



# Hands on Web Browsing

Going online for new users

# Internet Browsers

A browser is software that is used to access the internet.

A browser lets you visit websites and do activities within them.

- View multimedia
- Read articles
- Shopping
- Send and receive email
- Download files



## Chrome

Google Inc.

Available for all popular operating systems



## Firefox

Mozilla Corporation

Available for all popular operating systems



## Safari

Apple Inc.

Mac OS and iOS



## Edge

Microsoft

Windows 10, Windows Mobile & Xbox One. Edge replaces Internet Explorer



## Opera

Opera Software

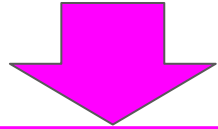
Available for all popular operating systems

A website's name is known as a **URL**.

A **URL** is the internet address of a World Wide Web page.

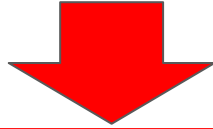
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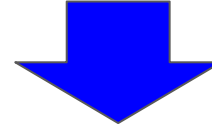


online protocol used to  
view website.

http = unsecure  
https = secure



website owner  
or  
server name



website path  
or  
online file name

A Uniform Resource Locator (**URL**), colloquially termed a **web** address, is a reference to a **web** resource that specifies its location on a computer network and a mechanism for retrieving it.

# How to Start and Open a Web Browser.

1. Find the **browser icon** the computer desktop.
2. Using the computer mouse **double click** on the browser's desktop icon.
3. The browser should appear to a full screen or small popped up windowed view.



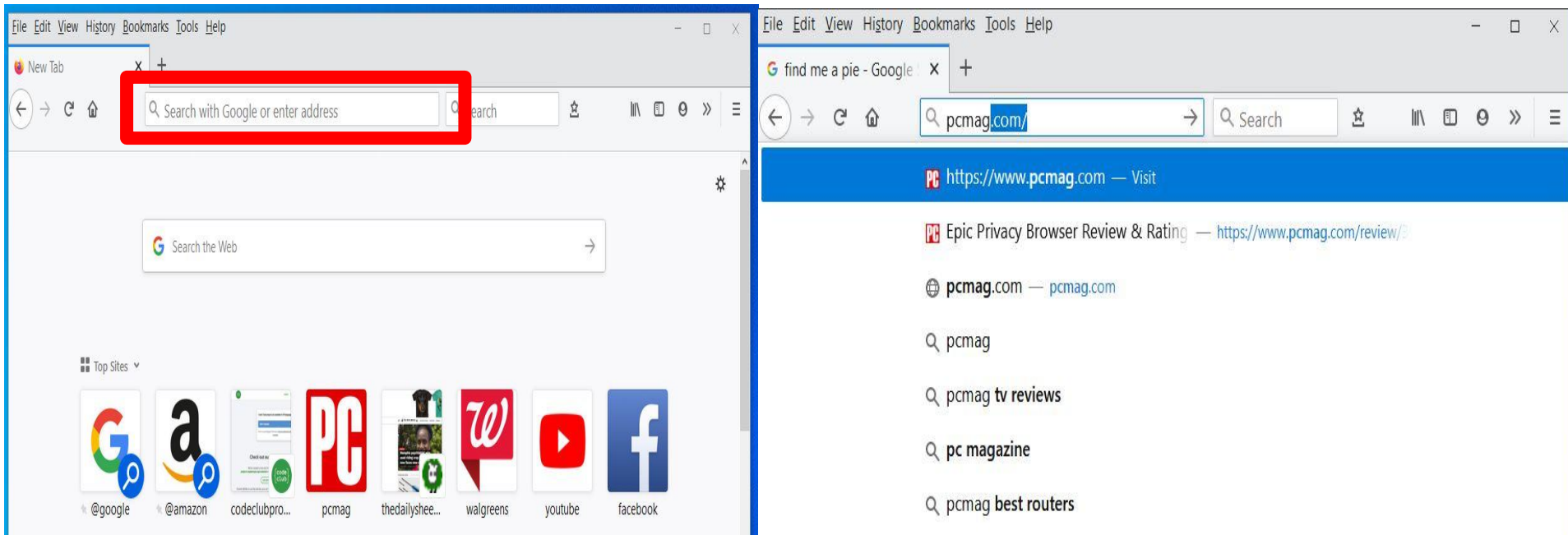
This example is using older images that are out of date.

Type in the website's name in the long horizontal box along the top of the browser window.

Typing “ **http://www.** ” isn't necessary at the beginning for modern browsers.

“ **.com** ” is required at the end of the website name.

As you type the browser will **auto complete** try and figure out websites or topics as you type.





