

WHAT LIBRARIANS USE TO CREATE RESEARCH PATHFINDERS

When we create a pathfinder or start a research process, our goal is to search the largest number of sites possible in the most efficient way possible so we start with...

FYI: Everything on this list of resources works on both home and school computers.

Here is our current database list

- Project Muse: <https://muse.jhu.edu/> **[school network only]**
- EBSCO Host: <http://search.ebscohost.com/>
- JSTOR: <https://www.jstor.org/>

BEST way to search; {use Google; add the Chrome extension to your Chromebook}

- Always choose **“advanced search”**
- Always choose **“full text”**
- Whenever possible **use the largest number of search terms** so the search runs quicker and the results are more precise and relevant
- **Always read the abstract first** so you can tell if the article is relevant to your subject area
- **If you find the perfect academic article for your research and want more articles, go to the bibliography section of the article to look for new resources**

Finding specific articles quickly, two options

1. Type in the name of your article and add **pdf** at the end into Google [Bing is bad for research]
2. Add a Google Scholar Chrome extension to your Chromebook
3. Open World Cat screen, then type or copy & paste in name of article. <http://www.worldcat.org/advancedsearch>

FREE ACADEMIC DATABASES

1. Open Library [free eBooks digitized from the collection of the Boston Public Library]: <https://openlibrary.org/>

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2. 99 Free Academic Journals you can access online: <http://www.bestcollegesonline.com/blog/100-free-academic-journals-you-can-access-online/>
3. Directory of Open Access Books: <http://www.doabooks.org/doab?uiLanguage=en>
4. Elsevier Open Science article search: <https://www.elsevier.com/about/open-science>
5. European Open Access Books: <http://www.oapen.org/search?expand=subject&f1-subject=The%20arts>
6. The Open University: <http://www.oapen.org/home>
7. ResearchGate [very nice academics will email you their published articles for FREE]: <https://www.researchgate.net/home>
8. Academia.edu: <https://www.academia.edu/>
9. Free Science and Social Science academic articles search: <http://www.freefullpdf.com/#gsc.tab=0>
10. JURN: <http://www.jurn.org/#gsc.tab=0>
11. World Digital Resources LOC: <https://www.wdl.org/en/>
12. Journals for Free: <https://journals4free.com/>
13. Aesthetica: <http://www.aestheticamagazine.com/>
14. Highwire [Stanford University]: <http://highwire.stanford.edu/lists/freeart.dtl>
15. Public Library of Science [PLOS] : <https://plos.org/>

SURFACE AGGREGATION SITES

- Open Directory Project (ODP): web index that organizes websites by library classification and subject areas. New sites are added by librarians. Each contains a short summary of website including objective and subjective characteristics of the sites.
- The Conversation: short articles by academics on a variety of subjects” <https://theconversation.com/us>
- Best of the Web (BOTW): web index similar to ODP in structure. Works best for current topics
- Google Scholar: peer scholarly articles and citations many of which are available for download without subscription. To determine whether the article is available. **If there is a blue link notation on the RIGHT hand side of the article, it is likely to be available.** Chrome has a plugin for Google Scholar
- Popurls.com: News aggregator for the web. Includes sites like REDDIT, HP, NYT, Longform and other sites as well as YouTube.
- Longform: Aggregator which includes full length articles from National Geographic, Rolling Stone, The New Yorker, Atlantic, WSJ, NYT, and other periodicals. Archives includes modern short stories (George Saunders, David Foster Wallace), Interviews (Mel Brooks, Hannah Arendt), podcasts (Malcolm Gladwell, Jonathan Abrams). Works with Readability apps and has app for iPad
- Longreads: Very similar to Longform with excellent search and index features organized by The Atlantic.
- Wikipedia: Yes, that Wikipedia. **Use the table of contents links to go to the extended links and references sections for academic and news articles and sources cited within the entry.** Also very good for world languages. Use the Wikipedia page in that language then scroll down to the same areas for original articles in the language needed. Also great for original recordings, and public domain imagery.





