

**Year:** 4  
**Term:** Autumn 1  
**Topic:** Computing - The Internet



**Information technology** (IT) includes computers and things that work with computers.

Information and data can be shared by devices across **networks**. The **internet** is a network of networks that is used around the world.

**Router:** A router is something that finds a route between networks, connecting them.



**The Internet:** The internet is a network of networks, that is used around the world to share information and communicate.



**Protection:** Networks have security features that mean they can block or allow messages and requests. This means that information and data can be kept safe.



The **World Wide Web** is the part of the internet where we can visit web pages and websites.

Information can be shared in the form of things we can see or hear (e.g. things we can read, music, sounds, or videos, etc.).

When we use the world wide web, routers help us to journey to different networks in different parts of the world.

We can use traceroute tools to track the journey between routers.


Web browsers, e.g. Google Chrome and Internet Explorer, let us look at different pages on the internet.

**Websites** are a set of webpages.

**Webpages** may contain different features, e.g. a title, links to other pages, images, videos, and text.

Websites and webpages can be found using web addresses (domains), normally split into three parts:

1. www (world wide web).
2. Name of the organisation/ topic.
3. Type of organisation/ location.

 [www.youtube.com](http://www.youtube.com)

A web address may also be called a URL (Universe R source Locator). This is the text you type into your internet browser when you want to visit a website.

## Glossary

<b>browser</b>	A program used to view, navigate, and interact with web pages.
<b>download</b>	Getting something from the internet and saving it onto your computer, phone, or tablet.
<b>files</b>	Special folders that hold information about one thing.
<b>wireless access point</b>	A network device that allows wireless computing devices to connect to a wired network.

The content on the internet may belong to different people or companies.

The content may be **copyrighted**, meaning that others cannot copy or use it without **permission**.

Not all of the information that we see or hear on the internet is **reliable**. Some of it may be inaccurate due to people lying or misunderstanding things.

Inaccurate information can quickly spread. This has become known as **'fake news'**. We should check multiple sources that we can trust to verify information.

