Advanced Web Searching for Teacher-Librarians

Paul Barron

pbbarron@gmail.com and paul@duckduckgo.com

All Right Reserved. This presentation may be copied and distributed for nonprofit educational purposes only.
Revised and Sites Checked October 2016
Presentation Objectives

- Review search syntaxes to search for:
  - Terms on a webpage
    - Boolean operators – AND and OR
  - Terms in a specific location on a Web document
    - Title of the webpage
  - Webpages from a source
    - Only one Top Level Domain (TLD)
Presentation Objectives

- Webpages from a source (continued)
  - Find results from only k12.va.us school divisions
  - Limit results to a single site; for example, ERIC

- Review use of “double quotation marks” to search for:
  - Multiple search terms as phrases
  - Exact match of only one search term
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 Search

About 3,750,000 results

Scholarly articles for **reading instructional strategies**

**Instructional strategies** for content-area **reading** … - Bryant - Cited by 93

Active Learning: 101 **Strategies** To Teach Any Subject. - Silberman - Cited
Phrase Search

"reading instructional strategies"

About 12,900 results

Reading Instructional Strategies: Resources for Adult Educators...
www.pbslearningmedia.org/collection/ristrat/
This collection of video segments produced by KET provides resources for teaching reading in the adult education classroom. In this collection, you will find individual lessons tailored to teaching specific strategies such as questioning, repeated reading, and summarizing.
Your turn to search!

<table>
<thead>
<tr>
<th>Query</th>
<th># of Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>reading literacy</td>
<td></td>
</tr>
<tr>
<td>reading AND literacy</td>
<td></td>
</tr>
<tr>
<td>“reading literacy”</td>
<td></td>
</tr>
</tbody>
</table>
Boolean Operators

- Using the Boolean operators **AND** or **OR**, add more search terms to further describe your topic.

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

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

- **AND** – Both of the search terms are present in the Web documents.
AND Boolean Operator

The phrase “reading instructional strategies” and “elementary school” shall be returned in the search results.
About 6,320 results

[PDF] Effective Reading Instruction - Pearson
Selena is a college student preparing to become an elementary school ..... Using assessment data to inform the selection of reading instructional strategies.

[PDF] Reading Instructional Strategies DIFFERENT
www.nwmissouri.edu/.../Ryan,%20Heather.pdf
Northwest by H RYAN - 2013 - Related articles reading instructional strategies that have been model. .... Beginning from the early days of elementary school and ending with high ...

Reading Strategies in the Elementary Classroom - Lakeland University
https://lakeland.edu/.../283-reading-strategies-in-the-elementary-c... Lakeland University
Mar 22, 2016 - ... the library on the second floor of Longfellow Elementary School in ... 792 Reading: Instructional Strategies taught by Geralyn

Note that all of the search terms were returned in the results.
Your turn to search!

<table>
<thead>
<tr>
<th>Query</th>
<th># of Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>“elementary school” AND booklist</td>
<td></td>
</tr>
<tr>
<td>“elementary school” AND booklist AND fiction</td>
<td></td>
</tr>
<tr>
<td>“elementary school” AND booklist AND fiction AND “read aloud”</td>
<td></td>
</tr>
</tbody>
</table>

If you are a middle or high school librarian, substitute “middle school” or “high school” in the query.
OR Boolean Operator

- OR – At least one of the search terms is present in the webpage document.
OR Boolean Operator

“reading instruction” AND "lesson plans" OR "curriculum guides" AND "middle school"

- Both may appear but at least one of the search phases, "lesson plans" or "curriculum guides" must appear in the search results.
OR Boolean Operator Results

Harrisonburg City Public Schools - Teacher Reading Resources
web.harrisonburg.k12.va.us/languagearts/index.php?page=teacher-resources
Middle School ... VDOE Lessons for Reading Instruction ... English SOL Vocabulary Resources - This Web page highlights lesson plans from the English ...

[PDF] The Reading K-5 Binder - York County School Division
www.gslb.ycsd.york.va.us/parents/parentResources/curriculum/readingK-5.pdf
Reading Instruction That Works: The Case for Balanced Teaching, Michael .... By 2014, the difference in the SOL Pass rates African ... YCSD English Curriculum Guides amplify the equip ..... Lesson Plans.

[PDF] Literacy Plan - Amherst County Public Schools
... a Difference Means Making it. Different: Honoring Children's Excellent Reading Instruction” ...... Virginia Department Middle School English .... http://www.readwritethink.org/classroom-resources/lesson-plans/guided-

Note that at least one of the search phrases appears in the results and both phrases are in the 2nd result.
<table>
<thead>
<tr>
<th>Query</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;middle school&quot; AND &quot;book recommendations&quot;</td>
</tr>
<tr>
<td>OR booklists</td>
</tr>
<tr>
<td>&quot;middle school&quot; AND &quot;book recommendations&quot;</td>
</tr>
<tr>
<td>OR booklists AND fiction OR non-fiction</td>
</tr>
<tr>
<td>&quot;middle school&quot; AND &quot;book recommendations&quot;</td>
</tr>
<tr>
<td>OR booklists AND fiction OR non-fiction AND boys OR males</td>
</tr>
</tbody>
</table>
Title Field Search (intitle:) – Returns results with the keyword or phrase in the webpage title.

