Computing Skills and Vocabulary Progression

Year 1
Intent – aims and vocabulary

Year 1 Autumn	Vocabulary
 Online Safety 4 lessons Log in safely and understand why that is important Create an avatar and understand what this is and how it is used Create a picture and add their name to it Understand the idea of 'ownership' of creative work Save work in the 'My Work' area and understand this is a private space Find saved work in the 'Online Work' area Search Purple Mash to find resources Find messages on Purple Mash Become familiar with the types of resources available Become more familiar with the icons used Add pictures and text to work Explore the 'Tools' are of Purple Mash Identify and explain common icons (Save, Print, Open, New) Understand the importance of logging out 	Alert Saving Avatar Search Button Shared Folder Device Textbox File Name Think About Box Filter Topic Area Home Screen Tool Bar Icon Typing Login Writing Template Log out Menu My Work Area Notification Password Private Purple Mash Tools
 Grouping and Sorting 2 lessons Think logically about the steps of a process Sort items using a range of criteria Sort items on the computer using the 'Grouping' activities Bring together logical thinking and the use of technology Introduce the term 'algorithm' Describe logically following a process 	Algorithm Groups Criteria Less Than Describe More Than Equal Sort

Pictograms 3 lessons	Collect Data	Record Results
 Understand that data can be represented in picture format 	Compare	Title
Contribute to a class pictogram	Data	Totals
Use a pictogram to record the results of an experiment	Pictogram	Visual
Year 1 Spring	Vocabulary	
Lego Builders 3 lessons	Algorithm	Machine
 Emphasise the importance of following instructions 	Code	Program
Follow and create simple instructions on the computer	Computer	Recipe
 Consider how the order of instructions affects the result 	Debugging	Sequence
	Instructions	
Maze Explorers 4 lessons	Algorithm	Instruction
 Understand the functionality of the basic direction keys 	Challenge	Left and Right
Use the direction keys to complete challenges successfully	Command	Route
 Create and debug a set of instructions 	Delete	Undo
Use additional direction keys as part of an algorithm	Direction	Unit
Change and extend the algorithm list		
Create a longer algorithm for an activity		
Set challenges for our peers		
Animations 5 lessons	Animation	Font
Understand the differences between traditional books and e-books	Background	Sound
Explore the tools of '2Create a Story's My Simple Story level'	Category	Overwrite
Save the work created	Clip-art Gallery	Paint Tools
Add animation to a picture	Сору	Paste
Play the pages created	Drop-down Menu	Play Mode
 Make changes and Overwrite previously saved work 	E-book	Redo
 Add sound effects, created music and voice recordings to pictures 	Edit	Save
Add backgrounds to an animation	Eraser	Sound Effect
- Add backgrounds to an animation	Features	Text

• Us	emonstrate understanding of all the tools used in 2Create a story e copy and paste to create additional pages emplete an animated story eate a class display board	Undo	Voice Recording
Year 1	Summer	Vocabulary	
 Pre Un Us Un Us Un Us Un Us Pla 	derstand what instructions are edict what will happen when instructions are followed derstand that computer programs work by following instructions called code e code to make a computer program derstand what objects and actions are derstand what an event is e an event to control an object derstand how code executes when a program is run derstand what backgrounds and objects are e the scale attribute (property) an a computer game ake a computer game	Action Algorithm Background Click Code Code Blocks Coding Code View Command Debug/Debugging Design View Event Execute	Instruction Object Output Plan Programmer Properties Run Scale Scene Software Sound When Clicked
• Un • Na • En • Lea • Ad	heets 3 lessons Inderstand what a spreadsheet is Invigate around a spreadsheet Iter data into a spreads	Button Calculations Cell Clipart Column Count Tool Data Delete	Image Lock Cell Move Cell Row Select Speak Tool Spreadsheet Value

Use the 'speak' and 'count' tools in 2calculate to count items	
Technology Outside of School 2 lessons	Computer
Find and understand examples of where technology is used in the local community	Technology
Record examples of technology outside of school	

