

The background is a dark blue gradient with a subtle pattern of white dots. Overlaid on the left side are several concentric circles and arcs, some with tick marks and numbers, resembling a compass or a technical diagram. The numbers 140, 150, 160, 170, 180, 190, 200, 210, 220, 230, 240, 250, and 260 are visible along one of the arcs. There are also some dashed lines and arrows pointing in different directions.

UNIT 06

USING THE INTERNET FOR COLLECTING INFORMATION AND COMMUNICATION

WHAT IS THE INTERNET?

- The Internet is a global network connecting millions of computers worldwide.
- It allows people to share information and communicate easily.
- The World Wide Web (WWW) is one of the main services of the Internet.

ACCESSING INTERNET

- To find information on the internet, we need a **web browser**.
- A web browser is **software** used to open websites and web pages.
- A website is made up of **multiple web pages**.
- Web pages can contain texts, images, videos, audio files, and more

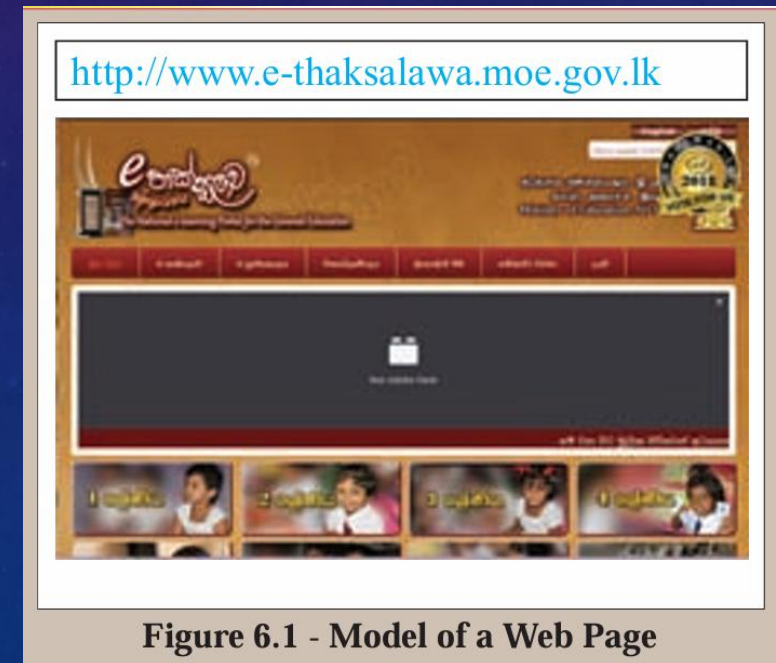


Figure 6.1 - Model of a Web Page

WEB BROWSER

- ✓ You open a website or a web page in a web browser. The software used to open websites and webpages on the internet is the web browser.



Chrome



Safari



Firefox



Edge



Opera



Internet Explorer

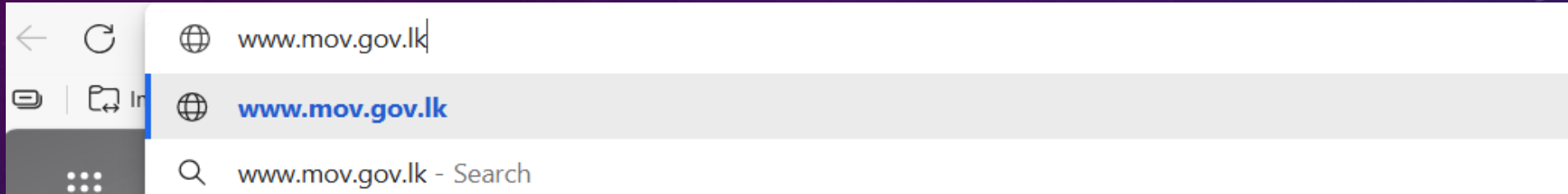
USE OF WEB BROWSERS

- ❑ To use a web browser, the computer must be connected to the internet.
- ❑ Web browsers are usually opened via a desktop shortcut or the Start menu.
- ❑ The address bar is at the top of the browser.
- ❑ To open a website, click on the address bar, type the website address, and press Enter

❑ Eg: Accessing the website of the Ministry of Education



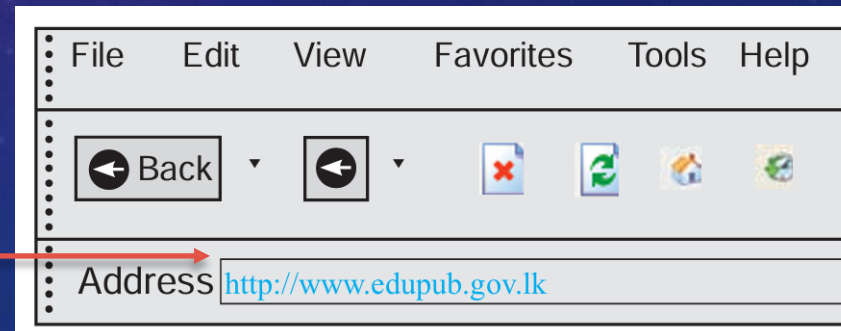
- If you have typed the address previously, it will be displayed. Hence, bring the cursor and click on it.



