

Empowerment Technologies

Quarter 1 – Module 3: Online Navigation



Empowerment Technologies
Alternative Delivery Mode
Quarter 1 – Module 3: Online Navigation
First Edition, 2020

Republic Act 8293, section 176 states that: No copyright shall subsist in any work of the Government of the Philippines. However, prior approval of the government agency or office wherein the work is created shall be necessary for exploitation of such work for profit. Such agency or office may, among other things, impose as a condition the payment of royalties.

Borrowed materials (i.e., songs, stories, poems, pictures, photos, brand names, trademarks, etc.) included in this module are owned by their respective copyright holders. Every effort has been exerted to locate and seek permission to use these materials from their respective copyright owners. The publisher and authors do not represent nor claim ownership over them.

Published by the Department of Education
Secretary: Leonor Magtolis Briones
Undersecretary: Diosdado M. San Antonio

Development Team of the Module

Writers: Raiza Marie C. Medina

Editors: Grace T. Balverde

Reviewers: Lorena J. Mutas

Illustrator: Raiza Marie C. Medina

Layout Artist: Raiza Marie C. Medina

Management Team: Malcom S. Garma, Director IV

Genia V. Santos, CLMD Chief

Dennis M. Mendoza, Regional EPS In-Charge of LRMS

Micah S. Pacheco, Regional ADM Coordinator

Loida O. Balasa, CID Chief

Grace R. Nieves, Division EPS In-Charge of LRMS

Lorena J. Mutas, Division ADM Coordinator

Printed in the Philippines by _____

Department of Education – National Capital Region

Office Address: Misamis St., Bago Bantay, Quezon City

Telefax: 02-929-0153

E-mail Address: depedncr@deped.gov.ph

Empowerment Technologies

Quarter 1 – Module 3: Online Navigation

Introductory Message

This Self-Learning Module (SLM) is prepared so that you, our dear learners, can continue your studies and learn while at home. Activities, questions, directions, exercises, and discussions are carefully stated for you to understand each lesson.

Each SLM is composed of different parts. Each part shall guide you step-by-step as you discover and understand the lesson prepared for you.

Pre-tests are provided to measure your prior knowledge on lessons in each SLM. This will tell you if you need to proceed on completing this module or if you need to ask your facilitator or your teacher's assistance for better understanding of the lesson. At the end of each module, you need to answer the post-test to self-check your learning. Answer keys are provided for each activity and test. We trust that you will be honest in using these.

In addition to the material in the main text, Notes to the Teacher are also provided to our facilitators and parents for strategies and reminders on how they can best help you on your home-based learning.

Please use this module with care. Do not put unnecessary marks on any part of this SLM. Use a separate sheet of paper in answering the exercises and tests. And read the instructions carefully before performing each task.

If you have any questions in using this SLM or any difficulty in answering the tasks in this module, do not hesitate to consult your teacher or facilitator.

Thank you.



What I Need to Know

This module was designed and written with you in mind. It is here to help you be skilled in doing contextualized research through online navigation. The scope of this module authorized it to be used in many different learning situations. The language used recognizes the diverse vocabulary level of students. Whereas the lessons are arranged to follow the standard sequence of the course. However, the order in which you read them can be changed to correspond with the textbook you are now using.

The module mainly focuses on one lesson:

- Lesson 1 - Online Navigation

Learning Competencies and Codes:

1. Use the internet as a tool for reliable research and information gathering to best achieve specific class objectives or address situational challenges. CS_ICT11/12-ICTPT-Ia-b-3

After going through this module, you are expected to:

1. Identify search engines to use in online navigation;
2. Recognize internet sites as a reliable and non-satirical source for research; and
3. Use the internet as a tool to gather information in creating reflective outputs.



What I Know

Choose the letter of the best answer. Write the chosen letter on a separate sheet of paper.

