Web Research

When you are assigned a paper or a project that requires research, where do you find information?

How do you know the information you find is valid?

Directions: Go to this website <http://www.classzone.com/books/research_guide/page_build.cfm?state=none&CFID=62284003&CFTOKEN=7ca364-000f3b68-28f1-11c3-a722-831aaae30000>

First, take the internet basics quiz and print out your score. Don’t worry if you didn’t get 100 – it’s just to see how much you know before you begin.

You are going to read through each of the Web Research Tutorials and answer the following questions on white-lined paper.

# Doing research on the Web

Library vs. Internet

1. Before reading this page, answer this: do you prefer to use the internet or the library for doing research? Why?
2. After reading this page, have you changed your mind about how you perform research? Why or why not?

Search Engines

1. Why is it that not all search engines deliver the same results?
2. The meta-search engine listed on the website is no longer running. Find two other meta-search engines and list them. What is the difference between a meta-search engine and a search engine?

Directories

1. What is a directory?
2. Why would you use a directory over a search engine?
3. Find a directory that will be useful to you in this program. Bookmark it and list the url.

Your Own Prior Knowledge

1. Chrome is a helpful tool because you can log in from any computer and retrieve all of your bookmarked pages. Start a folder of bookmarks for biotechnology. At the top of the browser page, click on the triple lines in the upper right hand corner. Be sure you are signed in under your gmail account. Put the cursor over where it says Bookmarks then click on Bookmark Manager when the menu pops up (the keyboard shortcut is Ctrl+Shift+O). On this screen, you will see all the pages you have bookmarked so far. In the top left side of the menu, you will see the word Organize. Click there then Add a New Folder. Title it Biotechnology. Drag any pages you have already bookmarked for biotechnology into that folder. Store any future websites that are helpful to you for this program in that folder.
2. Take 5 minutes to surf the web and add some websites to your biotechnology folder. Use the suggestions on the page as a jumping off point.

**You may skip the Search Tool Scavenger Hunt**

Creating a Search Strategy

1. Create a graphic organizer for creating a search strategy. Be sure to include the 5 steps and a brief description of each.

Refining Your Search

1. What are the three Boolean operators?
2. If you were searching for Vampire Weekend concert tickets and your first search on the terms Vampire Weekend didn’t get you the results you wanted, how would you refine your search?

Web Research Review

1. Reviewing what you have learned so far, how will you conduct internet searches differently from now on?

Activity: Create a Search Strategy

1. Using the graphic organizer you have created, create a search strategy from one of the topics listed.
2. Was your graphic organizer useful? Why or why not?

Evaluating Web Sites

1. Why do you think it is important to evaluate web sites?

Criteria for Evaluating Web Sites

1. Make a rubric using the 5 W’s to evaluate web sites. Create it in such a way that you can give a “score” to a web site. You will have to assign a point system to each category as well as a general description.

Learn More About the Parts of a URL Address

1. Identify and describe the three parts of a URL.
2. Out of the extensions listed, which one is the least reliable?

Activity: Evaluate the Content of a Web Site

Unfortunately, when you click next, the web site provides an error. Go to this link instead to perform the activity. <http://www.classzone.com/books/research_guide/page_build.cfm?content=activity_eval_site&state=none>

1. Instead of using the pdf they provide, use your own rubric and provide a score.
2. Was your rubric useful? Why or why not?

Activity: Guess the URL

Make a table as shown below to put in your answers

|  |  |  |
| --- | --- | --- |
|  | My guess | Actual URL |
| 1 |  |  |
| 2 |  |  |
| 3 |  |  |
| 4 |  |  |
| 5 |  |  |
| 6 |  |  |
| 7 |  |  |

Citing Web Sources

1. Do you have to cite websites?

Avoiding Plagiarism

1. What is plagiarism? List the definition given on the website.
2. What is paraphrasing? List the definition given on the website.
3. Now paraphrase what the website says about plagiarism and paraphrasing.
4. What is the difference between the plagiarized paragraph and the paraphrased paragraph?
5. When do you use quotation marks? How often should you use direct quotes?

Citation Guidelines and Examples

This site only discusses MLA style. We will be using APA style. Navigate to this site instead for this section. <http://owl.english.purdue.edu/owl/resource/560/01/> (Hint: This would be a good site to bookmark)

1. How do you make an in-text citation according to APA format?
2. How do you cite six or more authors in-text?
3. Where should the reference list go?
4. Which sources should be included in the reference list?
5. You submit a paper and have 5 in-text citations and 10 sources on the reference list. I take off points for improper format of Reference Page. Why?
6. Read through the Basic Rules for the Reference Page. Create a reference page for the following sources
   1. Biotechnology Textbook
   2. Biotechnology Lab Manual
   3. At the Bench Book
   4. One other book from class
7. Review the Reference List: Electronic Sources. Create a reference list entry for the following sources
   1. <http://owl.english.purdue.edu/owl/resource/560/10/>
   2. <http://www.classzone.com/books/research_guide/page_build.cfm?content=citing_examples&state=none>
   3. <http://www.scientificamerican.com/article.cfm?id=silver-makes-antibiotics-thousands-of-times-more-effective>

Internet Expert Quiz

Go back to the previous site you’ve been working on (<http://www.classzone.com/books/research_guide/page_build.cfm?content=postquiz&state=none>) and take the Internet Expert Quiz. Print out your answers.

What you are Submitting:

1. Score from Internet Basics Quiz.
2. Answers to all questions on this page.
3. Blank graphic organizer for search strategy.
4. Filled out graphic organizer from activity
5. Blank rubric for website evaluation.
6. Filled out website evaluation.
7. Print out of your biotechnology bookmarks page showing sources.
8. Score from Internet Expert Quiz.