1st Career

[Image of the United States Marine Corps emblem and badge]
2nd Career

- Librarian
  - Academic - University of Mary Washington
  - Public - Rockbridge Regional Library
  - Special - George C. Marshall Research Library
    - Information Literacy Instruction since 1996
Presentation Objectives

- Review search syntaxes to search for:
  - Terms **on a webpage**
    - Boolean operators – AND / OR / -- (minus sign for NOT)
  - Terms **in a specific location** on a Web document
    - Title of the webpage
Presentation Objectives

- Webpages from a source, from only:
  - one top-level domain (.edu, .gov, .org)
  - Virginia k-12 school divisions, and
  - a single site; for example,

- Review use of “double quotation marks” to search for multiple search terms as phrases
Question!

Do your students believe:

- that Google understands the meaning of words in their search query, and
- that Google returns the best webpage as the first result?
Presentation Objectives

- Prove that Google does not …

  - …understand your search query,
  - …return the best results, and
  - …specifically, does not return the best result in the first result position.
Did Google understand your query in 2012?

“Google has a confession to make: It does not understand you. Google Fellow Amit Singhal says Google doesn’t understand the question.”

“ ‘We cross our fingers and hope someone on the web has written about these things or topics.’ ”

13 February 2012
Does Google understand your query in 2018?

- “Google has no idea what those words mean.”

- “It's merely looking for pages:
  - where those words,
  - their synonyms,
  - or even misspellings appear, and

  [returning] the most relevant [webpages].”
Testing **Google** Results

Watch this query in **Google**.

“scholarly collection” AND articles AND “Zionist history”
Testing Google

About 36,000 results 0.48 seconds

Jew Watch - References - Scholarly Histories of Jews
www.jewwatch.com/jew-references-scholarly-histories.html
The Jew Watch Project is the Internet's largest scholarly collection of articles on Zionist history. Free educational library for private study, scholarship, ...

Jew Watch - Organizations - World Zionist Organization
www.jewwatch.com/jew-organizations-WZO.html
World Zionist Congress Election Underway Jewish Post Article, 1997. The American Zionist Movement (AZM) announced that 149,400 American Jews, ...

Jew Watch, Domestic & Worldwide Zionist Criminality - USISLAM.ORG
The Jew Watch Project is the Internet's largest scholarly collection of articles on Zionist history. Free educational library for private study, scholarship, ...

Now that's what I call chutzpah: the Jewish contribution to the ...
https://www.telegraph.co.uk/.../Now-thats-what-I-call-chutzpah-the-Jewish-contribution-
May 22, 2011 - ... is the Internet's largest scholarly collection of articles on Zionist history... 1.5 billion pages serve to demonstrate our focus on professionalism.
Jew Watch - A Popular & Accurate Site?

Frank Weltner Presents...
This Scholarly Library of Facts about Domestic & Worldwide Zionist Criminality

Jew Watch

The Jew Watch Project Is The Internet's Largest Scholarly Collection of Articles on Zionist History
Free Educational Library for Private Study, Scholarship, Research & News About Zionism
We Reveal Zionist Banksters, News Falsifiers, PR Liars, Neocons, Subversives, Terrorists & Spies
The Jew Watch Project’s 1.5 Billion Pages Served Demonstrate Our Focus on Professionalism
An Oasis of News for Americans Who Presently Endure the Hateful Censorship of Zionist Occupation

Zionist Leon Trotsky of the Zionist USSR

Jew Watch's Futuristic Action Novel Keeps You Reading
Frank Weltner Was Brave Enough to Author This Novel.
Are You Brave Enough to Read It?

Was this result what you expected?

5,000+ DAILY JEW WATCH MAJOR PRESS NEWS ARTICLES

| Israel | Gaza | West Bank | Palestinians | Israeli Defense Force | Benjamin Netanyahu | Ehud Olmert | Settlements Policy | Tel Aviv | Lebanon | Iraq | Iran | Afghanistan | Syria | Saudi Arabia | Hamas | Hezbollah | Fatah | Jordan | Zionist | Zionism | AIPAC | Jewish Lobby | Goldman Sachs | False Flag Operations | Anti-Defamation League | Neocons | Terrorist | War on Terror | Israeli Genocide Against Non-Jews | Muslim | Jews | Christians United for Israel | Zionist Christianity | Jews in Christianity | Nazis | Racism | Hate Crimes | Zionist White House | Jewish Financiers | Russia's Jewish Oligarchs | Jewish Entertainers | Six Zionist Companies Own 96% of the Media | Zionist Federal Reserve System | Rothschild

ZIONIST CRIMES IN THE NEW AMERICAN USSR
Checking .edu Links to JewWatch.com

Google

link:www.jewwatch.com AND site:edu

Google Search I'm Feeling Lucky
Links to Jew Watch.com

About 211 results

The Google Dilemma

by J Grimmelmann - 2009 - Cited by 77 - Related articles
May 3, 2008 - about by looking at the pages that link to it, since there's no way it could .... number-one Google hit for a search on "jew" was jewwatch.com, ...

