Computing 22-23

Year 2 – Computing systems and networks- IT around us

Remember when: Computer systems and network- technology around us	Key vocabulary
By the end of the unit children must be able to: - I can identify examples of computers - I can find examples of IT in school and sort school IT by what it's used for -I can talk about uses of information technology -I can demonstrate how IT devices work together -I can say how rules can help keep me safe	Information technology (IT), computer barcode, scanner/scan

Prior learning in Year 1:
I can explain technology as something that helps us
I can locate examples of technology in the classroom
I can name the main parts of a computer
I know what a keyboard is and I can type my name on a computer
I can identify rules to keep us safe and healthy when we are using technology in and beyond the home

National curriculum:
●   Use technology purposefully to create, organise, store, manipulate, and retrieve digital content
●   Recognise common uses of information technology beyond school
●   Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies
Education for a Connected World links Health, well-being, and lifestyle
●   I can identify rules that help keep us safe and healthy in and beyond the home when using technology
●   I can give some simple examples

Software/ Overview

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.

	Title / Focus	Lesson outline
Lesson 1 What is IT? LO- To recognise the uses and features of information technology SK- I can identify examples of computers		Learners will develop their understanding of what information technology (IT) is. They will identify devices that are computers and consider how IT can help them both at school and beyond.
Lesson 2 IT in school LO- To identify the uses of information technology in the school SK- I can find examples of IT in school and sort school IT by what it's used for		Learners will consider common uses of information technology in a context that they are familiar with. They will identify examples of IT and be able to explain the purpose of different examples of IT in the school setting.
Lesson 3 IT in the world LO- To identify information technology beyond school SK- I can talk about uses of information technology		Learners will begin to explore IT in environments beyond school, including home and familiar places such as shops. They will talk about the uses of IT in these environments and be able to explain that IT is used in many workplaces.
Lesson 4 The benefits of IT LO- To explain how information technology helps us SK- I can demonstrate how IT devices work together		Learners will explore the benefits of using IT in the wider world. They will focus on the use of IT in a shop and how devices can work together. Learners will sort activities based on whether they use IT or not and will be able to say why we use IT.

Lesson 5- Using IT safely LO-To explain how to use information technology safely SK- I can say how rules can help keep me safe	Learners will consider how they use different forms of information technology safely, in a range of different environments. They will list different uses of IT and talk about the different rules that might be associated with using them. Learners will then say how rules can help keep them safe when using IT.
Assessment	Mini quiz made by the class teacher to assess knowledge.

Working towards	End of Unit Assessment Working at Age related expectations	Working at a greater depth