Year 2 Intent – aims and vocabulary

Year 2	Autumn	Vocabulary	
Online Sa Rei Sha Usa witt Ha Int Int Op Un Be	afety 3 lessons fine searches using the Search tool. are work electronically using the display boards. e digital technology to share work on Purple Mash to communicate and connect the others locally. we some knowledge and understanding about sharing more globally on the ernet. roduce Email as a communication tool using 2Respond simulations. derstand how we talk to others when they are not there in front of us. en and send simple online communications in the form of email. derstand that information put online leaves a digital footprint or trail. gin to think critically about the information they leave online. entify the steps that can be taken to keep personal data and hardware secure	Attachment Digital Footprint Display Board Email Filter Identifying Internet	Personal Information Private Information Protection Reply Search Secure Sharing

Action	Object
Algorithm Background Bug Button Click Events Collision Detection Collision Detection Event Command Debug/Debugging Event Execute Image	Object Name Output Predict Properties Run Scale Scene Sequence Test Text Timer Turtle Object
Interaction Interval	When Clicked When Key Even When Swiped Even
Block Graph Cell Coins Column Copy Count Tool	Equals Tool Image Value Label Paste Price Row Speak Tool Table Toolbox Total
	Algorithm Background Bug Button Click Events Collision Detection Collision Detection Event Command Debug/Debugging Event Execute Image Implement Interaction Interval Addition Block Graph Cell Coins Column Copy Count Tool Cut Data Drag

Year 2 Spring	Vocabulary
 Questioning 5 lessons Show that the information provided on pictograms is of limited use beyond answering simple questions Use yes/no questions to separate information Construct a binary tree to separate different items. Use 2Question (a binary tree) to answer questions Use a database to answer more complex search questions. Find information using the 'Search Tool'. Effective Searching 3 lessons Understand the terminology associated with the Internet and searching. Gain a better understanding of searching the Internet. Create a leaflet to help someone search for information on the Internet 	Avatar Binary Tree Question Data Record Database Field Information Browser Device Digital Footprint Domain Unternet Network Pictogram Question Record Search Field Sort URL URL URL Web Address Web Page Web Site World Wide Web
Creating Pictures 5 lessons Explore 2Paint A Picture. Look at the work of Impressionist artists Recreate Impressionist art using the Impressionism template. Look at the work of pointillist artists such as Seurat. Recreate pointillist art using the Pointillism template. Look at the work of Piet Mondrian Recreate Piet Mondrian artwork using the Lines template. Look at the work of William Morris Recreate William Morris artwork using the Patterns template. Look at some surrealist art Create artwork using the eCollage function in 2Paint A Picture.	Art Parallel Clipart Pointillism Diagonal Repeating Pattern Dilute Rotated eCollage Stamps Fill Style Horizontal Surrealism Impressionism Symmetry Line Vertical Palette

Year 2	Summer	Vocabulary	
Making I Be Exp Ad Thi Cre Up	Music 3 lessons introduced to making music digitally using 2Sequence. blore, edit and combine sounds using 2Sequence. d sounds to a tune to improve it. nk about how music can be used to express feelings eate tunes which depict feelings. load a sound from a bank of sounds into the Sounds section. cord their own sound and upload it into the Sounds section.	Bars Beat Compose Note Tune Repeat	Sound Effect Soundtrack Speed Tempo Volume
Presenti	eate their own tune using the sounds which they have added to the Sounds section. Ing ideas 4 lessons Polore how a story can be presented in different ways. Inke a quiz about a story or class topic Inke a fact file on a non-fiction topic. Inke a presentation to the class.	E-Book Fact File Fiction Mind Map Multiple-Choice	Node Non-Fiction Presentation Quiz

Year 3 Intent – aims and vocabulary

Year 3 Autumn	Vocabulary	
Online Safety 3 lessons	Appropriate	Reliable Source
Know what makes a safe password,	Blog	Reputable Source
 Explain how to keep passwords safe and the consequences of giving your passwords 	Inappropriate	Spoof
away.	Internet	Verify
 Understand how the Internet can be used to help us to communicate effectively. 	Password	Vlogs
 Understand how a blog can be used to help us communicate with a wider audience. 	Personal information	Website
Consider if what can be read on websites is always true.	Permission	

