

Computing Vocabulary & Key Knowledge

Understanding of the World

KEY	
All	Refers to adaptation made for SEND pupils (where appropriate)
Most	Refers to all other pupils
Some	Refers to stretch and challenge for more able pupils

EYFS	Autumn	Spring	Summer
Projects	Communication/ Literacy	Understanding the Natural World/PSED	Mathematics/Physical Development/Expressive Arts
Key Vocab	Stories Images Pins Sounds Talk Imagine	Characters Talk Story book Fairy tale	Pattern Number Slowest Fastest
Knowledge	<p>All</p> <ul style="list-style-type: none"> To be able to comment on what they have heard and ask questions to clarify their understanding. <p>Most</p> <ul style="list-style-type: none"> Engaged in conversation with their teacher. <p>Some</p> <ul style="list-style-type: none"> To anticipate- where appropriate- key events in stories. 		

Year 1	Online Safety/ Grouping and Safety/ Pictograms	Lego builders/Spreadsheets/Maze Explorers/Technology Outside of School	Animated Storybooks/ Coding
All	Alert Avatar Login Log out Groups Sort Collect data Title	Computer Instructions Button Delete Image Direction Computer	Copy Background Text Algorithm Click
Most	Button Password Typing Pictogram Compare	Recipe Sequence Route Code Spreadsheet Cell Row Column Algorithm Undo Technology	Edit Save Coding

Some	Search Private Textbox	Describe	Totals	Debugging Program	Value Calculation	Command Undo	Sound Font Sound effect	Code blocks Actions Object Command
Key Knowledge	<p>All</p> <ul style="list-style-type: none"> To be able to log in safely and know why it is important. To create an avatar. <p>Most</p> <ul style="list-style-type: none"> To be able to create a picture and add their name to it. <p>Some</p> <ul style="list-style-type: none"> To be able to save their own work on Purple mash. 			<p>All</p> <ul style="list-style-type: none"> To know the importance of following an instruction. To use direction keys to complete a challenge. <p>Most</p> <ul style="list-style-type: none"> To know that an algorithm is a precise step-by-step set of instructions used to achieve an objective or solve a problem. To explain what rows and columns are. <p>Some</p> <ul style="list-style-type: none"> To be able to identify where technology is used in the local community. 			<p>All</p> <ul style="list-style-type: none"> To understand the differences between traditional books and e-books. To explore the tools of 2Create. <p>Most</p> <ul style="list-style-type: none"> To use and explain the purpose of the tools on 2Create. 	

Year 2	Online Safety/ Effective Searching/Coding			Spreadsheets/Making Music/Questioning			Creating Pictures/Presenting Ideas	
All	Sharing Internet	Device	Algorithm Background	Price Total	Repeat Volume	Avatar Question	Art Line	Mind map Fiction Non Fiction
Most	Email Reply Internet	Network	Command Button	Copy Paste	Tempo Beat	Pictogram Information	Repeating pattern Symmetry	E-Book Fact file
Some	Protection Identifying	Web Page Website	Event	Table Column Row	Compose	Database	Diagonal Clip art Rotated	Node
Key Knowledge	<p>All</p> <ul style="list-style-type: none"> To understand what an algorithm is. To know how to use a search tool. <p>Most</p> <ul style="list-style-type: none"> To create a computer program using an algorithm. <p>Some</p> <ul style="list-style-type: none"> To understand the terminology associated with searching and the Internet. 			<p>All</p> <ul style="list-style-type: none"> To use some 2Calculate tools (that were introduced in Year 1). <p>Most</p> <ul style="list-style-type: none"> To explore, edit and combine sounds using 2Sequence. <p>Some</p> <ul style="list-style-type: none"> To analyse and interpret information presented within a pictogram. 			<p>All</p> <ul style="list-style-type: none"> To explore 2Paint a Picture. <p>Most</p> <ul style="list-style-type: none"> To explore how a story can be presented in different ways. 	

Year 3	Online Safety/Spreadsheets/Coding	Touch typing/Graphing/Email	Branching Databases/Simulations/Presenting
All	Website Less than More than	Algorithm Button Code	Typing Keys Title Chart Password Inbox
Most	Password Internet Advanced Mode Table	Command Interval	Spacebar Data Survey Row Column Compose Save to draft
Some	Appropriate Inappropriate Action Personal Information Pie chart Bar graph Alert	Posture Tally chart Axis	Address book Binary tree Analysis Wordart Presentation design Font formatting
Key Knowledge	<p>All</p> <ul style="list-style-type: none"> To understand how a flow chart works on a computer. To know what makes a password safe. <p>Most</p> <ul style="list-style-type: none"> To understand how to use the repeat command. <p>Some</p> <ul style="list-style-type: none"> To be able to use the right type of timer for the purpose. To be able to create an interactive scene. To describe cells using their addresses. 	<p>All</p> <ul style="list-style-type: none"> To understand basic typing terminology. To learn how to use email safely. <p>Most</p> <ul style="list-style-type: none"> To open and respond to an email. To enter data into a spreadsheet correctly. <p>Some</p> <ul style="list-style-type: none"> To add an attachment to an email. To solve an investigation and present the findings in a graph. 	<p>All</p> <ul style="list-style-type: none"> To be able to sort objects using yes/no questions. <p>Most</p> <ul style="list-style-type: none"> To know what a simulation is. To create a page in a presentation. <p>Some</p> <ul style="list-style-type: none"> To create a branching database of children's choice. To evaluate a simulation. To add media to a presentation.