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GHCHS Resources








- GHCHS school website: We turned the website into a research aggregator by archiving all our sources on the library section of the site. Just find the search screen at the TOP RIGHT. Type in the name of a subject like “French Revolution,” if we have made a pathfinder or custom search engine, the results will appear on the page. **[it worked before 2014; we’re working on it]**
- Infobase Video Streaming Library: <http://cvod.infobase.com/PortalPlayLists.aspx?wid=152237>
- Academic Resources page: Resources are organized by department and course.
- Single Subject Pathfinders: a collection of all student research requests in MS word format organized alphabetically by subject.
- GHCHS Library Blog: custom search engines, pathfinders, the library catalogue, online textbooks and more organized by subject, course and (in some cases) teacher.
- JSTOR: the free version that lets you load three articles every ten days via MYJSTOR
- EBSCO Host databases including Academic Search Premiere, Literary Resource Center, Points of View, History Reference Center

LAPL

The wealth of resources from Los Angeles Public Library grows every day. They added over 500 eBooks in the last week alone. Because the sources are so expansive, here is a list of the LAPL deep web databases BEST suited to your senior projects

Subject Area	Database Link (hyperlinked to image; Ctrl and left click mouse)	Background information
Art		Access gateway to art reference content that includes Grove Dictionary of Art, Oxford Companion to Western Art, Encyclopedia of Aesthetics and Concise Oxford Dictionary of Art Terms on all aspects of the visual arts.
English		Now includes Twayne's Author Series, Scribner's Writers Series and MLA (Modern Language Association). Covers more than 90,000 novelists, poets, essayists, journalists and other writers, with in-depth coverage of 2,000 of the most-studied authors.
General		Full text of over 300 U.S. and International news sources, including the Los Angeles Times, Los Angeles Daily News, Orange County Register, Chicago Tribune, New York Times, Wall Street Journal, Washington Post, Christian Science Monitor, USA Today, Boston Globe, Atlanta Journal/Constitution, and the Times of London
General		News and periodical articles on a wide range of topics: business, computers, current events, economics, education, environmental issues, health, hobbies, humanities, law, literature and art, politics, science, social science, sports, technology with many full-text articles.

WHAT LIBRARIANS USE TO CREATE RESEARCH PATHFINDERS

General		Pro and con arguments for a broad range of current social issues, providing facts, references, articles from many resources, and links to appropriate web sites.
General		Quick reference and scholarly articles from a broad range of subjects in over 100 titles that include key titles from the Oxford Companion series and the complete Oxford Dictionary of Quotations.
Music		Access gateway to music reference content that includes Grove Dictionary of Music and Musicians, Dictionary of Jazz, Dictionary of Opera, Oxford Companion to Music and Dictionary of Music on musicians, composers, musicologists, instruments, places, genres, terms, acoustics, and more.
Science		Online version of the standard encyclopedia with updated science and technology news, biographies, learning resources, study guides, and links to related web sites
Social Studies		A comprehensive collection of full-text periodicals, reference works, and primary source documents that give extensive coverage of the 20th century world. Additional historical resources are being added continually to expand the time frame from antiquity to the present.
Social Studies		Covers all areas of U.S. history from pre-colonial times to the present day through primary documents, original reference sources and newspaper/journal articles.
VAPA		Fine Arts and Music Collection (Gale/InfoTrac) 1* Collection contains more than 100 full-text magazines and journals providing resources for research in drama, music, art history, and filmmaking.

BEST EBOOK Solutions

SURFACE: [Google Books](#), [Project Gutenberg](#), [Internet Archives](#) and [Open Library](#): Partial or complete texts of many works are available through Google Books and Open Library. Student just need to type in the subject information. **If the text is available, it will automatically open.**

DEEP and FREE: [Overdrive](#) and [EBSCO eBooks \(LAPL and COLAPUBLIB\)](#)

SUBSCRIPTION: [Scribd](#) (\$8.95 per month includes audiobooks, academic articles and sheet music)

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FREE DATABASE LISTINGS WIKI [updated November 2016]