- Address Bar

- There is a toolbar in the web browser. These toolbars can be used to change websites and update web pages.

Web Address of the Educational
Publications Department





You can access the first page of the web browser by clicking the button. The button is shown in the form of a house.

Home



You can return to the web pages that you have already viewed by clicking the button.

Back

Forward



By clicking the button, you can go back to the web page that you were looking at before you clicked the back button.

History

By clicking the button, you can access the directory of websites and web pages you have previously seen.

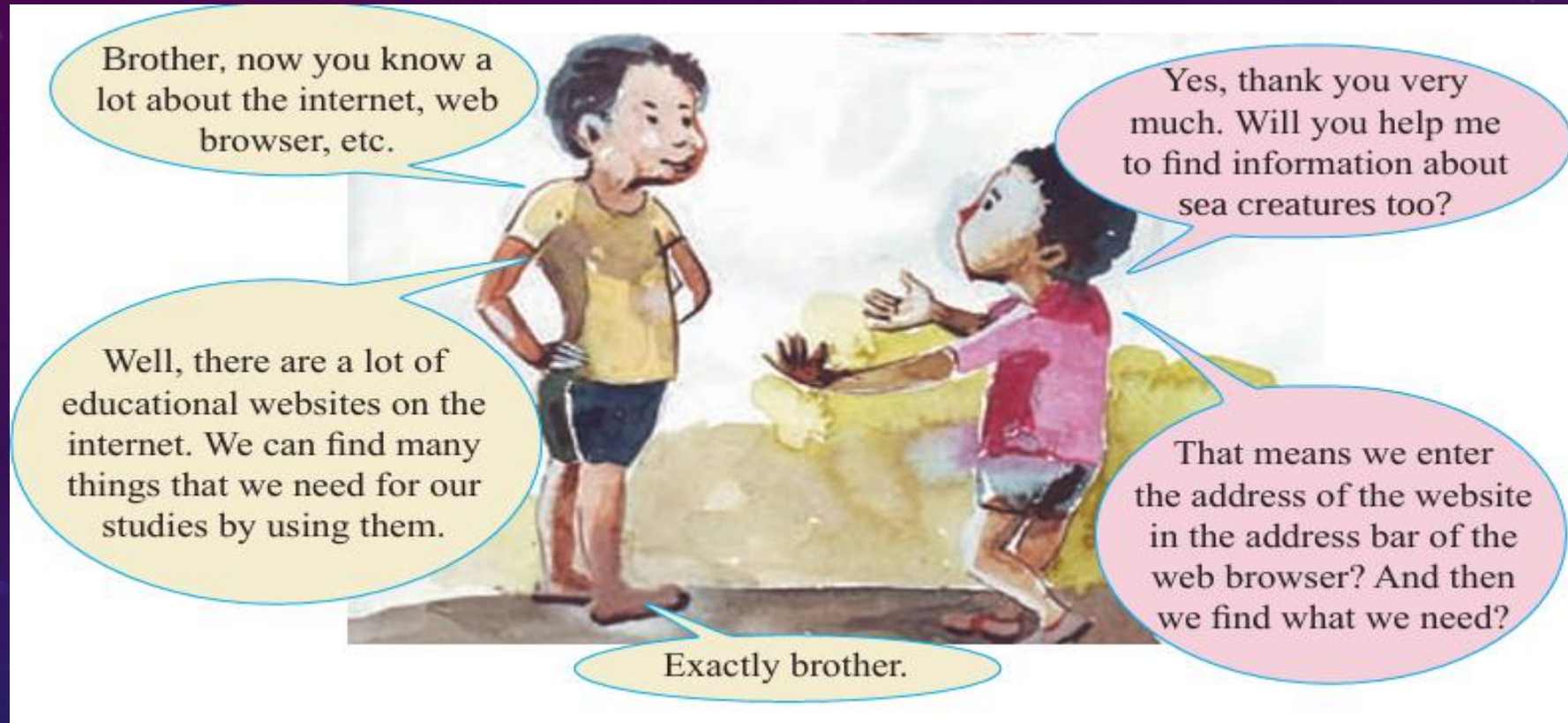
Refresh

By clicking the button, you can update the website you are currently on.



