

RESEARCH AND INFORMATION FLUENCY LESSON / SIMULATION TEACHER GUIDE PART 2

NETS RESEARCH AND INFORMATION FLUENCY STANDARDS

Students apply digital tools to gather, evaluate, and use information.

- Plan strategies to guide inquiry
- Locate, organize, analyze, evaluate, synthesize, and ethically use information from a variety of sources and media
- Evaluate and select information sources and digital tools based on the appropriateness to specific tasks
- Process data and report results



INTRODUCTION

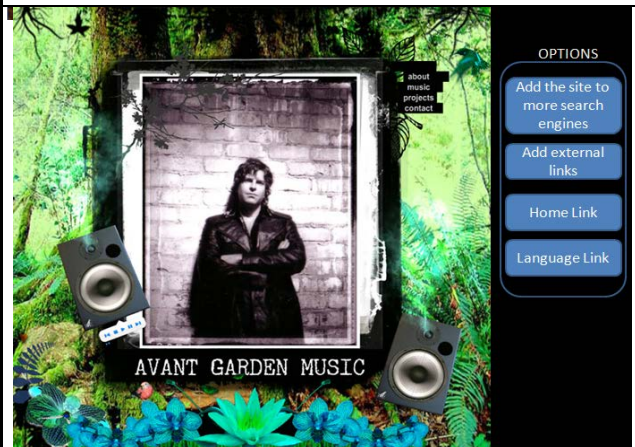
Students are invited to participate in a website building activity.

Guide	Illustration
<p>Good day, today we will be working on our 21st century net standards with a Tutorial on research and information fluency. It is important to understand these standards when you are working on your computer. The idea is to make you aware of the key factors when researching a topic or looking up information. Your objective is to begin the creation of a website.</p>	An illustration featuring the text "RESEARCH AND INFORMATION FLUENCY" and "Part 2: Building a Website" at the top. Below the text, a large green circle with a white right-pointing arrow is centered. In the foreground, the word "WEBSITE" is written in large, blue, 3D block letters. Several yellow construction cranes are positioned around the letters, appearing to lift them. The scene is set on a reflective white floor.

You have been selected to create a website. Your mission today, is to identify the tools that will make your website easy for others to find information and use as a research tool. In order to accept your mission, you must push the self destruct button.



Before we begin let's take a look at this music website, pretty basic right? As you look around the site you will notice a number of links to move or navigate through the website. Please select one of the link options that you think is missing to allow the user to navigate through the website with ease. ----- (Pause) the home link! This will allow users to easily navigate back to the home page at anytime.



Now it is time to select an image to go on your page that tells your user that the website is under construction. We have 3 options, please review....image 1 states that it is rated #1, image 2 states that it has been purchased 100 times, image 3 states that it is the most common image, and includes customer reviews. Think about which image you would select and why....(pause) let's review our options together image 1 is rated #1, do we know who has rated it #1? What about image #2 it says that it has been purchased 100 times, do we know who purchased this image 100times? And image #3 it states that this is the most common image; does it allow us to see reviews of the buyers? After looking at all 3 #3 is the correct image to choose. The key difference is that this image provides us with customer reviews so that we can see what other customers think about it.

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<p>Buy this one its rated #1</p>	<p>Buy this one its been purchased 100 times</p>	<p>Buy this one it's the most common. <u>customer reviews</u></p>

Great, let's continue planning our website. It is important when creating a website to provide your user with the tools to go through the website with ease. As we look at this website, the January research update, we are missing a key tool to make this website user friendly. Take a look at the options, an email, a blog, a table of contents, or an essay...which one of these options would make it easier for the user to move around the website, and why? A table of contents would make it easier for a user to move around the site, because it allows the user to see what topics are within the website.

We are well on our way, sometimes when creating a website we may encounter a word or vocabulary that we are unfamiliar with....for example web server...which of the following resources would you mostly find the meaning of web server? In a law dictionary, a computer dictionary, a contemporary quotations book, or a medical encyclopedia? In order to find the meaning of web server you would look at the computer dictionary

As we create our website we need to be able to look at information, or data that our website collects. Take a look at the chart shown....we need to find, or identify the most recent published sites. Which of the columns would give us this information? Hours taken, list of authors, date published, or average links? Remember we are looking for the most recent published sites.If we are looking for the most recent published sites we would select the column labeled date published. This provides us the month, day and year that each site was published.

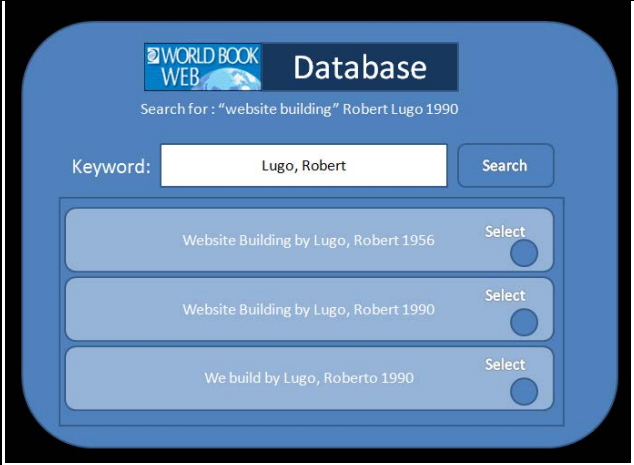
Web Server?

