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	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	Online Safety	Online Safety	Online Safety	Online Safety	Online Safety	Online Safety
Reception	<p>Operate simple equipment.</p> <p>Shows an interest in toys with knobs or pulleys, or real objects.</p> <p>Shows skill in making toys work by pressing parts or lifting flaps to achieve effects.</p>	<p>Knows that information can be retrieved from computers</p> <p>Uses ICT hardware to interact with age-appropriate computer software.</p>	<p>Uses ICT hardware to interact with age-appropriate computer software.</p> <p>Complete a simple program on a computer</p>	<p>Recognise that a range of technology is used in places such as homes and schools.</p> <p>Can program a toy to move from place to place</p>	<p>Recognise that a range of technology is used in places such as homes and schools.</p> <p>Select and use technology for particular purposes.</p> <p>Find out about and uses a range of technology</p>	<p>Selects appropriate applications that support an identified need.</p> <p>Find out about and uses a range of technology.</p>

<u>KS1</u>	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1	Digital Literacy Online Safety focus: Going Places Safely 	Digital Literacy Online Safety focus: My creative work  	Digital Literacy Online Safety focus: Keeping it private 	Digital Literacy Online Safety focus: Digi Duck  	Digital Literacy Online Safety focus: Sending email 	Digital Literacy Online Safety focus: A-B-C Searching 
Computer science units and Information technology units linked to topic or pathways text	1. Computing basics – introduction to a computer	2. TUX paint – to paint a picture/illustration of a book	3. Beebots Linked to mapwork around our school, local area Talke.	4. Photo Editing Linked to School grounds	5. 2create a story Linked to topic	6. Kodable basics
Year 2	Digital Literacy Online Safety focus: Staying safe online 	Digital Literacy Online Safety focus: Screen out the mean: What is cyberbullying? 	Digital Literacy Online Safety focus: Digital trails 	Digital Literacy Online Safety focus: Using keywords 	Digital Literacy Online Safety focus: Staying safe online 	Digital Literacy Online Safety focus: Sites I like – good and not so good information 
Computer science units and Information technology units linked to topic or pathways text	1. Internet research Linked to topic – Space and Significant People	2. Kodable for beginners	3. Art package 'Paint' Focus on Mondrian and primary colours and shapes Linked to topic	4. Beebots – Algorithms -routes and direction Linked to topic explorers	5. Slideshows: combining pictures and text to present Linked to pathways text – The Last Wolf	6. Scratch for beginners. Coding basics

LKS2	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 3	Digital Literacy Online Safety focus:  Powerful passwords	Digital Literacy Online Safety focus:  My Online community	Digital Literacy Online Safety focus:  Things for sale	Digital Literacy Online Safety focus:  Show respect online	Digital Literacy Online Safety focus:  Show respect online	Digital Literacy Online Safety focus:  Writing good emails
Computer science units and Information technology units linked to topic or pathways text	1. Understand computer networks how can the internet help us?	1. Fact file Microsoft word Linked to the rainforest	3. Spark Adobe Campaigns /discussion linked to Stone Age	4. Scratch Coding, design, write and debug Pathways text	5. ROBOTS Algorithms – routes and directions Investigating different continents/routes	6. PowerPoint Ancient Egyptian link
Year 4	Digital Literacy Online Safety focus: Rings of Responsibility  	Digital Literacy Online Safety focus: Private and Personal Information  	Digital Literacy Online Safety focus: The Power of Words  	Digital Literacy Online Safety focus: The Key to Keywords 	Digital Literacy Online Safety focus: Whose is it, Anyway?  	Digital Literacy Online Safety focus: The Power of Words  
Computer science units and Information technology units linked to topic or pathways text	1. Animation linked to pathways text Counting on Catherine	2. Word processing skills Linked to topic of Ancient Greece and the Olympic Games	3. Publisher information leaflet Internet Research – linked to topic Mediterranean	4. ADVANCED ROBOTS- Algorithms – routes and directions linked to topic Mediterranean	5. E-mails send and receive e-mails – local area study/ contacts	6. Scratch Quiz linked to topic local area study

UKS2	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 5	Digital Literacy Online Safety focus: Strong Passwords 	Digital Literacy Online Safety focus: How to Cite a Site 	Digital Literacy Online Safety focus: Digital Citizenship Pledge 	Digital Literacy Online Safety focus: You've Won a Prize  	Digital Literacy Online Safety focus: Picture Perfect   	Digital Literacy Online Safety focus: Digital Citizenship  
Computer science units and Information technology units linked to topic or pathways text	1 Scratch -create a game to avoid the Viking warrior. Vikings https://www.barefootcomputing.org/resources/viking-raid-animation	2 Google Sites /Research Create a Website about a specific area of the Vikings. Vikings	3 Hour of code Focusing on more complex algorithms/debugging/repetition and loops.	4 Movie Maker Write a song about the water cycle, make a video. Rivers	5 Lego Education Text link: The Darkest Dark (link with Science topic Space) https://www.barefootcomputing.org/resources/investigating-outputs	6 PowerPoint Creating a presentation, pictures, inserting links, transitions. Maya
Year 6	Digital Literacy Online Safety focus: Talking safely online  	Digital Literacy Online Safety focus: Super digital citizen  	Digital Literacy Online Safety focus: Privacy rules 	Digital Literacy Online Safety focus: What's Cyberbullying?  	Digital Literacy Online Safety focus: Selling stereotypes  	Digital Literacy Online Safety focus: Scams and Schemes (Year 7-transition) 
Computer science units and Information technology units linked to topic or pathways text	1 Excel Spreadsheets Linked to World War 2 data	2 Code Cracking (Barefoot) Linked to World War 2 (Alan Turing)	3 Creating Media Webpage creation (Teach Computing) Introduction to HTML (Barefoot) Linked to Extreme Earth –	4 Lego we do kits – IT lending library Linked to Extreme Earth (disaster rescue vehicles)	5 Create own WIKI Link to Pathways (life of Jacques Cousteau)	6 Python/ Tynker/ Block coding into text coding