Some Buttons in a Web Browser

❑ Obtaining Information from Educational Websites



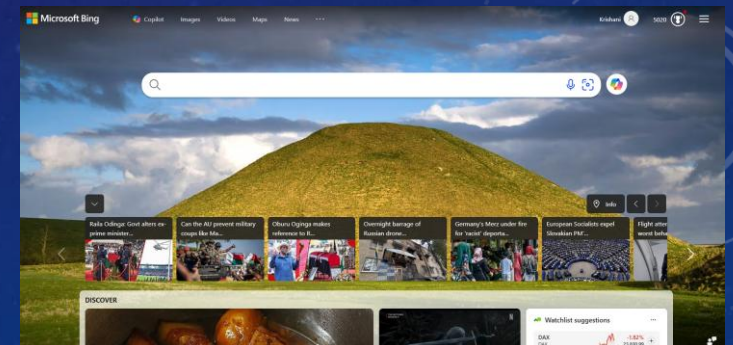
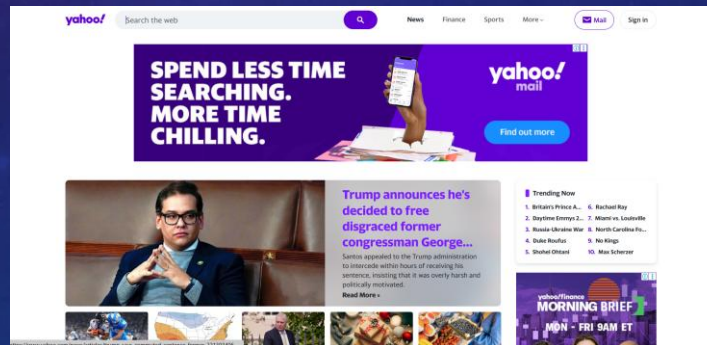
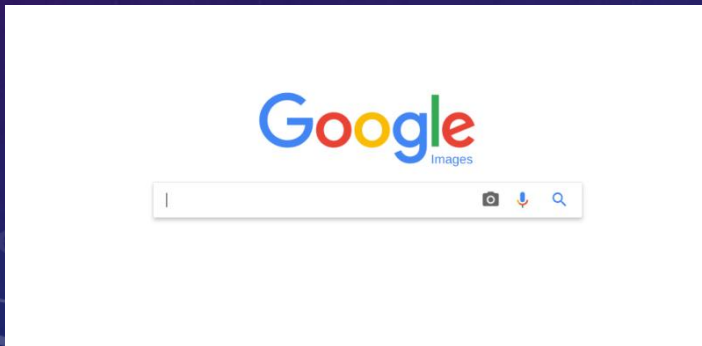
- ❖ There are a lot of educational websites on the internet and we can get many information regarding our studies. In order to enter a website, the address of the web site should be entered in the address bar of the web browser.

Example : www.bbc.com/bitesize

Search Engines

- ✓ The internet has many websites and web pages. Search engines help find information on topics like recipes, news, history, science, education, etc. They scan thousands of websites and web pages efficiently to provide useful results. Examples of search engines:

