



Innovation

Subject: Computing

Year group: 1

Term: Autumn Term

Unit name: Technology Around Us (IT) NCCE unit

Big idea:

Learners will develop their understanding of technology and how it can help them in their everyday lives. 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

Progression of skills :

Learners will become familiar with the term 'technology'. They will classify what is and what is not technology in their school and/or classroom. Learners will demonstrate their understanding of how technology helps us in different ways.

Learners will get to know the main parts of a desktop or laptop computer. They will practise turning on and logging in to a computer. The learners will apply their knowledge of the different parts of a computer, to complete a mouse-based task.

Learners will begin to use the computer keyboard for a purpose. They should understand that writing on a keyboard is called typing and will begin to demonstrate their ability to write their name. Learners will then save their work using the save icon and understand that this icon is used in lots of different programs.

This unit is plugged- children will use 2Publish on Purple Mash to complete the sessions on mouse/tracking pad and keyboard skills.

Vocabulary:-

Technology, Computer, mouse/trackpad, keyboard, screen, click, drag, Input device, computer, keyboard, mouse

Subject knowledge:

Please use Purple Mash to familiarise yourself with the typing and paint software detailed below.

National Curriculum links :

- recognise common uses of information technology beyond school.
- use technology purposefully to create, organise, store, manipulate and retrieve digital content



2Paint



2Type

For mouse/tracking pad skills For typing skills

Future learning:

Year 2- Information Technology around us (IT)

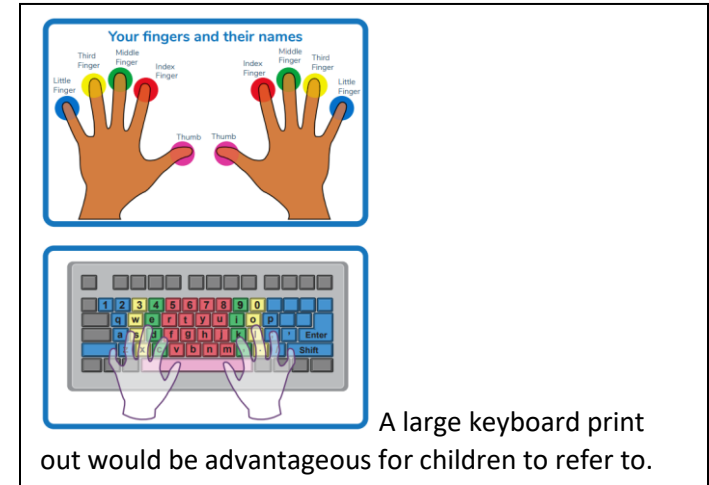
In **Year 2**, the children will learn about what information technology is and give examples of computers found at home and school. They will begin to understand how computers send and receive information through an activity on barcodes.

Year 3- Connecting Computers (IT)

In **Year 3**, the children will start to understand how computer networks are structured and be able to recognise connected devices. They will discuss how some technology can be connected with wires and others are wireless.

Year 4- The Internet (IT).

In **Year 4**, 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 will be given opportunities to explore the World Wide Web for themselves in order 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.



Key learning assessment statements:

To discuss what is meant by technology

To be able to switch the laptop on, log on and use mouse/tracking pad

To have basic key board skills and familiarise themselves with the features of a school device.

Spiritual Development

Computing allows children to reflect on the awe and wonder of the achievements and possibilities of ICT in a modern world. They think about the limitless opportunities that could be achieved thus promoting their sense of self and motivation. Exodus 15:11: And amazement seized them all, and they glorified God and were filled with awe, saying, "We have seen extraordinary things today."