The question was asked of the students, what do you know about Egypt? Most responded that they knew something about the pyramids, mummies, and hieroglyphics. They knew very little about the Egyptian culture today. However, they exhibited a great deal of interest about the subject. The discussions were quite animated and enthusiastic. A couple of students remarked that they and their parents had a desire to visit the country someday. There were many questions about Egypt and they listened attentively to the recount of my visit there this summer.

The students were asked to write a report on some aspect of Egypt that was of interest to them. Some of the suggested writing prompts they were given included: writing about the school system, women in society, pop Egyptian culture, mummification; comparing how the Egyptian society acknowledge their deceased in regards to the Mexican celebration of Dia Los Muertos, and ancient Egypt. The assignment was incorporated in the study of the history, concepts, and usage of the Internet for conducting research (the lesson plan is attached).

The educational experience of the students can always be enhanced by the addition of relevant subject matter, which stimulates the perception of our world at large. Due to the diverse profile of our western society and its ethnic distinctions, we can broaden the scope of students’ sensibility as it concerns the global human experience.


I. FOCUS & CONTENT

The Internet is often referred to as the information highway. It contains billions of documents on almost any subject you can imagine, from over sixty-five countries around the world. It is continuing to grow at an unimaginable rate even as you read this assignment.

Conducting searches on the World Wide Web can be a frustrating, time-consuming task if you are not familiar with how to conduct them. This exercise is designed to teach you how to conduct Internet searches efficiently. You will also familiarize yourself with at least five of the top Internet search engines on the WWW and learn what it takes to use them.

The Learning outcome will include activities where the students will complete reading exercises and tutorials from two websites to help them understand how to use the Internet. They will also learn how to access resources and information from various search engines. Students will be able to streamline their web searches to obtain specific information pertinent to our lesson.

OBJECTIVES

- Internet searches
- Format reports
- Analyze web sites
- Write essay
- Share essay with classmate and write an encouraging response
Utilize Internet tutorials
List some reasons for searching the Internet.
Describe different search approaches.
Define a search engine
Explain how search engines work.
Identify some of the more popular search engines.
List some of the specialty search engines.
Describe the subject directory search approach.
Describe some search tips and tricks.

III. CURRICULUM CONNECTION

Students recognize that computers and technology plays an important role in the lives of people. Just how much importance will be examined and explored through an introduction to the World Wide Web. Students will be able to conduct fruitful Internet searches enabling them to have the tools needed to research any subject area.

IV. INSTRUCTION

A. ENGAGEMENT
   a. Discussion of student’s prior knowledge and experience with using the Internet.
   b. Complete web-based Internet Tutorials.
   c. Students will access the Internet to further their research.

B. INSTRUCTIONAL SEQUENCE
   a. PowerPoint Presentation
   b. Examine and complete Internet Tutorials
   c. Answer questions to provoke critical thinking
   d. Analyze web sites for usability
   e. Cooperative Group Work
C. APPLICATION ACTIVITY

DAY 1

A. Read pages 242 – 249/take notes: “HOW DO I DO RESEARCH ON THE INTERNET”. The Key to a Successful Search, Why Search the Internet?, Introducing Search Engines, Keyword Searches, and Spamming. Complete all activities within each section. Ask for assistance if you need help.
   a. Define the first five vocabulary words on page 242/site examples and use the word in a sentence.

DAY 2

A. Conduct an Internet search using Infoseek
   a. Launch web browser and type the URL: www.infoseek.com
   b. In the Search box type “Egypt”
   c. The hits are displayed – 8,540

B. Read pages 250 – 257/take notes; “Special Search Engines”, Multimedia Search Engines, Meta-Search Engines, and “Subject Directory Searching”. Complete all Activities within each section. Ask for assistance if you need help.

DAY 3

   a. Review Summary, page 261/take notes as needed
   b. Define the first five vocabulary words on page 242/site examples and use the word in a sentence.
   c. Answer Lesson 15 Review Questions on pages 262 & 263
   d. For multiple choice questions write sentence and underline the answer.
   e. For true/false questions state whether the statement is true or false and change all false statements to reflect the correct answer.
   f. For the short answer statements fill-in and underline the answer.
DAY 4

A. Launch web browser and type the URL:
   http://www.chass.utoronto.ca/~zqingzhi/tutorials.htm “A Short And Easy Internet Search Tutorial”.
   a. Read the introduction, including sections 1 & 2
   b. Review Pandia’s 17 recommendations for Net searching at the bottom of this webpage.

B. Answer the following questions:

   \textbf{Questions}

   1. What are most people interested in finding on the Internet?
   2. What is the difference between a search engine and a search directory?
   3. Why do you think there are so many search tools?

C. Students will access the Internet to find materials to support their research. They will utilize their skills to formulate this data using the appropriate applications (i.e. PowerPoint, Excel, MS Word etc.)

D. Students will write a one-page essay reflecting on their learning experience.

\textbf{D. MATERIALS AND RESOURCES}

   a. Computer Lab
   b. Internet Access
   d. PowerPoint Presentation
   e. A Short And Easy Internet Search Tutorial
      http://www.chass.utoronto.ca/~zqingzhi/tutorials.htm

\textbf{V. ASSESSMENT STRATEGIES}

   a. Students will complete a comprehensive list of questions to assess their understanding of how to conduct effective Internet searches.
   b. Students will design and conduct various types of Internet searches.
c. Students' essays will be evaluated and graded.