Specific Sites Excluded from Google.fr and/or Google.de: User Testing ...
asp-cyber.law.harvard.edu/filtering/google/list.html ▼
... (10/25/2002 11:47:16 AM); jewwatch.com - divergence: google.com indexes 265 pages, while google.de and google.fr index none (10/25/2002 12:45:44 PM) ...
Missing: link

[PDF] targeting white supremacy in the workplace - Stanford University
May 6, 2016 - conspiracy had a work connection; but the assailants were not employers, ...... Renaissance), Frank Weltner (publisher of Jew Watch, a defunct ...
The Power of **Links**

- “Unfortunately, libraries and other authoritative places [link](#) to the site, often as part of tutorials warning against sites like that. In turn, they inadvertently [pass on](#) authority to the site” [by [link](#)ing to it].

Danny Sullivan: *Google’s Public Search Liaison*
@dannysullivan
9:41 AM - 18 Dec 2017
Use of “Double Quotation Marks”

- **Google** expanded the capabilities of the quotation marks (“ ”) operator.

- Use double quotation marks on:
  - two or more terms (“ ”) to search for an exact phrase,
  - single terms to force Google to **match a single term exactly without synonyms**.
Keyword vs Phrase Search

Google

- smartphone addiction: About 92,200,000 results
- "smartphone addiction": About 65,400,000 results
## Keyword & Phrase Search

<table>
<thead>
<tr>
<th>Query</th>
<th># of Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>STEM lesson plans</td>
<td></td>
</tr>
<tr>
<td>“STEM lesson plans”</td>
<td></td>
</tr>
</tbody>
</table>
**Boolean Operators**

- Use the Boolean operators **AND** / **OR** / - (minus sign for NOT), to add or limit search terms that add specificity to your search query.

- Boolean operators are entered into the query in **UPPER CASE**.

  - If the **OR** operator is entered in lower case, Google ignores it.
Boolean AND Operator

- **AND** – All of the search terms / phrases are returned in the Web documents.
AND Boolean Operator

"smartphone addiction" AND "adolescent females"

Note that all the search terms are present of the results.
**Boolean AND Query**

<table>
<thead>
<tr>
<th>Query</th>
<th># of Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>STEAM AND STEM AND “lesson plans”</td>
<td></td>
</tr>
</tbody>
</table>

How To Create STEM Lesson Plans & STEM Activities  
https://www.steampoweredfamily.com/education/stem-lesson-plans/  
Jan 12, 2017 - Create engaging and highly educational lessons with these STEAM lesson plans.
**OR Boolean Operator**

- **OR** – At least one of the search terms / phrases are present in the webpage document.

![Diagram showing OR Boolean Operator with Venn diagram: College and University overlapping with OR between them]
“Nomophobia” is the modern fear of being unable to communicate through a mobile phone. www.ncbi.nlm.nih.gov

Note that “nomophobia” is returned only in the 1st result and “smartphone addiction” is returned only in the 2nd result.
<table>
<thead>
<tr>
<th>Query</th>
<th># of Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>STEAM OR STEM AND “lesson plans”</td>
<td>25</td>
</tr>
</tbody>
</table>
Boolean OR Query

Free STEM Lesson Plans - KitHub
https://kithub.cc/free-stem-lesson-plans/
Free **STEM Lesson Plans** for Elementary and Middle School. Hands-on activities that introduce students to science, technology, engineering and math.

STEM and STEAM Lesson Plans and Examples | Wikki Stix
https://www.wikkistix.com/stem-and-steam/
Apr 21, 2017 - Wikki Stix STEM and **STEAM Lesson Plans** and Examples! Wikki Stix are the perfect teaching tool.