Syntax – intitle:(search terms)
NOTE
The phrase library instruction appears in the title of the results.
Let's do a title field search!

<table>
<thead>
<tr>
<th>Query</th>
<th># of Results</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>intitle:</strong> booklist AND &quot;middle school&quot; AND nonfiction</td>
<td></td>
</tr>
<tr>
<td><strong>intitle:</strong> &quot;read aloud&quot; AND &quot;book recommendations&quot; AND &quot;elementary school&quot;</td>
<td></td>
</tr>
</tbody>
</table>
Why are intitle: searches important?

- Title tags define the document. The title of a webpage is one of the most important "on-page" factors considered by Google when ranking a webpage.
Top Level Domain-Limited Search – Returns results from the top level domain specified in the query; for example, .edu, .gov, or .org.
More Powerful than a Locomotive: Using Graphic Novels to Motivate...
www.yalsa.ala.org/graphic-novels-to-motivate...
by K. Cavigan - Cited by 17 - Related articles
Jun 14, 2011 - Graphic Novels and Struggling Male Adolescent Readers. I implemented a graphic novel book club at a middle school in central

Motivating Reluctant Readers through Graphic Novels: An Action...
https://ttu-ir.tdl.org/ttu-ir/bitstream/handle/2346/.../Schwertner_Afton_Thesis.pdf?...1
by A. Schwertner - 2008 - Cited by 2 - Related articles
(2003) stated that the term graphic novel was coined by artist/writer Will Eisner in 1978. A graphic novel is a book ... began to think of those students who were not motivated readers and those who didn't ...... having a group of male reluctant readers and female reluctant readers. ...... and creating middle school readers.

573 An Online Graphic Novel: Students' Experiences and Research
jolt.merlot.org/vol6no3/attack_0910.pdf
by B. del Albatelismo - Related articles
stimulate interest and motivation, where students learn .... and intrinsic reading motivation scores. .... significant difference in the number of books read by female and male students. ...... Motivating middle school readers: the graphic novel link.
# Let's do a TLD-Limited Search!

<table>
<thead>
<tr>
<th>Query</th>
<th># of Results</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>intitle:“read aloud” AND strategies AND &quot;best practices&quot; AND site:edu</code></td>
<td></td>
</tr>
<tr>
<td>“read aloud” AND strategies AND &quot;best practices&quot; AND site:edu</td>
<td></td>
</tr>
<tr>
<td><code>intitle:“read aloud” AND strategies AND &quot;best practices&quot; AND site:org</code></td>
<td></td>
</tr>
<tr>
<td>“read aloud” AND strategies AND &quot;best practices&quot; AND site:org</td>
<td></td>
</tr>
</tbody>
</table>
## 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 are more than 800 top level domains; to see a list go to:
http://www.iana.org/domains/root/db
k-12.va.us Limited Search

- Syntax – **site:k12.va.us**

```
booklist AND "middle school" AND nonfiction AND site:k12.va.us
```

Google Search  I'm Feeling Lucky
k-12.va.us Limited Search Results

About 56 results (0.28 seconds)

[PDF] Reading Olympians Booklist 2016-2017 (Middle School) by Norton

Reading Olympians Booklist 2016-2017 (Middle School). Champions LMS. White Fang. Jack London ... Non-Fiction. First Flight Around the World: The ...

Kids Recommend | Center for Teaching & Learning by Norton

Teachers read a lot of the books that we hope our students will, so we can make knowledgeable .... in general, their tastes in books aren't the same: at the middle-school level, the gender .... Gibbons, Gail Frogs and her other nonfiction books.

Battle of the Books / Overview - Loudoun County Public Schools by Norton

Aug 25, 2016 - Books that cover a number of genres are selected by reading specialists at each of the high schools. Different genres include fiction, nonfiction, ...
Let's do a TLD-Limited Search!

<table>
<thead>
<tr>
<th>Query</th>
<th># of Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;graphic novels&quot; AND reading AND motivation AND boys AND site:k12.va.us</td>
<td></td>
</tr>
<tr>
<td>&quot;read aloud&quot; AND recommendations AND site:k12.va.us</td>
<td></td>
</tr>
<tr>
<td>&quot;reading literacy&quot; AND skills AND games AND site:k12.va.us</td>
<td></td>
</tr>
</tbody>
</table>
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
ERIC Site-Limited Boolean AND Search

All results will be from the ERIC website.
NOTE

The 91 search results are from the ERIC database of educational research articles and the 2nd result is a full-text PDF; the 1st and 3rd results are only abstracts.
Recommendation for Searching

- Begin with a title field search - intitle: “your topic”
- Add Boolean expressions – AND or OR descriptors
- 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