 Recognise what a 'spoof' website is. Create a 'spoof' webpage. Think about why these sites might exist and how to check that the information is accurate. Learn about the meaning of age restrictions symbols on digital media and devices. Discuss why PEGI restrictions exist. Know where to turn for help if they see inappropriate content or have inappropriate contact from others. Coding 6 lessons Review previous coding knowledge. Understand what a flowchart is and how flowcharts are used in computer programming. Understand that there are different types of timers. Select the right type of timer for a purpose. Use the repeat command. Use coding knowledge to create a range of programs. Understand the importance of nesting. Design and create an interactive scene. 	Action Alert	Implement Input Interval Nest Object Predict Properties Repeat Right-Angle Run Scene Sequence Test Timer Turtle Object
 Spreadsheets 3 lessons Add and edit data in a table layout. Find out how spreadsheet programs can automatically create graphs from data. Introduce the 'more than', 'less than' and 'equals' tools. Introduce the 'spin' tool and show how it can be used to count through times tables. Introduce the Advanced mode of 2Calculate. 	Advance Mode Bar Graph More Than, Lo Cell Address Data Equals Less Than	More Than ess Than & Equal tool Pie Chart Quiz Tool Spinner Tool Table

 Learn about describing cells using their addresses. 		
Year 3 Spring	Vocabulary	
Touch-typing 4 Lessons Introduce typing terminology. Understand the correct way to sit at the keyboard. Learn how to use the home, top and bottom row keys. Practice and improve typing for home, bottom, and top rows. Practice the keys typed with the left hand. Practice the keys typed with the right hand Email 6 Lessons Think about the different methods of communication. Open and respond to an email. Write an email to someone from an address book. Learn how to use email safely. Learn how to use email safely. Add an attachment to an email Explore a simulated email scenario.	Keys Posture Address Book Attachment BCC – Blind Carbon Copy CC – Carbon Copy Communication Compose Email Inbox	Spacebar Typing Link Mind Mapping Node Password Personal Information Save to Draft Trusted Contact
 Branching Databases 4 Lessons Sort objects using just YES/NO questions. Complete a branching database using 2Question. Create a branching database of the children's choice Year 3 Summer Simulations 3 Lessons	Binary Tree Branching Database Data Vocabulary Advantages	Database Debugging Modelling
 Find out what a simulation is and understand the purpose of simulations. Explore a simulation, making choices and discussing their effects. 	Analysis Decision	Point-Of-View Realistic

Work through and evaluate a more complex simulation	Disadvantages Evaluation	Simulation Solution Unrealistic
 Graphing 2 Lessons Enter data into a graph and answer questions. Investigate in order to answer a question. Present the results in graphic form 	Axis Chart Column Data Graph Investigation	Row Sorting Survey Tally Chart Title
 PowerPoints 6 Lessons Create a page in a presentation Add media to a presentation Add animations into a presentation Add timings into a presentation Design and present an effective presentation. 	Animation Audio Border Properties Duration Editing Fill colour Font Formatting Layer Media Presentation	Preview Review Slide Slideshow Sound Effect Textbox Theme Timing Transition Video

Year 4 Intent – aims and vocabulary

Year 4	Autumn	Vocabulary	
Online Safety 4 lessons		AdFly	Phishing
Understand how children can protect themselves from online identity theft.		Attachment	Plagiarism
	, , , , , , , , , , , , , , , , , , ,	Citation	Ransomware