STEAM in the Classroom - Lesson Plan | Art to Remember
https://arttoremember.com/lesson-plans/steam-in-the-classroom/
The video below contains two great **lesson plans** that show how you can successfully incorporate art into your **STEM/STEAM** classroom. Your students will love ...
### Boolean OR Query

<table>
<thead>
<tr>
<th>Query</th>
<th># of Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>STEAM -STEM AND “lesson plans”</td>
<td></td>
</tr>
</tbody>
</table>

Review the results; do you see STEM in any of the results?
Title Field Search

Syntax – intitle: (search terms)

Title Field Search (intitle:) – Returns results with the term or phrases in the webpage title.
intitle: Search Results

About 251 results

Scholarly articles for intitle:nomophobia AND adolescents AND research
A proposal for including nomophobia in the new DSM- ... - Bragazzi - Cited by 84
Exploring the dimensions of nomophobia: Developing ... - Yildirim - Cited by 17
... theoretical predictors of nomophobia using the Mobile ... - Argumosa-Villar - Cited by 9

The Relationship Between Nomophobia and... (PDF ... - ResearchGate
https://www.researchgate.net/.../322958763_The_Relationship_Between_Nomophobia_a...
Apr 2, 2018 - A total of 301 adolescents were employed for the study and the data were ... This article may be used for research, teaching, and private study ...

[PDF] www.jiires.net The Relationship between Levels of Nomophobia ... - Eric
by DM Gezgin - 2018
Apr 18, 2017 - This article may be used for research, teaching, and private study purposes. .... Adolescents try to escape feelings of loneliness, conflicts in their ...
intitle:“lesson plans" AND STEM AND “middle school”
Top Level Domain-Limited Search

- Top Level Domain-limited Search – Returns results from the top level domain specified in the query; for example, .edu, .gov, or .org.
Prevalence of Mobile Phone Dependence in Secondary School

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4668509/

by CS Nikhita - 2015 - Cited by 20 - Related articles

Nov 1, 2015 - New research has shown excessive use of mobile phones leading to ... of Mobile Phone Dependence (MPD) in secondary school adolescents. ... Use, Problem cell phone use, Mobile phone abuse and Nomophobia (a ...}

[PDF] The Relationship between Levels of Nomophobia Prevalence ... - Eric


by DM Gezgin - 2018

Apr 18, 2017 - Similarly, in a study conducted on adolescents from high schools in .... In this research, a questionnaire for demographics, a nomophobia scale, ...

Teens and “Nomophobia”: Cell Phone Separation Anxiety

https://teens.drugabuse.gov/blog/.../teens-and-nomophobia-cell-phone-separatic

Dec 9, 2015 - Award-winning research. Kashfia's study won third place and $1,000 in NIE Science Award competition in May. Read more about ...
Query

intitle:“lesson plans” AND STEM AND “middle school” AND site:edu
.gov Query

Query

intitle:“lesson plans" AND STEM AND “middle school” AND site:gov
intitle:“lesson plans” AND STEM AND “middle school” AND site:org
## Top Level Domains (TLDs)

<table>
<thead>
<tr>
<th>TLD</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>.com</td>
<td>Commercial</td>
</tr>
<tr>
<td>.edu</td>
<td>Educational</td>
</tr>
<tr>
<td>.gov</td>
<td>Government</td>
</tr>
<tr>
<td>.org</td>
<td>Organization</td>
</tr>
<tr>
<td>.us</td>
<td>United States</td>
</tr>
</tbody>
</table>

The Internet currently has **1,542** top-level domains (TLDs) as of June 12, 2018. [https://www.iana.org/domains/root/db](https://www.iana.org/domains/root/db)
Country-Code Top-Level Domain Searching

- Country-Code Top-Level Domain – represent specific geographic locations; for example: .ca represents Canada and .eu represents the European Union.
.ca ccTLD Results

Lesson Ideas - Education - STEM & STEAM Education - Library at ...
https://library.ucalgary.ca/c.php?g=255548&p=1702131
Aug 16, 2018 - Lesson Plans and Resources. You may want to begin by reading the article Six Characteristics of a Great STEM Lesson from Education Week ...

TechnoKids Computer Curriculum | Technology Projects Computer ...
www.technokids.ca/
We have computer lesson plans for kids in Kindergarten to Grade 12. ... TechnoKids technology projects blend ICT and STEM activities into curriculum. Lesson ...

STEM Connections | Aboriginal Access to Engineering
www.aboriginalaccess.ca/ resources/teaching-links/stem-connections
Nova Online is a great place for teachers to find lesson plans for any grade level. Most lessons deal with current scientific headlines. Teachers can introduce ...
Where do I find the ccTLDs?

https://www.iana.org/domains/root/db

https://bytelevel.com/map/ccTLD_large.html
Searching ERIC with Google

- Type of search query – **Site-limited** search of one website.

  - Restricts the results to only ERIC.ed.gov content

  - Syntax – **site:eric.ed.gov**

www.eric.ed.gov
Why should I do site searches?

