COMPUTING MEDIUM TERM PLANNING   2023-24 Karen Armstrong Mainly based on Y1-6 NCCE Teach Computing Scheme

Term 1:1							
	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	T1.2 Week 1
FS2 What are Computers? We control technology							
L.O.'s	ELG 04 Moving and handling: children show good control and co-ordination in large and small movements. They move confidently in a range of ways, safely negotiating space. They handle equipment and tools effectively, including pencils for writing. ELG 15 Technology: children recognise that a range of technology is used in places such as homes and schools. They select and use technology for particular purposes.						
	Pupil Acceptable Use Agreement for EYFS/KS1	*Name parts of a computer Use a mouse and keyboard to interact with age appropriate computer software.*					
Lesson	*I understand when and how I can safely use technology in school.* **Pupil Acceptable Use Agreement: explain and sign contract**	*I can name the monitor, hard-drive and mouse.* *I can use the mouse to draw lines.* **2Draw**	*I can name the monitor, hard-drive and mouse.* *I can use the mouse to draw lines.* **2Draw**	*I can name the monitor, hard-drive and mouse.* *I can use the mouse to click on areas to fill with colour.* **2Draw/colouring on internet**	*I can name the monitor, hard-drive and mouse.* *I can use the mouse to click on areas to fill with colour.* **2Draw/colouring on internet**	*I can name the monitor, hard-drive and mouse.* *I can use the mouse to select items on screen.* **TES iBoard Maths City**	*I can name the monitor, hard-drive and mouse.* *I can use the mouse to select items on screen.* **TES iBoard/game Maths City**
Year 1 Technology around us	Week 3	Week 4	Week 5	Week 6	Week 7	T1.2 Week 1	
L.O.'s	*Pupil Acceptable Use Agreement for EYFS/KS1*	In this unit, learners will develop their understanding of technology and how it can help us. They will start to become familiar with the different components of a computer by developing their keyboard and mouse skills. Learners will also consider how to use technology responsibly					
	I understand when and how I can safely use technology in school. **Pupil Acceptable Use Agreement: explain and sign contract**	Technology around us: *To identify technology*	Using technology: *To identify a computer and its main parts*	Developing mouse skills *To use a mouse in different ways*	Using a computer keyboard *To use a keyboard to type*	Developing keyboard skills *To use the keyboard to edit text*	Using a computer responsibly *To create rules for using technology responsibly*
Year 2 Information Technology around us	Week 3	Week 4	Week 5	Week 6	Week 7	T1.2 Week 1	
L.O.'s	*Pupil Acceptable Use Agreement for EYFS/KS1*	Learners will develop their understanding of what information technology (IT) is and will begin to identify examples. They will discuss where they have seen IT in school and beyond, in settings such as shops, hospitals, and libraries. Learners will then investigate how IT improves our world, and they will learn about the importance of using IT responsibly.					
Lesson	*I understand when and how I can safely use technology in school.* **Pupil Acceptable Use Agreement: explain and sign contract**	What is information technology? *To recognise the uses and features of information technology*	IT in school *To identify the uses of information technology in the school*	IT in the world *To identify information technology beyond school*	The benefits of IT *To explain how information technology helps us*	Using IT safely *To explain how to use information technology safely*	Using IT in different ways *To recognise that choices are made when using information technology*

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Year 3 Connecting Computers		Week 3	Week 4	Week 5	Week 6	Week 7	T1.2 Week 1
L.O.'s	*Understand my responsibilities when using school technology and school rules about personal tech and use.*	During this unit, learners develop their understanding of digital devices, with an initial focus on inputs, processes, and outputs. They also compare digital and non-digital devices. Following this, learners are introduced to computer networks, including devices that make up a network's infrastructure, such as wireless access points and switches. The unit concludes with learners discovering the benefits of connecting devices in a network					
Lesson	**Pupil Acceptable Use Agreement: explain and sign contract**	How does a digital device work? *To explain how digital devices function*	What parts make up a digital device? *To identify input and output devices*	How do digital devices help us? *To recognise how digital devices can change the way we work*	How am I connected? *To explain how a computer network can be used to share information*	How are computers connected? *To explore how digital devices can be connected*	What does our school network look like? *To recognise the physical components of a network*

Year 4 The Internet		Week 3	Week 4	Week 5	Week 6	Week 7	T1.2 Week 1
L.O.'s	*Understand my responsibilities when using school technology and school rules about personal tech and use.*	During this unit learners will apply their knowledge and understanding of networks, to appreciate the internet as a network of networks which need to be kept secure. They will learn that the World Wide Web is part of the internet, and be given opportunities to explore the World Wide Web for themselves to learn about who owns content and what they can access, add, and create. Finally they will evaluate online content to decide how honest, accurate, or reliable it is, and understand the consequences of false information					
Lesson	**Pupil Acceptable Use Agreement: explain and sign contract**	Connecting networks *To describe how networks physically connect to other networks*	What is the internet made of? *To recognise how networked devices make up the internet*	**Peat Cutting Monday**	Sharing information *To outline how websites can be shared via the World Wide Web*	What is a website *To describe how content can be added and accessed on the World Wide Web*	Who owns the web? *To recognise how the content of the WWW is created by people*

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Year 5 Sharing information		Week 3	Week 4	Week 5	Week 6	Week 7	T1.2 Week 1
L.O.'s	*Understand my responsibilities when using school technology and school rules about personal tech and use.*	In this unit, learners will develop their understanding of computer systems and how information is transferred between systems and devices. Learners will consider small-scale systems as well as large-scale systems. They will explain the input, output, and process aspects of a variety of different real-world systems. Learners will also take part in a collaborative online project with other class members and develop their skills in working together online.					
Lesson	**Pupil Acceptable Use Agreement: explain and sign contract**	Systems *To explain that computers can be connected together to form systems*	Computer systems and us *To recognise the role of computer systems in our lives*	Transferring information *To recognise how information is transferred over the internet*	Working together *To explain how sharing information online lets people in different places work together*	Better working together *To contribute to a shared project online*	Shared working *To evaluate different ways of working together online*

Year 6 Communication		Week 3	Week 4	Week 5	Week 6	Week 7	T1.2 Week 1
L.O.'s	*Understand my responsibilities when using school technology and school rules about personal tech and use.*	In this unit, the class will learn about the World Wide Web as a communication tool. First, they will learn how we find information on the World Wide Web, through learning how search engines work (including how they select and rank results) and what influences searching, and through comparing different search engines. They will then investigate different methods of communication, before focusing on internet-based communication. Finally, they will evaluate which methods of internet communication to use for particular purposes.					
Lesson	**Pupil Acceptable Use Agreement: explain and sign contract**	Searching the web *To identify how to use a search engine*	Selecting search results *To describe how search engines select results*	How search results are ranked *To explain how search results are ranked*	How are searches influenced? *To recognise why the order of results is important, and to whom*	How we communicate *To recognise how we communicate using technology*	Communicating responsibly *To evaluate different methods of online communication*