 Understand that information put online leaves a digital footprint or trail and that this can aid identity theft. Identify the risks and benefits of installing software including apps Understand that copying the work of others and presenting it as their own is called 'plagiarism' and to consider the consequences of plagiarism. Identify appropriate behaviour when participating or contributing to collaborative online projects for learning. Identify the positive and negative influences of technology on health and the environment. Understand the importance of balancing game and screen time with other parts of their lives. 	Collaborative Database Cookies Copyright Data Analysis Digital Footprint Malware	Report SMART Rules Software Spam Virus Watermark
 Coding 6 lessons Review coding vocabulary and knowledge. Create a simple computer program. Begin to understand selection in computer programming. Understand how an IF statement works. Understand how to use coordinates in computer programming. Understand how an IF statement works Understand the Repeat until command. Begin to understand selection in computer programming. Understand how an IF/ELSE statement works. Understand what a variable is in programming. Use a number variable. Review vocabulary and concepts learnt in Year 4 Coding. Create a playable game. 	Action Alert Algorithm Background Button Code Blocks Command Co-ordinates Debug/Debugging Design Event Execute Flowchart 'If' Statement	Input Nest Object Prompt Implement Predict Repeat Repeat Until Run Properties Selection Sequence Timer Variable
 Spreadsheets 5 lessons Explore how the numbers entered into cells can be set to either currency or decimal. Explore the use of the display of decimal places. Find out how to add formulae to a cell. 	Average Budget Calculations Chart	Line Graph Percentage Place Value Random Number Tool

 Explore how tools can be combined to use 2Calculate to make number games. Explore the use of the timer, random number and spin button tools Use the line graphing tool in 2Calculate with appropriate data. Interpret a line graph to estimate values between data readings. Use the currency formatting tool in 2Calculate. Use 2Calculate to create a model of a real-life situation. Use the functions of allocating value to images in 2Calculate to make a resource to teach place value. 	Column Data Decimal Place Equals to Tool Format Cell Formula Formula Wizard	Resize Row Set Image Spinner Tool Timer Totals
Year 4 Spring	Vocabulary	
 Writing for different audiences 5 Lessons Explore how font size and style can affect the impact of a text. Use a simulated scenario to produce a news report. Use a simulated scenario to write for a community campaign. 	Campaign Format Font Genre	Opinion Reporter Viewpoint
Logo 4 Lessons Learn the structure of the language of 2Logo. Input simple instructions in 2Logo Use 2Logo to create letter shapes Use the Repeat command in 2Logo to create shapes. Use and build procedures in 2Logo.	Debugging Grid Logo Logo Commands Multi Line Mode Pen Down Pen Up	Prediction Procedure Repeat Run Speed SETPC SETPS

Animations 3 Lessons	Animation	Onion Skinning
Decide what makes a good, animated film or cartoon	FPS (Frame Per Second)	Pause
Discuss favourite animations.	Frame	Stop Motion
 Learn how animations are created by hand. 		
 Find out how 2Animate animations can be created in a similar way using technique. 	hnology.	
 Learn about onion skinning in animation. 		
 Add backgrounds and sounds to animations. 		
Introduce 'stop motion' animation.		
Share animation the class blog.		
Year 4 Summer	Vocabulary	
Effective Search 3 Lessons	Balanced View	Reliability
 Locate information on the search results page 	Easter Eggs	Results Page
Use search effectively to find out information	Internet	Search Engine
 Assess whether an information source is true and reliable. 	Key Words	
Hardware Investigation 2 Lessons	Components	Motherboard
Understand the different parts that make up a desktop computer.	CPU	Network Card
 Recall the different parts that make up a computer. 	Graphics Card	Output
	Hard Drive	Peripherals
	Hardware	RAM
	Input	Software
Making Music 4 Lessons	BPM	Pulse
• Identify and discuss the main elements of music: Pulse, Rhythm, Tempo, Pitch, Tex		Rhythm
 Understand and experiment with rhythm and tempo. 	Harmonious	Tempo
Create a melodic phrase	Melody	Texture
Compose a piece of electronic music.	Pitch	Synths
Artificial Intelligence 4 Lessons	Artificial Intelligence	Data
	Algorithm	
Understand the basic concept of artificial intelligence. I dentify model life assembles of artificial intelligence.		
Identify real-life examples of artificial intelligence. Recognise the impact of artificial intelligence in daily life.		
Recognise the impact of artificial intelligence in daily life.		

- Recap what is meant by the terminology artificial intelligence.
 Explore how artificial intelligence can assist and benefit us in various aspects of daily life
 Understand the potential applications and impact of AI in the future.
 Encourage critical thinking and creativity when thinking about the future of AI.
 Understand how artificial intelligence is being used to create music and art.