# Parts of the Firefox Web Browser Window

Toolbar

Left to Right

Window Minimize, Maximize, & Close

Website Tab

File Edit View History Bookmarks Tools Help

find me a pie - Google! x +



pcmag.com/

Search



Open Menu

Web Address

Search Bar

Left to Right

View Bookmarks, View History, View Account, Customize Toolbar

Go Back Go Forward Refresh Go Home

# Different Internet Search Engines



## Top 10 Popular United States Search Engines

1. Google.com
2. Bing.com
3. Yahoo.com
4. DuckDuckGo.com
5. Ask.com
6. AOL.com

1. Go to a search engine website or browser search bar.
  - i. Google.com
  - ii. Bing.com
  - iii. Yahoo.com
  - iv. DuckDuckGo.com
2. Enter search term
  - i. While typing you'll get suggestions as you type, actual search results will begin to load.
  - ii. When done if the results are not on the screen press the "ENTER" key on the keyboard.
3. Review Search Results



# Parts of Search Engine Results

## Search Box

Contains the keywords used in the search results.

## Ads

A company paid the search engine website to promote their products. Promotion is by show at the top of the screen when specific keywords are use. Ads could be distracting and misleading.

## Map

The search engine may present a map with several nearby business related to your search terms.

## Search Results

Webpages, images, and other content that have some relevance to what you're looking for.  
The result is based on keywords used.

The screenshot shows a Google search for "Office Supplies". The search bar at the top contains the text "Office Supplies". Below the search bar, the results are categorized into "All", "Maps", "Shopping", "Images", "News", "More", "Settings", and "Tools". The "All" category is selected, showing approximately 197,000,000 results in 0.96 seconds.

Key features and annotations on the page include:

- Search Box:** A pink circle highlights the search bar containing the text "Office Supplies".
- Ads:** A cyan circle highlights the "Office Supplies - Get What Your Office Needs - staples.com" advertisement at the top of the results.
- Map:** An orange circle highlights the map showing nearby office supply stores, including Staples, HWM Office Environments Inc., and Alfred Williams & Company.
- Search Results:** A red circle highlights the "Office Supplies and Products | Office Depot OfficeMax" result at the bottom of the page.
- Shopping:** A cyan circle highlights the "Shop on Google" sponsored shopping results on the right side of the page, featuring a "Quill Brand Wire Mesh Desk Accessories; Super Sorter" for \$22.49.