Website Database
Recent Published sites?

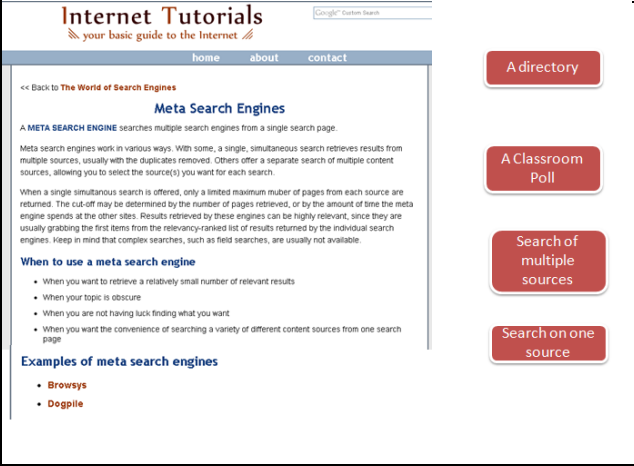
Date Created	Date Published	List of authors	Hours taken to create	Average links
10/12/2012	12/25/2012	32	24	15
5/13/2012	6/13/2012	56	26	56
2/5/2013	2/6/2013	89	45	89
12/1/2012	1/3/2013	21	78	36
1/1/2013	1/5/2013	6	56	45
2/1/2013	2/2/2013	9	23	89
12/2/2012	1/13/2013	4	54	23

Hours Taken List of Authors Date Published Average Links

When users are looking for your newly created website, it is important that they know how to search for it using a search engine. Take a look at this search engine....I am looking for a book called website building by Robert Lugo published in 1990. If I wanted to use this search engine to find this book, which of my entries would best do that? Let's eliminate a few choices, I can eliminate entry number 1 because it does not have the correct year the book was published, I can eliminate entry 3 because the title of the book and author are both incorrect. The correct entry would be #2 because it provides all the correct information, the title, the author and the year published.



When creating a website you will need to do some research to make sure that you have the latest information on your topic. It is important to be able to find key points when doing research. Please read through this write up on Meta Search Engines. Find the definition of Meta Search Engines. Your options are: a directory, a classroom poll, the search of multiple sources, or a search on one source. The correct answer is: "Search of multiple sources"

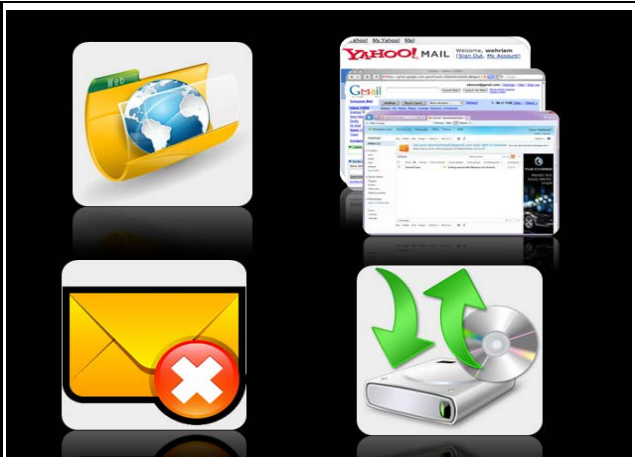


In our website we may need to use some information from another source. When using information that you received from another research website it is important to give credit to those sources, this is called a citation. You can quote a website by creating a bibliography or a work cited page. Follow the rules above...select the citation that is NOT correct...

Option # 3 is incorrect, the title is not in quotation marks, the website is not underlined, this is just to name a few things that are incorrect with this citation



As our websites starts to get hits, we will begin to receive emails with questions and suggestions. Let's take a look at where we will want to store this information. We have 4 options, on a web based storage which will save everything on an internet cloud, in several different email spaces such as yahoo, Google or hotmail, on our computer's hard drive, or we should just delete them all. Which one of these options is the best place to store our information and why? (Pause) Let's start by eliminating some of our options... several email spaces such as yahoo, Gmail and hotmail, this would make it very difficult for someone to stay organized and find information quickly. What about our computer hard drive, if we saved everything to our computer hard drive, we would eventually run out of space on our hard drive. So our final options are an internet cloud or to delete the information.....The cloud is the best place to store our information, because it allows us to have access to the information anytime, anywhere, without overloading our computer hard drive.



Finally as we are creating a website we may need to research some ideas. We want to select a resource that will give us reliable and current information. Of the 4 options which resource do you think would be more reliable and current?

The 3rd option: Website development is the correct answer...as you look carefully at the other options you will notice that some were published back in 1900 and you may have noticed that many had spelling errors. This is a great indication, or clue that those websites may not be very reliable.



Congratulations, please stay on this page and let your teacher know that you have completed part 2 of Research and information fluency.