Use artificial intelligence to create music and art.

Year 5 Intent – aims and vocabulary

Year 5	Autumn	Vocabulary	
• G • Re • Re • Kr • U in • Be in • Le	Safety 4 lessons ain a greater understanding of the impact that sharing digital content can have. eview sources of support when using technology. eview children' responsibility to one another in their online behaviour. how how to maintain secure passwords. Inderstand the advantages, disadvantages, permissions, and purposes of altering an hage digitally and the reasons for this. It is aware of appropriate and inappropriate text, photographs and videos and the hapact of sharing these online. It is a surrously a surrously and the results of sources to heck validity and understand the impact of incorrect information. Insure reliability through using different methods of communication.	Appropriate Avatar Bibliography Citation Collaborate Communication Copyright Creative Commons Licence Critical Thinking Digital Footprint Encrypt Identity Theft Image Manipulation Malware	Ownership PEGI Ratings Phishing Password Personal Information Plagiarism Reference Reliability Responsibility Reliable Source Screenshot SMART Rules Spoof Validity

Coding 6 lessons	Abstraction	Output
Review existing coding knowledge.	Action	Physical System
Begin to be able to simplify code.	Algorithm	Predict
Create a playable game.	Command Concatenation	Print to Screen
 Understand what a simulation is. Program a simulation using 2Code. Know what decomposition and abstraction are in Computer Science. Take a real-life situation, decompose it and think about the level of abstraction. Use decomposition to make a plan of a real-life situation. Understand how to use friction in code. Begin to understand what a function is and how functions work in code. Understand what the different variable types are and how they are used differently. Understand how to create a string. Begin to explore text variables when coding. 	Co-ordinates Debug/Debugging Decomposition Efficient Event Flowchart Friction Function Input Nest	Properties Random Repeat Selection Sequence Simplify Simulation String Tabs Timer Variable
Understand what concatenation is and how it works.	Object	Variable
 Use formulae within a spreadsheet to convert measurements of length and distance. Use the count tool to answer hypotheses about common letters in use. Use a spreadsheet to model a real-life problem. Use formulae to calculate area and perimeter of shapes. Create formulae that use text variables Use a spreadsheet to help plan a school cake sale. 	Advance Mode Area Budget Columns Computational Model Data Format Cell Formula Formula Bar	Formula Wizard 'How Many?' Too Perimeter Profit Rows Spreadsheet Totalling Tool Variable
Year 5 Spring	Vocabulary	

Databas	es 4 Lessons	Arrange	Database
• Lea	arn how to search for information in a database.	Avatar	Database Report
 Co 	ntribute to a class database.	Chart	Field
• Cre	eate a database around a chosen topic.	Collaborative	Group
		Data	
Game Cı	reator 5 Lessons	Evaluation	Quest
• Int	roduce the 2DIY 3D tool.	Feedback	Scene
 Be 	gin planning a game.	Image	Screenshot
• De	sign the game environment.	Instructions	Texture
• De	sign the game quest to make it a playable game.	Promotion	Theme
• Fir	nish and share the game.		
• Se	lf - and peer - evaluate.		
3D Modelling 4 Lessons		2D	Net
• Be	introduced to the 2Design and Make tool.	3D	Pattern Fill
	plore the effect of moving points when designing.	3D Printing	Points
	esign a 3D model to fit certain criteria.	CAD – Computer Aided Design	
	fine and print a model.	Design Brief	Template
Year 5	Summer	Vocabulary	
Concept	Maps 4 Lessons	Concept	Sub-Heading
• Un	derstand the need for visual representation when generating and discussing complex	Concept Map	Node
	eas.	Connection	Presentation Mode
• Un	derstand the uses of a 'concept map'.	Collaborate	Story Mode
• Un	derstand and use the correct vocabulary when creating a concept map.	Heading	
• Cre	eate a concept map.		
• Cre	eate a collaborative concept map and present this to an audience.		

