	Autumn – Computer Systems and Networks or Data and Information	Spring – Creating Media	Summer -Programming
Reception	I can recognise some technology in school. I know how to operate simple equipment in classroom. I know that a computer has a mouse and a keyboard and I am able to recognise them. I am beginning to use a mouse to manipulate a program. I am beginning to use a keyboard. I understand keys represent letters and numbers. I understand that a tablet is different to a computer in some ways. I know we can use technology to find out information as a class. Online safety to be taught in each lesson	I can explore a paint program to create a picture. (Jit5) I can use the mouse to select colours or shapes. To use the mouse to explore the text button. To begin to touch type. To independently listen to digital audio. Online safety to be taught in each lesson	I can give directions for a friend or using the small world, using directional language (Maths and CLL link). I can follow a direction. I can explore (tinker) on jit5 2code software and beebots, using directional language. Online safety to be taught in each lesson
Year 1	**Computer systems and networks:** Technology around us L1, L2 – Technology in the classroom and using technology NC links: 1.4, 1.5, 1.6 IT around us L1, L2, L3, L4 – What is IT? IT in schools, IT in the world and the benefits of IT NC links: 1.4, 1.5,	Digital painting NC links: 1.4 Online safety to be taught in each lesson: 1.6	Moving a robot NC links: 1.1, 1.2, 1.3, 1.5

	Online safety to be taught in each lesson: 1.6		
Year 2	**Data and information:** Pictograms NC links: 1.4 Online safety to be taught in each lesson: 1.6	Digital writing & digital photography NC links: 1.4, 1.6 NC links :1.4, 1.5, 1.6 Online safety to be taught in each lesson: 1.6	Robot algorithms NC links: 1.1, 1.2, 1.3, 1.4
Year 3	**Computer systems and networks:** Connecting computers L1, L2 and L3 – How does a digital device work? What parts make up a digital device? How do digital devices help us? NC links: 2.2, 2.4, 2.6 The Internet L1, L2, L3 – Connecting networks, what is the internet made of? Sharing information NC links: 2.4, 2.5, 2.6, 2.7 Online safety to be taught in each lesson	Desktop publishing NC links: 2.5, 2.6 Online safety to be taught in each lesson	Sequencing sounds NC links: 2.1, 2.2, 2.3, 2.6 Online safety to be taught in each lesson
Year 4	**Data and information:** Branching databases NC links: 2.6 Online safety to be taught in each lesson	Audio production NC links: 2.5, 2.6, 2.7 Online safety to be taught in each lesson	Repetition in shape NC links: 2.1, 2.2, 2.3, 2.6 Online safety to be taught in each lesson
Year 5	**Computer systems and networks:** Systems and searching (sharing information) L3, L4, L5, L6 How to use a search engine, describe how search engines select	Introduction to vector graphics NC links: 2.6 Online safety to be taught in each lesson	Selection in quizzes NC links: 2.1, 2.2, 2.3, 2.6 Online safety to be taught in each lesson

	results, explain how search results are ranked, recognise why the order of results is important NC links: 2.1, 2.2, 2.4, 2.6 Communication and collaboration (internet communication) L1, L2 – Explain the importance of internet addresses Padlet lesson – collaboration using Padlet linked to curriculum concepts NC links: 2.4, 2.6, 2.7 Online safety to be taught in each lesson		
Year 6	**Data and information:** Introduction to spreadsheets NC links: 2.6	Web page creation NC links: 2.5, 2.6, 2.7	Sensing movement NC links: 2.1, 2.2, 2.3, 2.6