**Youtube Video Name:**

Essential Google Search Tricks for Research

**YouTube Channel Name:**

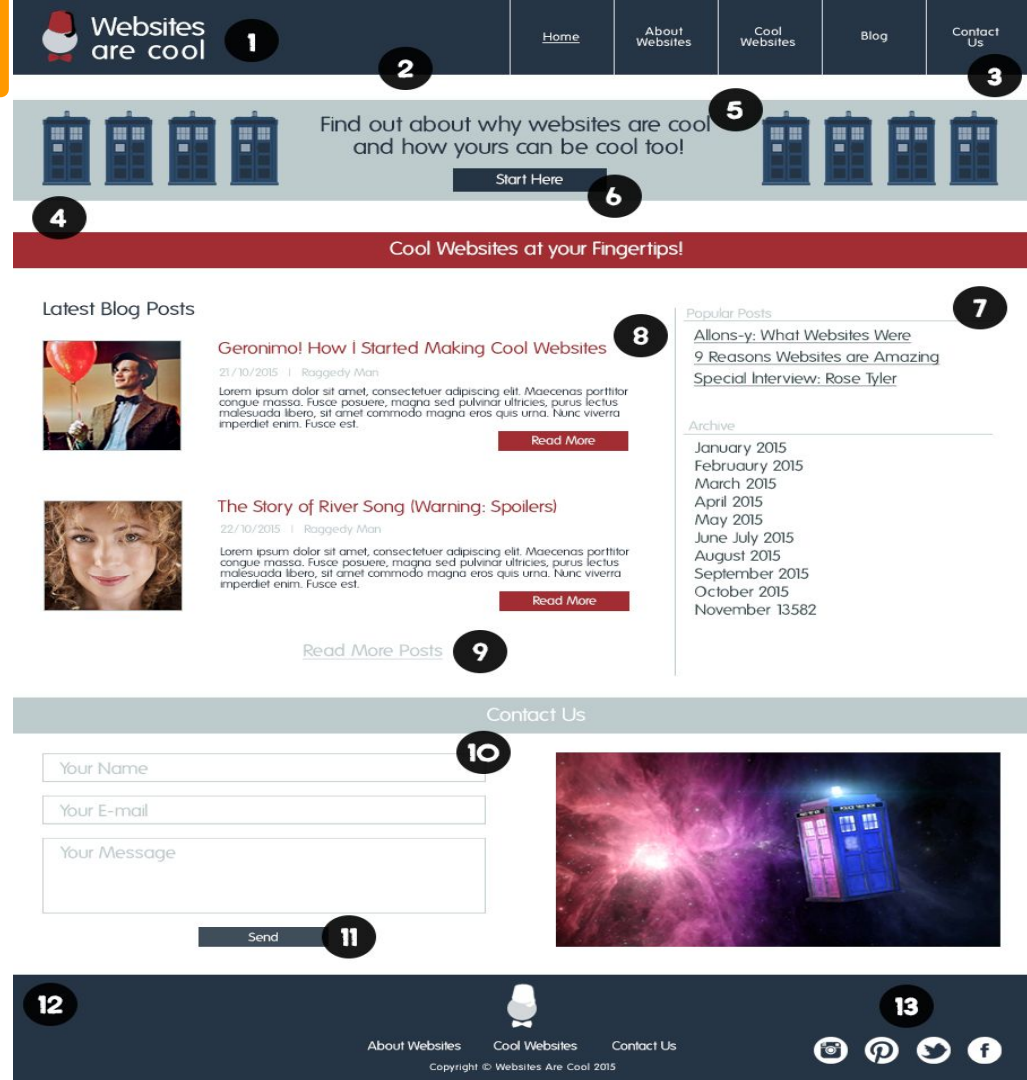
Common Sense Education

**Website URL:**

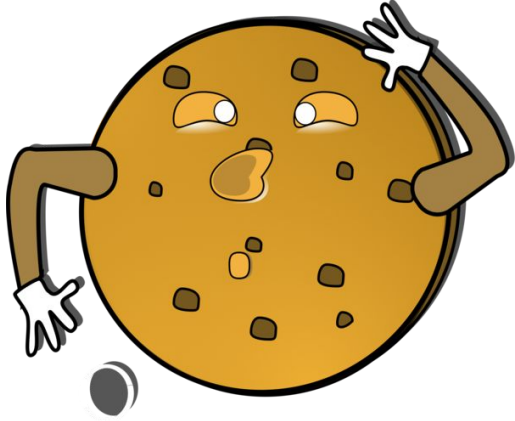
<https://www.youtube.com/watch?v=s9XZk9CLxK4>

# 13 Areas of Website Design

1. Website Logo
2. Header
3. Menu
4. Body
5. Highlighted Content
6. Call to Action (CTA)
7. Sidebar
8. Posts & "Feed" Content
9. Internal Links
10. Forums
11. Buttons
12. Footer
13. Media Social Links



# Internet Cookies

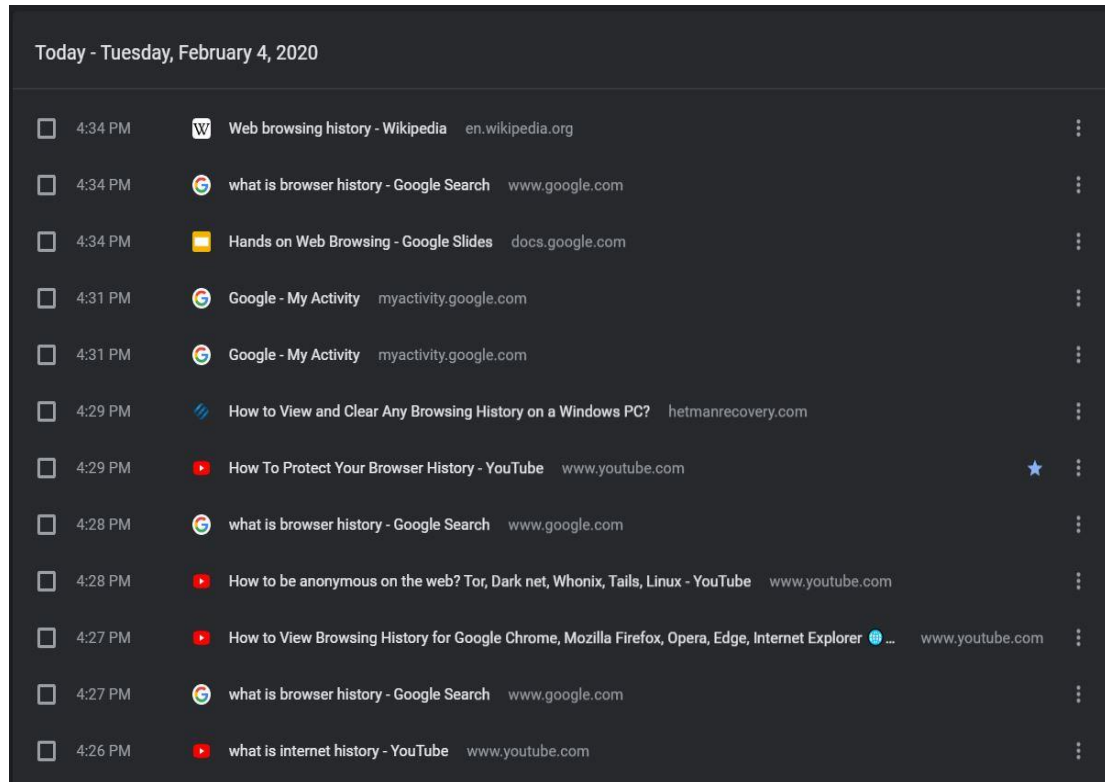


Video Name: What is a Cookie?