1. Google - www.google.com
2. Yahoo - www.yahoo.com
3. Bing - www.bing.com



Opening and Using Search Engines

1. Open a Web Browser

1. Use the browser installed on your computer.

2. Enter the Search Engine Address

1. Type the URL in the **address bar**.
2. Click the address bar or press the **Tab** key to activate it

3. Find the Search Box

1. Every search engine has a **search field** where you can type keywords.

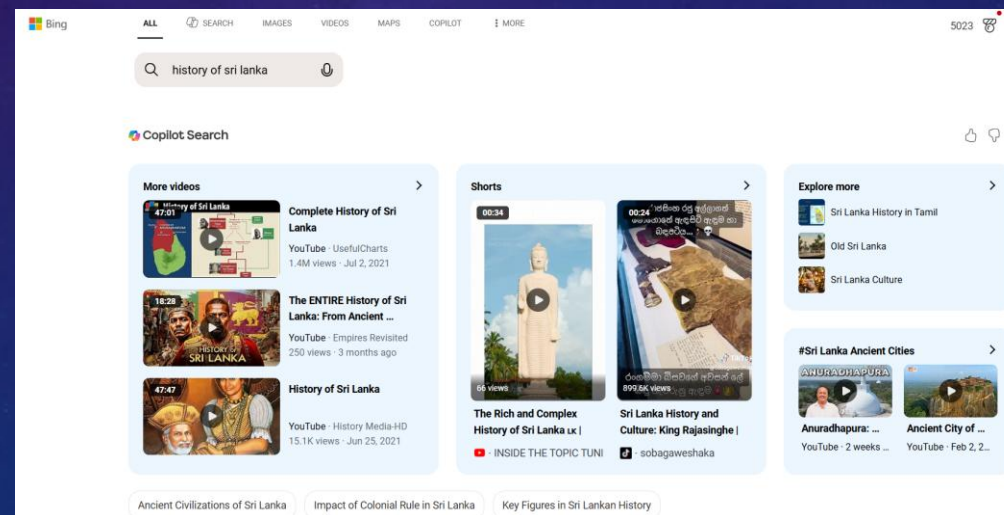
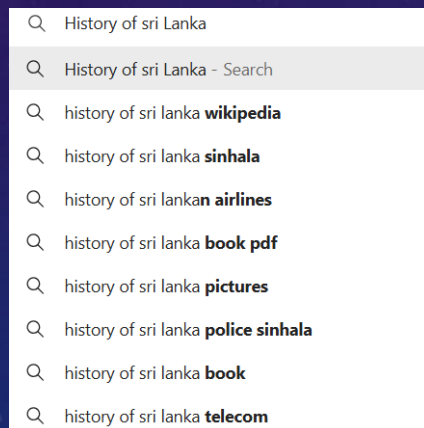
4. Enter Keywords

1. Type the words related to the information you want.

5. Start the Search

1. Click the **search button** or press **Enter** to see results.

- ❑ When you use a search engine, the results appear as a list of websites and links. The most popular or relevant sites are usually displayed at the top. From this list, you should select the site that best matches your needs and click the link to view it. Keywords are simple and clear terms describing what you are looking for.
- ❑ For example, if you want to find information about the history of Sri Lanka, you can use “History Sri Lanka” as your keyword.
- ❑ To make your search results more effective, always use Keywords instead of full sentences or questions. For example, instead of typing “I need the history of Sri Lanka”, type “History Sri Lanka” or “Sri Lankan History”. If you don’t find what you need, try using different words or expressions to improve your results.



Search Information
using a Search
Engine

In some searches, it will show hundreds of web pages irrelevant to your search. Be careful when selecting your search terms to avoid that. Your search engine will give an accurate result when your word is more appropriate.

1. Use inverted commas (" ") for a clause with several words.



2. Removing unnecessary words

Do not use words that are not relevant to your search. Do not use words like "how, and, in, to, as". Use the names of people, places or things you want to find.



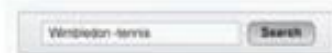
3. When you want to use more than one main word. Connect the words with '+'. For example, when you need to see the beautiful places in Kandy,

It is better to use

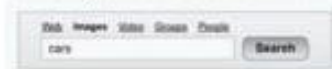


- 4) To remove unnecessary facts

Use '-' in front of the unwanted word. For example, when you are searching for information about Wimbledon, it would show information on tennis too. So to remove details about tennis, use;



5. When looking for an image about something, select the 'image' command of the search engine to search what you need.



Using the Internet Safely

1. Access Management

- Use different measures to control and safely access the internet.
- Helps protect your computer from harmful websites and networks.

2. Usernames and Passwords

- Register usernames and passwords when required.

Username Tips:

- Do not use your real name.
- Make it memorable but hard to guess.

Password Tips:

- Use a mix of letters, numbers, and symbols.
- ❖ Examples of strong passwords:
be220mmb, Sama89agu@

- Avoid weak passwords like password or *saman123*.
- Use different passwords for different websites.

3. Log Out After Use

- Always log out after accessing websites with your account.

4. Keep Passwords Private

- Do not share your passwords with anyone

Using E-mail Safely



1. Be Cautious with Unknown Senders ⚠️

- Do not open e-mails from people you don't know.

2. Avoid Clicking or Replying 🚫

- Do not reply to suspicious e-mails.
- Avoid clicking on any links in such e-mails.

3. Protect Personal Information 🗝️

- Never provide personal or financial information to institutions via e-mail without verifying them first.

Doing Safe Online Transactions

1. Use Reliable Websites

- Only purchase goods from trustworthy websites.

2. Use Safe Payment Methods

- Ensure the payment methods are secure before completing transactions.

3. Follow Expert Guidance

- Listen to instructions from teachers, parents, or adults with good internet knowledge.

4. Stay Alert to Fraud

- Be aware of increasing online fraud and always take precautions.

5. Safe and Productive Browsing

- Following these steps makes your internet use safer, more satisfying, and productive.



THANK YOU