.com)	Data logging (4)		Stop frame animation (3) How can we use images to produce an animation?	Branching databases (3)	Repetition in games (4)
. – .	time and why is it useful? Recognising how and why data is collected over time, before using data loggers to carry out	a sequence of actions?	images to produce a stop-frame animation that tells a story. (iMotion)	_	How can we create infinite loops using block-based programming language? Using a block-based programming language to explore count-controlled and infinite loops when creating a game. (Scratch)
2.I can create a program to move a sprite in four directions	collect data automatically 3.I can explain that a data logger collects 'data points'	1.I can explain how a sprite moves in an existing project 2.I can create a program to move a sprite in four directions 3.I can adapt a program to a new context 4.I can develop my program by adding features	movement with a sequence of images 3. can plan an animation 4. I can identify the need to work consistently and carefully	1. I can create questions with yes/no answers 2.I can identify the object attributes needed to collect relevant data 3.I can create a branching database 4.I can explain why it is helpful for a database to be well structured 5.I can identify objects using a branching database	1.I can develop the use of countcontrolled loops in a different programming environment 2.I can explain that in programming there are infinite loops and count controlled loops 3.I can develop a design that includes two or more loops which run at the same time





5.I can identify and fix bugs in a	4.I can use data collected over	5.I can identify and fix bugs in a	5.I can review and improve an	6.I can compare the information shown	4.I can modify an infinite loop in a given
program	a long duration to find	program	animation	in a pictogram with a branching	program - I can design a project that
	information			database	includes repetition
6.I can design and create a		6.I can design and create a	6.I can evaluate the impact of		
maze-based challenge	5.I can identify the data needed	maze-based challenge	adding other media to an		5.I can create a project that includes
	to answer questions		animation		repetition
	6.I can use collected data to				
	answer questions				
Motion, event, sprite,	Data, table, layout, Input	Motion, event, sprite,	Stop–frame, animation, frame	Attribute, value, questions, table,	Scratch, programming, sprite, blocks,
algorithm, logic, Move, resize,	device, sensor, data logger,	algorithm, logic, Move, resize,	sequence, image, photograph,	objects, branching database, database	code, loop, repeat, value, forever, infinite
algorithm, Extension block, pen	logging, data point, interval,	algorithm, Extension block, pen	Setting, character, events,	value, questions, objects, equal, even,	loop, count-controlled loop, costume,
up, set up, Pen, design, event,	Analyse, data set, import,	up, set up, Pen, design, event,	stopframe, onion skinning,	seperate, attribute, question, structure,	Repetition, animate, costume, event
action, algorithm, Debugging,	export, collection, Analyse,	action, algorithm, Debugging,	consistency, Evaluation, delete	compare, organise, order, decision tree	block, duplicate, modify, design, design,
errors, setup, Design, code,	review, conclusion	errors, setup, Design, code,	frame, media, import transition		algorithm, debug, refine, evaluate
setup, test		setup, test			