VI. ACCOMMODATIONS FOR INDIVIDUAL LEARNERS
   a. Additional time to complete assignments
   b. Video Presentations
   c. Peer assistance

VII. EXTENTIONS
   a. Students will be able to evaluate different websites and determine which ones are more accommodating.
BUSINESS EDUCATION/COMPUTER DEPARTMENT
PowerPoint Presentation/Review

Use the best word or phrase from the list to complete the sentences below. Items may be used more than once. Not all words are used. (Time: 10 minutes)

<table>
<thead>
<tr>
<th>wildcard searching</th>
<th>Netscape Communicator</th>
<th>access</th>
<th>search directory</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beaucoup Website</td>
<td>Yahoo</td>
<td>program</td>
<td>Boolean searching</td>
</tr>
<tr>
<td>World Wide Web</td>
<td>super</td>
<td>phrase searching</td>
<td>database</td>
</tr>
<tr>
<td>search engine</td>
<td>search engine math</td>
<td>computer</td>
<td>Google</td>
</tr>
<tr>
<td>information</td>
<td>Internet</td>
<td>downloads</td>
<td>network</td>
</tr>
</tbody>
</table>

1. The World Wide Web is a huge ____________ of information that allows public access.
2. The Internet is sometimes referred to as the information ________________ highway.
3. The Internet provides ________________ to the World Wide Web.
4. The Internet is the largest ________________ (computers connected together) in the world.
5. A browser is a ________________ used on a computer connected to the Internet that provides access to the World Wide Web.
6. Two popular browsers are MS Internet Explorer and ________________
7. The two basic tools that you can use for finding information are ________________ and ________________.
8. ________________ is a popular search engine.
9. ________________ is a popular subject directory.
10. Two techniques for searching the web are ________________ and ________________.
11. Boolean Searching is a little more powerful than ________________.
12. You use ________________ which utilizes this symbol * when you are not sure of the spelling, or you want to search plurals or variations of a word.
How to Conduct Effective Internet Searches?

World Wide Wait

World Wide Web

The World Wide Web
A huge database of information that allows public access.

The Internet
The Information super highway provides access to the WWW
The Internet

- The Internet was originally developed for the government to enable researchers around the world to be able to share information.

- Today, it is the largest network (computers connected together) in the world.

Conducting searches on the World Wide Web can be a frustrating, time-consuming task if you are not familiar with how to conduct them.

This exercise is designed to teach you how to conduct Internet searches efficiently.

**Internet Terminology**

**Browser**

A program used on a computer connected to the Internet that provides access to the World Wide Web (WWW). There are two kinds of Web browsers: text-only and graphical. Graphical browsers are best because they allow you to see images and document layouts.

**Internet Terminology**

**Hits**

The number of returns on you keywords during a search on the web.

**Internet Terminology**

**Popular Browsers**

- MS Internet Explorer
- Netscape Communicator
There are two basic tools that you can use for finding information:

- Search Engine
- Subject Directories

A search engine is a software program. It is a tool used for searching the internet.

Search Engine

There are hundreds of search engines throughout the Internet. Most of them have some common search features.

Popular Search Engines:
- Excite
- Google
- AskJeeves
- Alta Vista
- Northern Light

Popular Subject Directories
- The Librarians Index at www.lii.org
- Yahoo at www.yahoo.com
- Galaxy at www.galaxy.com

Popular Specialty Web Sites:
- The Beaucoup Website: www.beaucoup.com
  - Contains links to more than 3,000 specialty search engines.
Downloads
To transfer a file from a remote computer to your computer through a modem and a telephone line.

Internet
A worldwide system of linked computer networks that eases data communication such as file transfer, e-mail, and newsgroups.

World Wide Web (WWW)
A global system that uses the Internet as its carrier. You navigate from "page" to page by clicking underlined links, which display other pages that contain their own links.

Phrase Searching
Used to search for words that must appear next to each other. For example, "basketball cards". More specifically, "basketball cards", "Shaquille O'Neal". You must enclose phrase in double quotation marks.

Search Engine Math
Math symbols may be used to enter a formula to filter out unwanted listings. For example.
• Put a plus sign (+) before words that must appear (an inclusion operator)
• Put a minus sign (-) before words that you do not want to appear (exclusion operator)
Examples of Search Engine Math
- carrot cake+recipes
- carrot cake+recipes-sugar
- carrot cake+recipes+sugar+honey

Boolean Searching
Consists of three logical operators
- And
- Not
- Or

Boolean Searching
is a little more powerful than search engine math

Boolean Searching
You're looking for relationships between words. The More you use AND the fewer hits you will receive.

Boolean Searching
The more you use OR the more results you will receive from your search.

Wildcard Searching
Use the * symbol, or asterisk, when you do not know the spelling of a word, or you want to search plurals or variations of a word.
**Title Searching**

Many major search engines allow you to search for the title of a Web page.

**Other Search Features**

related pages
similar pages
more pages like this

**Report on Egypt**

- Students will conduct a web search to obtain material and information for report.
- Examine three web sites pertaining to topic.
- Analyze web sites for content, graphics, language, etc

**Objectives**

- List some reasons for searching the Internet
- Describe different search approaches
- Define a search engine
- Explain how search engines work
- Identify some of the more popular search engines
- Describe some search tips and tricks
- Analyze web sites

**Classroom Activities**

- Discussion of students' prior knowledge and experience with using the Internet
- Complete web-based Internet Tutorials
- Compose a one-page essay, on the computer, reflecting on their learning experience, print and share with a classmate.

**Resources & Materials**

- Computer Lab
- Handout on "How to Conduct Internet Searches"
- Text: Basics/Computer Concepts
- PowerPoint Presentation
- Videos on conducting Internet Research
Assessments/Performances

- Students will complete a comprehensive list of questions to assess their understanding of how to conduct effective Internet searches.
- Students will design and conduct various types of Internet searches.
- Students' essays will be evaluated and graded.