Word Processing 8 Lessons	Attributing	Image Editing
Know what a word processing tool is for.	Bulleted Lists	Image Transparency
Add and edit images to a word document.	Breaks	Merge Cells
Know how to use word wrap with images and text.	Caps Lock	Numbered Lists
Change the look of text within a document.	Captions	Page Orientation
 Add features to a document to enhance its look and usability. 	Column (table)	Readability
 Use tables within MS Word to present information 	Columns (newspaper)	Row
Introduce children to templates.	Copy and Paste	Selecting/Highlighting
 Consider page layout including heading and columns. 	Copyright	Sharing
	Creative Commons	Spell Check
	Cropping	Styles
	Cursor	Template
	Distributing Columns	Text Box
	Document	Text Formatting
	Drop Capitals	Text Wrapping
	Editor Options	Word Art
	Font	Word Processing Too
	Front Screen	Zoom
	Grammar Check	
	Hyperlink	
Jsing External Devices – Purple Chip 6 Lessons	Alert	Host
Understand what Purple Chip is.	Algorithm	If/Else
Upload a program to an external device.	Chip Show Text	Input
Adapt a program and operate it using Purple Chip	Code View	Output
 Understand how a device can be programmed to be used as a game controller. 	Debug	Print to Screen
 Explore the text functions available and appraise their uses. 	Design	QR Code
 Create a simple quiz program that can be answered using an external device. 	Design View	Sensor
• Create a program in which an external device can be used to monitor real world conditions.	Emulator/Simulator	URL
Design a program for the Purple Chip	Event	Variable
 Code, test, debug and share a program for the Purple Chip 	External Device	Design

Function

Year 6
Intent – aims and vocabulary

Year 6 Autumn	Vocabulary	
 Online Safety 3 lessons Identify benefits and risks of mobile devices broadcasting the location user/device, e.g., apps accessing location. Identify secure sites by looking for privacy seals of approval, e.g., https, padl Identify the benefits and risks of giving personal information and device a different software. Review the meaning of a digital footprint and understand how and why per their information and online presence to create a virtual image of themse user. Have a clear idea of appropriate online behaviour and how this can themselves and others from possible online dangers, bullying and inappedenaviour. Begin to understand how information online can persist and give away details who share or modify it Understand the importance of balancing game and screen time with other their lives, e.g., explore the reasons why they may be tempted to spend me playing games or find it difficult to stop playing and the effect this has on the lidentify the positive and negative influences of technology on health environment. 	Inappropriate Location Sharing Password PEGI Rating eople use elves as a n protect propriate ds of those r parts of nore time eir health.	Phishing Print Screen Screen Time Secure Websites Spoof

Coding 6 lessons	Action	Output
 Design a playable game with a timer and a score. Plan and use selection and variables. Understand how the launch command works Use functions and understand why they are useful. Understand how functions are created and called. Use flowcharts to test and debug a program. Create a simulation of a room in which devices can be controlled. Understand the different options of generating user input in 2Code. Understand how user input can be used in a program. Understand how 2Code can be used to make a text-based adventure game. 	Algorithm Command Concatenation Co-ordinates Debug/Debugging Decomposition Event Execute/Run Flowchart Function Input Launch Command Object X and y properties	Predict Procedure Properties Repeat Repeat Until Selection Sequence Simulation String Tabs Text Object Timer Turtle Object Variable
 Use a spreadsheet to investigate the probability of the results of throwing many dice. Use a spreadsheet to calculate the discount and final prices in a sale. Create a formula to help work out the prices of items in the sale. Use a spreadsheet to plan how to spend pocket money and the effect of saving money. Use a spreadsheet to plan a school charity day to maximise the money donated to charity 	Advanced Mode Budget Chart Columns Count(How Many?) Tool Data Dice Tool Expense Format Cell	Formula Formula Bar Formula Wizard Move Cell Tool Percentage Profit Rows Spreadsheet
Year 6 Spring	Vocabulary	