1. It is the process of interactively searching given words/terms to gather specific information.
 - a. Online Mission
 - b. Online Navigation
 - c. Online Expedition
 - d. Online Exploration
2. It is the most known and most used search engine.
 - a. Baidu
 - b. Yahoo
 - c. Google
 - d. Ask.com
3. Arrange the commands in the correct order when doing a contextualized online navigation:
 - I. Open the Google site, on the upper right side of the window, click the Google Apps icon and click search.
 - II. On the lower right part of the window, click Settings and the Google Search Settings pop-up list will appear.
 - III. Click Advanced search and the Advanced Search window will appear.
 - IV. Type the keywords that you would like to search and click the Advanced Search button
 - a. I, II, III, IV
 - b. I, III, IV, II
 - c. I, II, IV, III
 - d. I, IV, III, II
4. This term refers to the type of information that is relatively considered as fake, untrue and merely opinion-based.
 - a. Spoof
 - b. Satirical
 - c. Sardonic
 - d. Sarcastic

5. Which of the following cannot be considered as a guide in identifying the good source from the satirical source of information?
 - a. Check if the site is alleged as satirical
 - b. Ask someone knowledgeable and get to know the site
 - c. Always be cautious and read the contents of the source
 - d. Click any sites that appeared as a source of information
6. These are Software Systems designed to search information on the World Wide Web.
 - a. Search Bar
 - b. Search Tool
 - c. Search Engine
 - d. Search Application
7. The skill refers to the ability to produce good and continuous searches.
 - a. Thinking Skill
 - b. Learning Skill
 - c. Research Skill
 - d. Production Skill
8. This is collectively organizing gathered data and ensuring tracking of specific information.
 - a. Critical Thinking
 - b. Data Organizing
 - c. Research Presenting
 - d. None of the above
9. A skill that involves the ability to reflect and analyze on the information presented.
 - a. Critical Thinking
 - b. Data Organizing
 - c. Research Presenting
 - d. None of the above
10. This type of skill refers to the ability to express the information through creative writing.
 - a. Critical Thinking
 - b. Data Organizing
 - c. Research Presenting
 - d. None of the above
11. Which of the following can be considered as fake, untrue, and merely opinion-based?
 - a. Dr. Jose Rizal was the Philippines' National Hero.
 - b. Dr. Jose Rizal studied at Ateneo De Manila and University of the Philippines.

- c. Dr. Jose Rizal wrote a third book after Noli Me Tangere and El Filibusterismo.
 - d. Dr. Jose Rizal was born on the 19th day of June, not on 30th day of December.
12. Which of the following information can be considered as a true one?
- a. The 15th president of the Republic of the Philippines was Fidel Ramos.
 - b. The 15th president of the Republic of the Philippines was Gloria Arroyo.
 - c. The 15th president of the Republic of the Philippines was Joseph Estrada.
 - d. The 15th president of the Republic of the Philippines was Benigno Aquino III.
13. What do you think is the main reason why we online navigate?
- a. To be more technology-based.
 - b. To be more comfortable searching.
 - c. To be more precise on the information.
 - d. To be more dependent on the internet.
14. As a student, how can you apply your understanding on satirical news upon searching?
- a. Read and search.
 - b. Being observant.
 - c. Think before you click.
 - d. All of the above.
15. As a student, you are responsible when a specific information was presented to you. Which of these cannot be done upon searching?
- a. Ask someone knowledgeable and get to know the site.
 - b. Always be cautious and read the contents of the source
 - c. Click any sites that appeared as a source of information
 - d. Navigate around the internet, and check if the site is alleged as satirical

Lesson

1

Online Navigation

The manner of collectively searching for and saving requested information through the computer from databanks that are online is known as Online Navigation. Years ago, the traditional way of obtaining certain information is through books, which is very different from the online search on the internet. Online navigation is an attempt to be more precise in providing information based on a certain word.



