The Internet

The internet is just a really bit computer network.

It links computers, devices and routers together from all over the world

It works by using **servers** to provide data for individual users

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Every computer on the internet has an **IP address**. This stand for Internet Protocol and is a number to identify the device on the network.

Example IP address: 68.178.157.132

A protocol is a set of rules agreed between two communicating devices. There are lots in computing, like HTTPS, TCP, FTP etc…

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Websites are identified by their web address. This is called a **Universal Resource Locator** - or URL.

You can find the URL for any page in the address bar of your web browser.

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A **Domain Name Server** (DNS) is a special computer on the internet that stores lists of URLs and their matching IP addresses.

It's the DNS that connects users to webpages.

The Internet

When you click a link:

1. the URL is sent to a domain name server
2. the domain name server returns an IP address for the server that hosts the website
3. your web browser sends a request to that IP address for the page from the web server
4. the web server sends the data for the page to your computer's IP address. The page may also contain links to other files, such as images, which the browser will also request.
5. the browser collects all the information and displays the webpage on your screen