Computing- Year 4- Autumn Term- The Internet

Prior Learning: We developed our understanding of digital devices, with an initial focus on inputs, processes, and outputs. We compared digital and non-digital devices and were introduced to computer networks, including devices that make up a network's structure, such as wireless access points and switches. We will discovered the benefits of connecting devices in a network
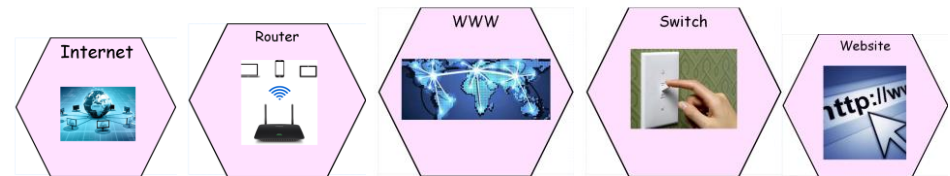
Theme: The Internet

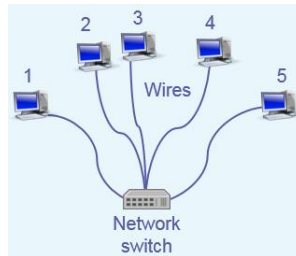Concept: Computing Systems & Networks

Hardware: Laptops

Software: musiclab.chromeexperiments.com/Kandinsky (L4)

Words we will know!

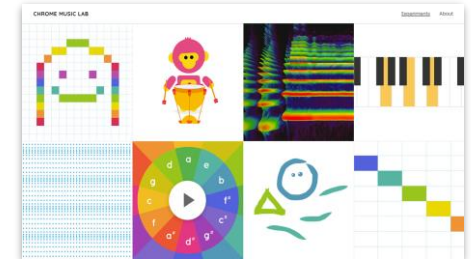Internet | Router | WWW | Switch | Website

1. Connecting networks

We will explore how a network can share messages with another network to form the internet. We will consider some of the network devices involved in this, such as routers, and will also discuss what should be kept in and out of a network to keep safe.

2. What is the internet made of?

We will describe the parts of a network and how they connect to each other to form the internet. We will use this understanding to help explain how the internet lets us view the World Wide Web and recognise that the World Wide Web is part of the internet which contains websites and web pages.

sticky knowledge The World Wide Web is part of the internet.

3. Sharing information

We will explore what can be shared on the World Wide Web and where websites are stored. We will also explore how the World Wide Web can be accessed on a variety of devices.

sticky knowledge Multiple devices can be connected to the internet at once.

4. What is a website?

We will analyse a website and identify the key parts. We will then look at what content can be added to websites and what factors should be considered before adding content to a website. Finally, we will use a website which enables us to create our own content online.

5. Who owns the web?

We will explore who owns the content on the World Wide Web (or 'web' for short). We will explore a variety of websites and will investigate what they can and cannot do with the content on them. We will also relate this to principles of ownership and sharing in the real world.

6. Can I believe what I read?

We will learn that not everything we see on the internet is true, honest, or accurate. We will review images and decide whether or not they are real, before looking at why web searches can return ambiguous (and sometimes misleading) results. Finally, we will complete a practical activity, demonstrating how quickly information can spread ... r control.

sticky knowledge Not everything we read on the internet is true.