Created by: Digital Power

Website URL: <https://www.youtube.com/watch?v=I01XMRo2ESg>

# INTERNET HISTORY

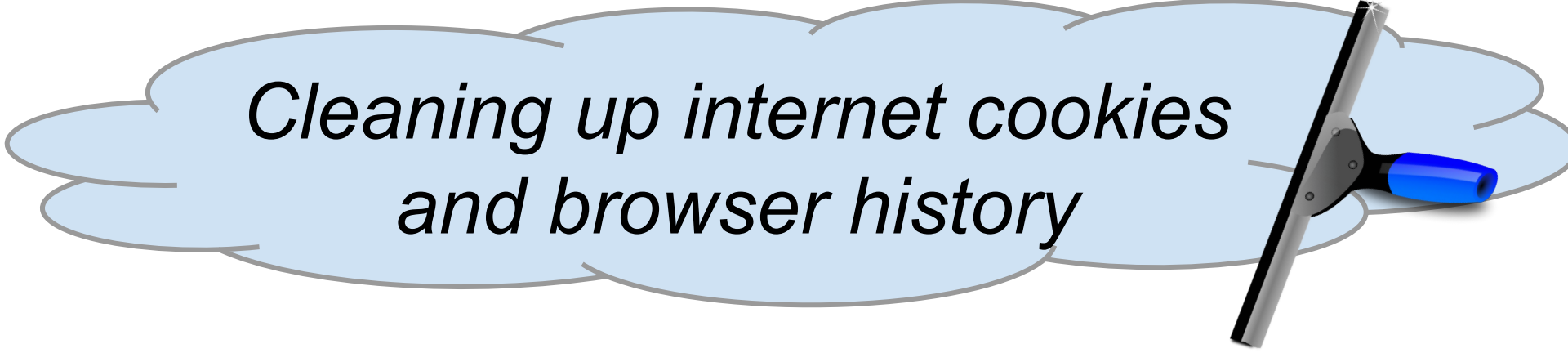


Every browser keeps a local record of the your usage.

Used for

1. Finding previous visited websites and downloads.
2. Saving those previously visited sites for future bookmarks.

# *Cleaning up internet cookies and browser history*

A light blue, cloud-like shape with a grey outline. Inside the cloud, the title text is written in a black, italicized serif font. To the right of the cloud, a squeegee with a grey frame and a blue handle is shown cleaning the cloud's edge.

## **What is CACHE?**

**In computer terms, a cache is a place where data is temporarily stored. 'Caching' data is useful because next time your computer has to retrieve the same information, it can do so faster.**

Let's use browsing a web page as an example. The first time you go to a site your computer downloads the entire page. You might then decide to click through the site. Some elements on the page are new, so will continue to be downloaded, but if the same logo appears on every page within the site your computer will reuse the logo from the initial download.

This doesn't just apply to logos - anything that appears on multiple pages within a single site will be placed in the browser's cache.

# Browser Settings & Options



# References

GCF GLOBAL:

- <https://edu.gcfglobal.org/en/topics/internet/>

CCleaner:

- <https://www.ccleaner.com/news/blog/how-to-clear-cookies-from-your-browser>
- <https://www.ccleaner.com/news/blog/2016/09/02/what-is-my-cache-and-why-does-it-need-clearing>

Hetman Software:

- [https://hetmanrecovery.com/recovery\\_news/how-to-view-and-clear-browsing-history-in-yandex-google-chrome-mozilla-firefox-opera-microsoft-edge-and-internet-explorer-on-a-windows-pc.htm](https://hetmanrecovery.com/recovery_news/how-to-view-and-clear-browsing-history-in-yandex-google-chrome-mozilla-firefox-opera-microsoft-edge-and-internet-explorer-on-a-windows-pc.htm)

Computer Hope:

- <https://www.computerhope.com/issues/ch001918.htm>

How Stuff Works:

- <https://computer.howstuffworks.com/internet/tips/how-to-see-and-delete-google-history.htm>

What is my IP Address:

- <https://whatismyipaddress.com/browser-history>