



**Crosby
Primary School**

**Computing Medium Term Plan
Year 1 / 2 - Spring Term**

**Computing systems and networks
IT around us Unit 2.1 (6 Weeks)**

National Curriculum (Core Learning)
Begin to develop their understanding of what information technology is(IT) and know how IT improves our world and use it responsibly.
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

Curriculum Links
 Eg.PSHE Health, well-being, and lifestyle
 Identify rules that help keep us safe and healthy in and beyond the home when using technology.

Prior Knowledge
 This is a new unit.

 Links and builds on Teach it unit 1.1.

 Assessment: Teacher assess learners can recognise, have knowledge and understanding via questioning 121 and group tasks.

Resources
Visit: Teach it website
 For Unit Plan, Lesson Plans unit plans and Learning Graphs
 For end product example visit lesson
<https://teachcomputing.org/curriculum/key-stage-1/computing-systems-and-networks-it-around-us>

Vocabulary Generic vocabulary: bankcard, card reader, chip and pin, crossing button, crossing signal, PCs, laptops, printers, scanners, smart speakers, tablets, till, traffic light,

New Topic vocabulary:
Barcode: A barcode contains a code that can be read very quickly by a computer

Computer: is a device for working with information

Information technology (IT): is a computer or something that works with a computer.

Scanner: is a device that captures images from photographic prints, posters etc for computer editing and display.They work by converting the image on the document into digital information that can be stored on a computer through optical character recognition.

Scan: An input device used to capture and read information.

Lesson Sequence

Learning Objective/Success Criteria

Core Knowledge

Additional Information

L1 What is IT?

 LO To recognise the uses and features of information technology

 Success criteria:
 I can identify examples of computer
 I can describe some uses of computers
 I can identify that a computer is a part of IT

Procedural Knowledge (Skills):

- Describe some uses of computers.
- Identify information technology in and beyond school.
- Show how to use information technology safely

L1 See lesson plan
<https://teachcomputing.org/curriculum/key-stage-1/computing-systems-and-networks-it-around-us/what-is-it>

 Use Key Q What activities can we use computers for?

<p>L2 IT in school LO To identify the uses of information technology in the school Success criteria: I can identify examples of IT I can sort school IT by what it's used for I can identify that some IT can be used in more than one way</p>	<p>Propositional Knowledge (Concepts):</p> <ul style="list-style-type: none"> • Say how rules for using information technology can help us. • Explain how information technology benefits us. • Identify that a computer is a part of information technology. <p>Recognise:</p> <ul style="list-style-type: none"> • different types of computers used in school; • features and uses of information technology; • that choices are made when using information technology. 	<p>L2 See lesson plan and presentation https://teachcomputing.org/curriculum/key-stage-1/computing-systems-and-networks-it-around-us/it-in-school</p> <p>Use Key Q ? What would life be like without the device? Would you miss it? What would you do / use instead?</p>
<p>L3 IT in the world LO To identify information technology beyond school Success criteria: I can find examples of information technology I can sort IT by where it is found I can talk about uses of information technology</p>		<p>L3 See lesson plan and presentation https://teachcomputing.org/curriculum/key-stage-1/computing-systems-and-networks-it-around-us/it-in-the-world</p> <p>Use Key Q What type of IT do your family use for work? What is it used for?</p>
<p>L4 The benefits of IT LO To explain how information technology helps us Success criteria: I can recognise common types of technology I can demonstrate how IT devices work together I can say why we use IT</p>		<p>L4 See lesson plan and presentation https://teachcomputing.org/curriculum/key-stage-1/computing-systems-and-networks-it-around-us/the-benefits-of-it</p> <p>Use Key Q How does having barcodes help shops and shoppers?</p>
<p>L5 Using IT safely LO To explain how to use information technology safely Success criteria: I can list different uses of information technology I can talk about different rules for using IT I can say how rules can help keep me safe</p>		<p>L5 See Lesson plan and presentation https://teachcomputing.org/curriculum/key-stage-1/computing-systems-and-networks-it-around-us/using-it-safely</p> <p>Use Key Q How have you used information technology in school? What should I think about when taking pictures of someone? Education for a Connected World</p>
<p>L6 Using IT in different ways LO To recognise that choices are made when using information technology</p> <p>Success criteria I can identify the choices that I make when using IT I can use IT for different types of activities I can explain the need to use IT in different ways</p>		<p>L6 See Lesson plan and presentation https://teachcomputing.org/curriculum/key-stage-1/computing-systems-and-networks-it-around-us/using-it-in-different-ways</p> <p>Use Key Q Why do we have different lessons and activities in school? What's your favourite activity using information technology? Where do the examples on the list fit into Digital 5 a Day? www.childrenscommissioner.gov.uk/our-work/digital/5-a-day</p>