What's In

Text Online navigation becomes a great match to the prevailing use and popularity of the smartphone age. Search engines also provide a system of giving the best and most appropriate results. Mobile phone application has been added to smartphones for quick, handy research and quicker school assignments. In this lesson, you are expected to use the Internet as a tool to gather specific information and depending on a given situation



Notes to the Teacher

Internet connection will be used in the following activities, primarily focuses on Search Engines.



What's New

Biology Navigate around the Internet and search for words describing the following:

1. Google
2. Baidu
3. Bing
4. Yahoo!



What is It

Search engines are software systems that are designed to search for information on the World Wide Web. The search results are generally presented in a line of results often referred to as search engine results pages. Examples of Search Engines are Baidu, Bing, Yahoo, DuckDuckGo and the most recognized engine Google. Google is the most known and most used search engine in the world. According to Net Market Share, 74.54 percent of the Search Engine Market has been acquired by Google.

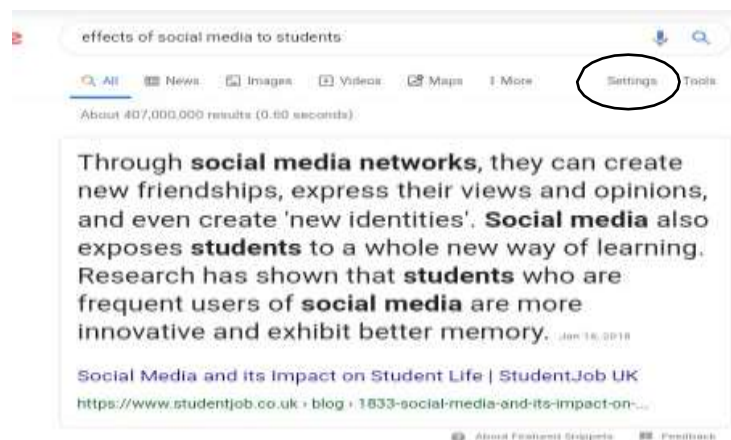
In this lesson, you are expected to online navigate and search for specific information using the Google Search Engine.

Steps in Online Navigation

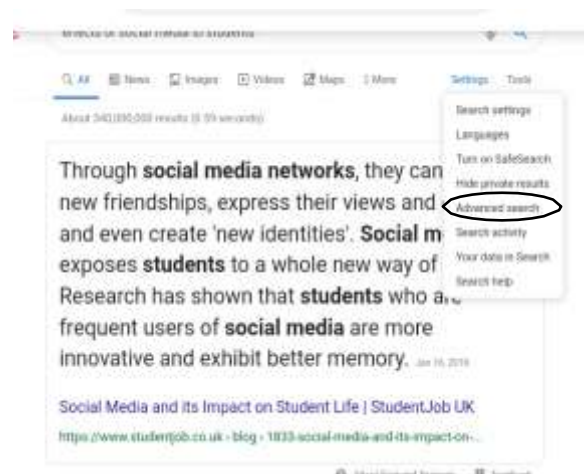
1. In your desktop, laptop or smartphones, open the browser and search Google and type the word, phrase or thought you want to search.



2. On the right part of the window, click setting and the google search settings pop-up list will appear.



Then proceed to
Advanced Search



3. Type the keywords that you would like to search and click the Advanced Search button. You can search through all the words that you've typed, or you can narrow it down to specific words.

Google

Advanced Search

Find pages with...

all these words: effects of social media to students

this exact word or phrase:

any of these words:

none of these words:

numbers ranging from: to

Then narrow your results by...

language: any language

region: any region

last update: anytime

site or domain:

terms appearing: anywhere in the page

SafeSearch: Show most relevant results

file type: any format

usage rights: not filtered by license

Advanced Search

Research Skills

In order to achieve or access what you are looking for, you need to improve yourself. As the old saying goes, “Practice Makes Perfect”. Good research is a product of multiple and continuous searches, here are some skills you can improve or adapt to:

1. Critical Thinking – As you search through the web, you must think very carefully about the information that you have gathered. Critical thinking involves the ability to reflect on the information presented to you.
2. Data Organizing – A good researcher can organize his/her collected data. As you collect those data, be sure to track where specific information is gathered.
3. Research Presenting – Part of your research is the actual writing, be creative and reflective in writing your search, explain every detail and step into achieving your objective.

