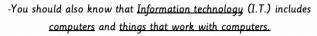


# Year 4 The Internet

#### Overview





-You should also know that information and data can be shared by devices across networks.

-The internet is a network of networks that is used around the world.

-The World Wide Web is a system on the internet that has websites and webpages.

-Some content is protected on the internet. It is important to know that not all information on the internet is accurate.

#### Networks and The Internet

-Networks connect different devices to one another, allowing for information sharing.

-Networks can also connect to other networks in different places, using a router.

-The internet is a network of networks that are all connected together.

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



#### The World Wide Web

#### The World Wide Web

-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.

### Website and Webpages

-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

## Ownership and Reliability

-The content on the internet may belong to different people or companies, for example the person who wrote it or the company who published it.

-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.



## **Important Vocabulary**

Network World Wide Web Internet Router Security Website Webpage Browser Domain Reliable