Year 4	Online Safety/Coding	Spreadsheets/Writing for Different Audiences/Animation	Effective Searching/Logo/Hardware Investigators/Making Music
All	Copyright Algorithm Background Button	Chart Data Row Column Font Viewpoint Pause Stop motion	Key words Logo Tempo
Most	Software Spam Command Statements	Formula Wizard Format cell Genre Frame	Results page Reliability Logo commands Melody Pitch
Some	Attachment Plagiarism Event Design Flowchart	Equals tool Reporter Animation	Search Engine Repeat Run speed Hardware Software

Key Knowledge	All	<ul style="list-style-type: none"> To understand how to protect themselves from identity theft online. 	All	<ul style="list-style-type: none"> To add backgrounds and sounds to animation. 	All	<ul style="list-style-type: none"> To locate information on the search results page. To experiment with rhythm and tempo.
	Most	<ul style="list-style-type: none"> To understand that copying work of others is referred to as plagiarism. To understand the importance of balancing screen game/time with other parts of their lives. 	Most	<ul style="list-style-type: none"> To explore how the numbers entered into cells can be set to either currency, decimal or fraction. To use a simulated scenario to produce a news report. 	Most	<ul style="list-style-type: none"> To input simple instructions into 2Logo. To understand the different parts that make up a desktop computer.
	Some	<ul style="list-style-type: none"> To understand the risks and benefits of installing software and apps. To understand the repeat until command. 	Some	<ul style="list-style-type: none"> To use the line graphing tool in 2Calculate with appropriate data. 	Some	<ul style="list-style-type: none"> To assess whether an information source is reliable or not. To use the repeat command in 2Logo to create shapes.

Year 5	Online Safety/Coding		Spreadsheets/Word Processing		3D Modelling/Game Creator	
All	Avatar	Algorithm Flowchart	Column Row	Caps lock	2D	Image
Most	Appropriate Copyright	Debugging Function	Format cell Data	Copyright Document Font	3D Template	Theme Feedback Scene
Some	Malware	Nest Decomposition Properties	Variable Formula	Cropping Text Wrapping	3D Printing Points	Quest Screen shot
Key Knowledge	All	<ul style="list-style-type: none"> To identify risks and benefits of broadcasting the location of the device/user. To have a clear understanding of appropriate online behaviour and how to protect themselves. 	All	<ul style="list-style-type: none"> To be able to use the count tool within a spreadsheet. To know what a word processing tool is for. 	All	<ul style="list-style-type: none"> To be able to plan a simple game. To explore the effect of moving points when designing.
	Most	<ul style="list-style-type: none"> To identify the positive and negative influences of technology on health and the environment. To understand how to launch command works. 	Most	<ul style="list-style-type: none"> To use formulae in a spreadsheet to convert measurements of length and distance. To know how to edit images and use word wrap with images and text. 	Most	<ul style="list-style-type: none"> To refine and print a model. To design a game environment. To design a 3D model to fit specific criteria.
	Some	<ul style="list-style-type: none"> To use flowcharts to test and debug a program. To understand how user input can be used in a program. 	Some	<ul style="list-style-type: none"> To add and edit images within a word document. To use a spreadsheet to model a real-life problem and help plan a school cake sale. 	Some	<ul style="list-style-type: none"> To be able to share their game on the electronic display board and peer and self-evaluate one another's.

Year 6	Online Safety/Networks/Coding	Spreadsheets/Text Adventures	Coding/Blogging
All	Digital footprint Password Inappropriate	Wi-Fi Algorithm Command	Budget Repeat Debug/Debugging Function Blog
Most	Spoof World Wide Web Web page Website	Flowchart Object	Percentage Data Link Function Coordinates Input Output Nodes Connections
Some	Location sharing	Execute/Run Properties	Spreadsheet Formula Wizard Variables Selection Value Procedure Vlog Archive
Key Knowledge	<p>All</p> <ul style="list-style-type: none"> To identify secure sites looking for seal of approval e.g https, padlock icon. To have a clear understanding of correct online behaviours and how they can protect themselves from possible online dangers e.g bullying, inappropriate use of personal information. <p>Most</p> <ul style="list-style-type: none"> To find out in detail how we access the internet in school. To research and find out about the age of the internet. <p>Some</p> <ul style="list-style-type: none"> To understand how the launch command works. To use functions and understand why they are useful. 	<p>All</p> <ul style="list-style-type: none"> To use a spreadsheet to investigate probability. To use 2Connect to plan a 'Choose your own Adventure' type story. <p>Most</p> <ul style="list-style-type: none"> To use plans to create a detailed code-based adventure game. <p>Some</p> <ul style="list-style-type: none"> To use a spreadsheet to calculate the discount and final price in a sale. 	<p>All</p> <ul style="list-style-type: none"> To identify the purpose and features of writing a blog. To understand why blog posts and comments are approved by a teacher. <p>Most</p> <ul style="list-style-type: none"> To understand how to edit an existing blog. <p>Some</p> <ul style="list-style-type: none"> To peer and self-assess blogs against success criteria.