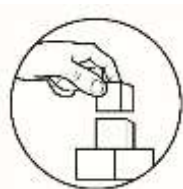
Remember that not all searches are good ones, some are considered as satirical or untrue. Here are some tips in identifying good searches from satirical searches.

1. If the contents of the source are too impossible to happen, or too good to be true, then there must be something wrong.

2. If the site started as a false site for public figures such as TV personalities or political figures, then uploaded stories from different sources, it is a satirical one.
3. If the site is unfamiliar and continuously popping ads, then it is satirical.

Examples of Satirical News

- a. The 2 years in K-12 Curriculum for Senior High School has been removed.
- b. President Duterte resigned as the leader of the Philippine nation.
- c. You can win 1 million pesos just by answering a given survey form.
- d. A certain actress/actor is alleged as pregnant being in another country for a long time.



What's More

Activity 1.1 Concept Paper

Your friend told you that the earth will melt a few years from now. As a student who knows how to navigate online, create a concept paper showing the validity or invalidity of your friend's statements.

In working with your concept paper, you may be guided by the sample content given.

- a. Title usually in question form.
- b. Brief overview of the research topic which includes information about the topic.
- c. Research question that the project seeks to answer, with one or two sentences.
- d. Discuss the importance of the research question and the importance of writing the project.
- e. A description of how the methods that the researcher plans to use to answer the research question.



What I Have Learned

1. What do you think are the advantages and disadvantages of relying on and applying online navigation in gathering specific information?

Advantages	Disadvantages

2. The internet offers a great source of information; however, how are you going to make sure that these pieces of information are reliable



What I Can Do

You have learned that the internet consists of a variety of information that can be readily accessible through search engines. Therefore, we do online navigation. But not all information is relatable to your topic and not all information can be readily accessed. As a learner, you now can gather specific details depending on the situation presented to you. Yet always be reminded that not all information is vital and not all information is a good one. As the generic saying goes, “Think, before you Click!” Being an individual, you must use these engines responsibly in order to achieve your objective.

Using your Social Media accounts, create a slogan or campaign regarding proper and responsible use of internet. Use the tag, “#ThinkBeforeYouClick!”.



Assessment

Multiple Choice. Choose the letter of the best answer. Write the chosen letter on a separate sheet of paper.

1. This term refers to the type of information that is relatively considered as fake, untrue and merely opinion-based.
 - a. Spoof
 - b. Satirical
 - c. Sardonic
 - d. Sarcastic
2. It is the most known and most used search engine.
 - a. Baidu
 - b. Yahoo
 - c. Google
 - d. Ask.com
3. Which of the following cannot be considered as a guide in identifying the good source from the satirical source of information?
 - a. Check if the site is alleged as satirical.
 - b. Ask someone knowledgeable and get to know the site.
 - c. Always be cautious and read the contents of the source.
 - d. Click any sites that appeared as a source of information.
4. It is the process of interactively searching given words/terms to gather specific information.
 - a. Online Mission
 - b. Online Navigation
 - c. Online Expedition
 - d. Online Exploration
5. Arrange the commands in the correct order when doing a contextualized online navigation:
 - I. Open the Google site, on the upper right side of the window, click the Google Apps icon and click search.
 - II. On the lower right part of the window, click Settings and the Google Search Settings pop-up list will appear.
 - III. Click Advanced search and the Advanced Search window will appear.
 - IV. Type the keywords that you would like to search and click the Advanced Search button
 - a. I, II, III, IV
 - b. I, III, IV, II
 - c. I, II, IV, III
 - d. I, IV, III, II

6. Which of the following can be considered as fake, untrue, and merely opinion-based?
 - a. Dr. Jose Rizal was the Philippines' National Hero.
 - b. Dr. Jose Rizal studied at Ateneo De Manila and University of the Philippines.
 - c. Dr. Jose Rizal wrote a third book after Noli Me Tangere and El Filibusterismo.
 - d. Dr. Jose Rizal was born on the 19th day of June, not on 30th day of December.