- Quicker way to navigate a website
- Searcher can use Google syntaxes to define precisely the information need.
  - Boolean AND/OR
  - intitle: syntax
  - filetype:ppt and/or filetype:pdf
### Site-Limited Query

<table>
<thead>
<tr>
<th>Query</th>
</tr>
</thead>
<tbody>
<tr>
<td>“lesson plans&quot; AND STEM OR STEAM AND site:eric.ed.gov</td>
</tr>
<tr>
<td>intitle:STEM AND “lesson plans&quot; AND site:eric.ed.gov</td>
</tr>
</tbody>
</table>

2018 VSTE Annual Conference
## Site-Limited Query

<table>
<thead>
<tr>
<th>Query</th>
</tr>
</thead>
<tbody>
<tr>
<td>“lesson plans&quot; AND STEM OR STEAM AND site:nasa.gov</td>
</tr>
<tr>
<td>“lesson plans&quot; AND STEM OR STEAM AND site:iste.org</td>
</tr>
</tbody>
</table>
Useful Site-Limited Query

Another very useful site-limited search query.

- site:k12.va.us
**Query**

<table>
<thead>
<tr>
<th>STEAM AND “lesson plans” AND “high school” AND site:k12.va.us</th>
</tr>
</thead>
<tbody>
<tr>
<td>STEAM OR STEM “lesson plans” AND “middle school” AND site:k12.va.us</td>
</tr>
<tr>
<td>STEAM OR STEM “lesson plans” AND “elementary school” AND site:k12.va.us</td>
</tr>
</tbody>
</table>
Finding Full-Text Documents

The PDF Filetype-Limited Search

- Syntax `filetype:pdf`
PDF-Limited Results

1. [PDF] Linking Loneliness, Shyness, Smartphone Addiction ... - CiteSeerX
   cite.seerx.ist.psu.edu/viewdoc/download?doi=10.1.1.826.6528&rep=rep1...
   by M Bian - 2015 - Cited by 100 - Related articles
   roles of the smartphone usage patterns and smartphone addiction on social capital. Literature Review.
   Smartphone addiction. Addictive mobile phone use can ...

2. [PDF] Classifying Nomophobia as Smart-Phone Addiction Disorder
   https://escholarship.ucop.edu/content/qt0pq332g4/qt0pq332g4.pdf
   by D Tran - 2016 - Cited by 1 - Related articles
   Jan 1, 2016 - literature review summarizes previous research on smartphone addiction ..... The relationship between life stress and smartphone addiction on.

3. [PDF] The Distinct Psychology of Smartphone Usage Shiri Melumad ...
   by S Melumad - 2017 - Related articles
   literature review on post-adoption mobile Internet usage. For example ... research outside of marketing that examines “smartphone addiction”; next, I review the.
<table>
<thead>
<tr>
<th>Query</th>
</tr>
</thead>
<tbody>
<tr>
<td>STEM AND &quot;lesson plans&quot; AND site:eric.ed.gov AND filetype:pdf</td>
</tr>
</tbody>
</table>
File types Indexable by Google

- Other useful file types:
  - Microsoft Excel (.xls, .xlsx)
  - Microsoft PowerPoint (.ppt, .pptx)
  - Microsoft Word (.doc, .docx)

Finding Animated Images

On Google homepage, select **Images**.
Finding Animated Images

Google Images

Mars
When results are returned, select: Tools...Type...Animated.
Select and Copy Image

Right click and select Copy image.
MARS FACTS / VOLUME

It would take more than six of Mars to fill the volume of Earth.

#JOURNEYTOMARS
mars.nasa.gov
Journal of STEM Teacher Education

Ryan A. Brown & Allison Antink-Meyer
Co-Editors

The Journal of STEM Teacher Education, formerly the Journal of Industrial Teacher Education, publishes high quality research and theoretical articles as well as position papers concerning the education of pre-service and in-service teachers in a variety of settings. The journal is concerned with how to understand and support STEM-related knowledge and practices among Career and Technical Education (CTE) teachers, informal STEM educators (e.g. museums, libraries, maker-spaces, etc.), and formal K-20 classroom teachers. Authors are encouraged to submit manuscripts that report classroom, curricular, and conceptual innovations in teacher education that emphasize the interdisciplinary nature of STEM-related disciplines. The Journal of STEM Teacher Education is an open access, peer reviewed journal with high standards for publication. All manuscripts which report data or participation by human subjects must include appropriate oversight by Institutional Review Boards.
Recommendation for Searching

- Begin with a title field search - **intitle: “your topic”**
- Add Boolean expressions – **AND** or **OR**
- Limit the results to a top level domain or country with **site:**
  - Associations or Organizations - .org
  - Educational Institutions - .edu
  - U.S. Government - .gov
- Specific website
  - site:k12.va.us or .site:eric.ed.gov