St John Fisher RC Primary School

Year Four Knowledge Organiser – Autumn Two – Computing – Networks & Video

What we will be learning

Lesson 1 - 4
I know:

- About the concept of the Internet and how it operates.
- How to distinguish between the Internet and the World Wide Web.
- How web pages are stored, requested, and transmitted on the Internet.
- About other services provided by the Internet.
- How to create a green screen video.
- How to apply knowledge with technology: create and present a green screen video.

Key Facts to Remember

- I can explain the concept of the Internet and its primary purpose.
- I can distinguish between the Internet and the World Wide Web and understand their differences.
- I can describe how web pages are stored on servers and how they are retrieved by clients.
- I can at least three other services provided by the Internet, such as email, streaming, and social media.
- I can explain what green screen technology is and how it is used in video production.
- I can apply knowledge of technology to create a simple green screen video presentation.

Key Vocabulary and Glossary

- **Internet** - A global network that connects millions of computers, allowing them to communicate and share information.
- **World Wide Web (WWW)** - A system of interlinked hypertext documents accessed via the Internet using web browsers.
- **Web Page** - A document on the World Wide Web that can contain text, images, videos, and links.
- **Server** - A computer that stores and serves web pages to users who request them via browsers.
- **Client** - A device (like a computer or tablet) that requests information from a server.
- **Router** - A device that connects multiple computers to the Internet and directs network traffic.
- **URL (Uniform Resource Locator)** - A web address used to access a specific web page.
- **Browser** - A software application used to access and view web pages on the Internet.
- **Upload** - To transfer files or data from a computer to a server or another device.
- **Download** - To transfer files or data from a server to a computer or device.
- **Green Screen (Chroma Key)** - A technique used in video production where a green background is removed and replaced with another image or video.
- **Video Editing Software** - Programmes used to manipulate and arrange video clips, such as adding effects or cutting footage.
- **Streaming** - The continuous transmission of audio or video files over the Internet.
- **Bandwidth** - The amount of data that can be sent over the Internet in a given time, affecting speed and quality.

Interesting Facts

- The first website ever created is still online today! It was created by Tim Berners-Lee in 1991.
- The Internet is made up of over a billion websites and continues to grow every day.
- Every minute, people send 188 million emails and make 69,000 searches on Google!
- The term “surfing the Internet” was popularised in the 1990s to describe browsing through different websites.
- The largest green screen video ever recorded was over 3 miles long!

Theme



The Internet & The World Wide Web

The Internet is a global network of interconnected computer networks, while the World Wide Web (WWW or Web) is a specific service that operates on top of the Internet. Think of the Internet as the roads and vehicles, and the Web as the websites and pages you see when you're online.

Apps & Software

iMovie

iMovie is a free video editing application developed by Apple for Mac, iPhone, and iPad. It's designed to be user-friendly, allowing individuals with little to no experience to create professional-looking videos.

SeeSaw

An educational platform that can be used to create an electronic portfolio of children’s completed digital work.