Blogging 4 Lessons	Approval	Commenting
 Identify the purpose of writing a blog. 	Archive	Connections
 Identify the features of successful blog writing 	Blog	Nodes
 Plan the theme and content for a blog. 	Blog Post	Vlog
 Understand how to write a blog and a blog post. 	Collaborate	
 Consider the effect upon the audience of changing the visual properties of the blog. 		
 Understand how to contribute to an existing blog. 		
 Understand the importance of commenting on blogs. 		
 Peer-assess blogs against the agreed success criteria. 		
 Understand how and why blog posts and comments are approved by the teacher. 		
Text Adventures 4 Lessons	Debug/Debugging	Selection
Find out what a text-based adventure game is	Flow of Control	Sprite
Explore an example made in 2Create a Story.	Function	Step Through
Use 2Connect to plan a 'Choose your own Adventure' type story.	Link	Text Adventure
 Use 2Connect plans for a story adventure to make the adventure using 2Create a Story. 	QR Code	Variables
 Read and understand given code for a text adventure game. 	Repeat	
Debug a text adventure.		
 Design and implement improvements to a text adventure game. 		
Networks 3 Lessons	Data	Router
 Discover what the children know about the Internet. 	DNS (Domain Name Server)	Search Engine
Find out what a LAN and WAN are.	Ethernet WAN	I (Wide Area Network)
Find out how we access the internet in school.	Hosting	Web Page
Research and find out about the age of the internet.	Hub/Switch	Web Server
Think about what the future might hold.	Internet	Website
• Think about what the future might hold.	IP Address WLAN (Wireles	ss Local Area Network)
	ISP (Internet Service Provide	er) Wi-Fi
	LAN (Local Area Network)	, World Wide Web
	Network	
Year 6 Summer	Vocabulary	

Quizzing 6 Lessons	Audience	Database Field
Create a picture-based quiz for young children.	Audio	Image
Use the question types within 2Quiz.	Case-Sensitive	Image Filter
Explore the grammar quizzes	Clipart	Selfie
 Make a quiz that requires the player to search a database. 	Clone	Statistics
Make a quiz to test your teachers or parents.	Cloze	Undo/Redo
	Copy/Paste	Preview
	Database	Quiz
	Database Record	
Understanding Binary 4 Lessons	Binary	Integer
 Examine how whole numbers are used as the basis for representing all types of data in digital 	Bit	Kilobyte
systems.	Byte	Megabyte
Recognise that digital systems represent all types of data using number codes that ultimately	Decimal	Microprocessor
are patterns of 1s and 0s (called binary digits, which is why they are called digital systems).	Denary	Nanotechnology
• Understand that binary represents numbers using 1s and 0s and these represent the on and	Digit	Nibble
off electrical states respectively in hardware and robotics.	Game States	Switch
 Recognise that the numbers 0, 1, 2 and 3 could be represented by the patterns of two binary 	Gigabyte	Terabyte
digits of 00, 01, 10 and 11		Transistor
 Represent whole numbers in binary, for example counting in binary from zero to 15, or writing a friend's age in binary 		Variable
• Explore how division by two can be used as a technique to determine the binary		
representation of any whole number by collecting remainder terms.		
 Represent the state of an object in a game as active or inactive using the respective binary 		
values of 1 or 0.		
Spreadsheets (with Microsoft Excel) 8 Lessons	Auto Fit	Formula
 know what a spreadsheet looks like. 	Average	Formula Bar
Navigate and enter data into cells.	Budget	Graph
 Introduce some basic data formulae in Excel. 	Calculation	Horizontal Axis
 Demonstrate how the use of Excel can save time and effort when performing calculations 	Categories Ribbon	Maximum
 Use a spreadsheet to model a situation. 	Cell	Minimum
 Demonstrate how Excel can make complex data clear by manipulating the way it is presented. 	Cell Reference	Profit

Use formulae for percentages, averages, max and min in spreadsheets.	Chart	Range
Create a variety of graphs in Excel.	Column	Row
Use a spreadsheet to model a real-life situation	Computational Model	Series
Apply spreadsheet skills to solving problems	Conditional Formatting	Sheet
	Currency	Sorting
	Data	Spreadsheet
	Delimiter	Template
	Expense	Text Wrapping
	Filter	Vertical Axis
	Flash-fill	Workbook
	Formatting	