CAIE Computer Science IGCSE
5.1 The internet and the world wide web

Flashcards

What is the internet?

What is the internet?

A global network of interconnected computers and devices that provides the physical and technical infrastructure for data transmission.

What is the World Wide Web (WWW)?

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The WWW is a collection of websites and web pages accessed via the internet using web browsers. It is one of the services that runs on the internet.

What is a Uniform Resource Locator (URL)?

What is a Uniform Resource Locator (URL)?

An address assigned to files on the internet.

What are the three main parts of a URL?

What are the three main parts of a URL?

The protocol, domain name and web page or file name.

What is the role of the protocol in a URL?

What is the role of the protocol in a URL?

It defines the rules for data transmission between devices over a network.

What is a domain name?

What is a domain name?

A human-readable website address used instead of an IP address.

In the URL
https://www.physicsandmathstutor.com/computer-science-revision/,
identify the protocol.

In the URL
`https://www.physicsandmathstutor.com/computer-science-revision/`, identify the protocol.

https

What is the difference between HTTP and HTTPS?

What is the difference between HTTP and HTTPS?

HTTPS is HTTP with added encryption using SSL/TLS for secure communication, preventing the danger surrounding data interception.

What is the primary purpose of a web browser?

What is the primary purpose of a web browser?

To allow users to access and view content on the World Wide Web.

Name three functions of a web browser.

Name three functions of a web browser.

Storing bookmarks, recording user history, and multiple tabs.

How does a browser locate, retrieve and display a web page when a URL is entered?

How does a browser locate, retrieve and display a web page when a URL is entered?

It contacts a Domain Name Server to get the IP address, sends a request to the web server, and then receives and renders the page.

What are cookies?

What are cookies?

Small text files stored on a user's device by a website.

What's the difference between session cookies and permanent cookies?

What's the difference between session cookies and permanent cookies?

Session cookies are temporary and are deleted when the browser is closed, while persistent cookies remain on the device for a set period until they expire or are deleted manually.

Name three things cookies are used for.

Name three things cookies are used for.

Storing personal details, remembering user preferences and keeping items in an online shopping cart.