7. Which of the following information can be considered as a true one?
 - a. The 15th president of the Republic of the Philippines was Fidel Ramos.
 - b. The 15th president of the Republic of the Philippines was Gloria Arroyo.
 - c. The 15th president of the Republic of the Philippines was Joseph Estrada.
 - d. The 15th president of the Republic of the Philippines was Benigno Aquino III.

8. What do you think is the main reason why we online navigate?
 - a. To be more technology-based.
 - b. To be more comfortable searching.
 - c. To be more precise on the information.
 - d. To be more dependent on the internet.

9. As a student, how can you apply your understanding on satirical news upon searching?
 - a. Read and search.
 - b. Being observant.
 - c. Think before you click.
 - d. All of the above.

10. As a student, you are responsible when a specific information was presented to you. Which of these cannot be done upon searching?
 - a. Ask someone knowledgeable and get to know the site.
 - b. Always be cautious and read the contents of the source
 - c. Click any sites that appeared as a source of information
 - d. Navigate around the internet, and check if the site is alleged as satirical

11. These are Software Systems designed to search information on the World Wide Web.
 - a. Search Bar
 - b. Search Tool
 - c. Search Engine
 - d. Search Application

12. The skill refers to the ability to produce good and continuous searches.
- Thinking Skill
 - Learning Skill
 - Research Skill
 - Production Skill
13. This is collectively organizing gathered data and ensuring tracking of specific information.
- Critical Thinking
 - Data Organizing
 - Research Presenting
 - None of the above
14. A skill that involves the ability to reflect and analyze on the information presented.
- Critical Thinking
 - Data Organizing
 - Research Presenting
 - None of the above
15. This type of skill refers to the ability to express the information through creative writing.
- Critical Thinking
 - Data Organizing
 - Research Presenting
 - None of the above



Additional Activities

Technologies nowadays are readily available and easily accessible. Some industries even tried to create models of future technologies in different areas such as communication, health, and wellness, science, forensics, and military. Enhance your understanding of these technologies by online navigating these specific future technologies, make an e-portfolio and submit to your teacher through online platform. If internet is not accessible, you may have a plain portfolio and submit to your teacher for validation.

- iMicro
- OrCam MyMe
- Coffee power



Answer Key

Assessment
1. B
2. C
3. D
4. B
5. A
6. C
7. C
8. B
9. A
10. C
11. B
12. D
13. C
14. D
15. C

What I Know
1. B
2. C
3. A
4. B
5. D
6. B
7. D
8. C
9. D
10. C
11. C
12. C
13. B
14. A
15. C

References

Print Materials

Callo, Erwin R. 2017. Science in Today's World for Senior High School Empowerment Technologies. Quezon City: Sibs Publishing House Inc.

Jemma Development Group. 2017. Empowerment Technology. Cainta Rizal: Jemma Inc.

Online References

<https://freesvg.org/lined-sheet-of-paper-vector-image>

https://storage.needpix.com/rsynced_images/paper-2631126_1280.j

For inquiries or feedback, please write or call:

Department of Education - Bureau of Learning Resources (DepEd-BLR)

Ground Floor, Bonifacio Bldg., DepEd Complex
Meralco Avenue, Pasig City, Philippines 1600

Telefax: (632) 8634-1072; 8634-1054; 8631-4985

Email Address: blr.lrqad@deped.gov.ph * blr.lrpd@deped.gov.ph