



- [Computing Long Term Map](#)
- [Computing Knowledge Progression Small Steps to Endpoints](#)
- [Road Map](#)
- [Computing Vocabulary](#)
- [Computing Assessment](#)

Unit lesson plans and resources link:

[IWB Fun Technology and Me Pretty Pictures](#)

Year Nursery. Medium Term Planning

Digital Literacy

Underlines the knowledge and skills relating to **online safety** and technology in society.

Computer Science

Underlines the knowledge and skills relating to **computational thinking, coding, algorithms and networks**.

Information Technology

underlines the knowledge and skills relating to **digital communication, creating multimedia content and data representation/handling**.

Byte Size & Fun

ensure the children have the **core basic skills** to use multiple devices, this is designed to **promote independence** and to have fun!

Year Nursery. Mandatory Skills:

I am starting to use a camera.

I am starting to use technology in my learning.

Autumn

Key Vocabulary:

Computer
Headphones
Device
Volume
App
Technology
Save
Search
Screen
Video
Clip
Touch
Google
Internet
Seesaw
Upload
Share
Button
Mouse
Keyboard
Audio

IWB Fun

(Computer Science)

Children will get to learn about how to use the class IWB. Play games and select games of their choice.

Learning Sequence: Children will be given a variety of opportunities to use the class IWB in various ways. Introducing, practising their in class learning using technology through adult led and independent led games.	
Spring	<u>Technology and Me</u> (Digital Literacy) This unit helps children to make sense of and explore the technology around them. The children will get to experience a range of technology/equipment, including digital cameras, iPads, video cameras, microscopes and sound recorders. <u>School Safer Internet Day learning.</u>
Key Vocabulary: Ipad Computer Headphones Device Volume App Technology Save Search Screen Video Clip Record Google Internet Seesaw Resize Upload Share Button Mouse Keyboard Audio Zoom Camera Record	
Learning Sequence: Lesson1: Objectives: • To look at examples of technology and think about how they can help us • To understand the term 'digital technology.' • To discuss using technology safety • To take photographs Outcomes: (DL) I can discuss the use of technology in the world around me. (IT) I can use a camera. Lesson 2: Objectives: • To discuss "What is a computer?" (Digital device) • To explore what computers can do • To experience logging on to a computer and opening an app/application • To move and sort items on a digital device Outcomes: (IT) I can select and use technology for particular purposes. Lesson 3: Objectives: • To discuss how we can communicate with computers. • To discuss the rules to keep us safe. Based on Digiduck's Big Decision story book. • To discuss how we use digital devices at home. • To use digital drawing tools. Outcomes: (DL) I understand that people can talk to each other (communication) online. (IT) I can do the basic with technology. Lesson 4: Objectives: • To log on to a computer and open an app/application • To use a search engine (Google) Outcomes: (DL) I can use a search engine. (DL) I can go online.	
Summer	<u>Pretty Pictures</u> (Information Technology) The children will learn how to take photos, record video and record audio.

Key Vocabulary:

Camera
Digital device
Emotions
App
Insert
Audio
Ipad/tablet
Record
Device
Save
Selfie
Seesaw
Filter
Keyboard font
Upload
Video
Share
Button
Text
Sticker
Emoji
Microphone
QR code

This is an important skill that will enable them to document their own learning and ideas. The children will create a Tech Museum as they get to explore and play with old technology.

Learning Sequence:

Lesson1: Objectives: • To understand how various devices and apps can be used in the classroom. • To use a camera safely and respectfully. • To learn to take photographs on a device. • To learn to delete unwanted photographs on a device. • To work with a partner and take turns using a device.

Outcomes: (IT) I can use a camera.

Lesson 2: Objectives: • To take a photograph of the work • To share a photograph with the teacher. • To use a camera safely and respectfully.

Outcomes: (IT) I can select and use technology for particular purposes.

Lesson 3: Objectives: • To take photographs using Zoom features and filters. • To insert pictures into a document. • To add text to a document.

Outcomes: (IT) I can do the basics with technology. (Adding text and images to a document)