Name	Discipline(s)	Description	Access Cost	Provider(s)
AGRIS: Agricultural database	Agriculture	Covers agriculture, forestry, animal husbandry, aquatic sciences and fisheries, human nutrition, extension literature from over 100 participating countries. Material includes unique grey literature such as unpublished scientific and technical reports, theses, conference papers, government publications, and more.	Free	Produced by the Food and Agriculture Organization of the United Nations . AGRIS
Analytical sciences digital library	Analytical chemistry		Free	National Science Digital Library and the Analytical Chemistry Division of the American Chemical Society ^[12]
Anthropological Index Online	Anthropology	Index only (no abstracts or full-text).	Free	Royal Anthropological Institute ^[13]
Arachne	Archaeology , Art history	German language	Free	German Archaeological Institute & the University of Cologne ^[15]
Astrophysics Data System	Astrophysics , Geophysics , Physics		Free	Harvard University ^[20]
Bioinformatic Harvester	Biology , Bioinformatics	A meta search engine for 50 major bioinformatic databases and projects.	Free	Available from Liebel-Lab KIT Karlsruhe Institute of Technology
Europe PMC	Biomedical	A database of biomedical and life sciences literature with access to full-text research articles and citations. ^[56] Includes text-mining tools and links to external molecular and medical data sets. A partner in PMC International. ^[57]	Free	EMBL-EBI ^[58]
PubMed	Biomedical	A database primarily of references and abstracts on life sciences and biomedical topics	Free	National Institutes of Health and the U.S. National Library of Medicine ^[111]
Retina medical search	Biomedical	Biomedical resources with special focus for medical professionals. searches among physician level standard documents eliminating patient level materials.	Free	Retina medical search ^[116]

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ChemXSeer	Chemistry		Free	Pennsylvania State University ^[33]
PubChem	Chemistry		Free	National Center for Biotechnology Information and the U.S. National Library of Medicine ^[110]
Arnetminer	Computer Science	Online service used to index and search academic social networks	Free	Tsinghua University ^[16]
CiteSeer	Computer Science	Replaced by CiteSeerX .	Free	Pennsylvania State University ^[40]
The Collection of Computer Science Bibliographies	Computer science		Free	Alf-Christian Achilles ^[43]
dblp computer science bibliography	Computer science	Comprehensive list of papers from major computer science conferences and journals	Free	Produced by Schloss Dagstuhl - Leibniz Center for Informatics and University of Trier, Germany ^[50]
Semantic Scholar	Computer science	It is designed to quickly highlight the most important papers and identify the connections between them. It includes currently only computer science publications.	Free	Allen Institute for Artificial Intelligence ^[130]
CiteSeerX	Computer science, Statistics, Mathematics, becoming Multidisciplinary		Free	Pennsylvania State University ^[41]
National Criminal Justice Reference Service ^[97]	Criminology, Sociology	Abstracts of scholarly journal articles, agency and NGO reports, and conference proceedings	Free	United States Department of Justice, Office of Justice Programs ^[98]
EconBiz	Economics	EconBiz supports research in and teaching of economics with a central entry point for all kinds of subject-specific information and direct access to full texts.	Free	Produced by the ZBW- German National Library of Economics– Leibniz Information Centre for Economics (ZBW) ^[51]
NBER: National Bureau of Economic Research	Economics		Free	National Bureau of Economic Research ^[96]
RePEc: Research Papers in Economics	Economics		Free	Volunteer Collaboration ^[115]
ERIC: Educational Resource Information Center	Education	Education literature and resources. Provides access to over 1.3 million records dating back to 1966.	Free	Produced by the United States Department of Education . ^[55] Also available by subscription from OCLC , CSA .
Isidore	Humanities, social	Isidore is a platform of search allowing the	Free	Huma-Num ^[81]

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	science	access to digital data of Humanities and Social Sciences. It relies on the principles of Web of data and provides access to data in free access.		
OpenEdition	Humanities, social science	OpenEdition offers the academic community four international-scale publication and information platforms in the humanities and social sciences	Free	Cléo (UMS 3287) CNRS EHESS University of Avignon ^[101]
Directory of Open Access Journals	Journals	The Directory Of Open Access Journals (DOAJ) lists more than 10,000 open access journals (September 2014) in multiple research areas. ^[48]	Free	Lund University ^[49]
SciELO	Journals	SciELO is a bibliographic database and a model for cooperative electronic publishing in developing countries originally from Brazil. It contains 985 scientific journals from different countries in free and universal access, full-text format.	Free	FAPESP, CNPq and BIREME
Lingbuzz	Linguistics	A free archive of linguistics articles, with a focus on syntax, semantics, phonology and morphology.	Free	Center for Advanced Study in Theoretical Linguistics, University of Tromsø ^[87]
Citebase Search	Mathematics, Computer science, Physics	Semi-autonomous citation index of free online research	Free	University of Southampton ^[39]
CHBD: Circumpolar Health Bibliographic Database	Medicine		Free	University of Calgary ^[38]
GoPubMed	Medicine	GoPubMed, the first knowledge-based search engine for the life sciences industry.	Free	Transinsight ^[69]
HubMed	Medicine	An alternative interface to the PubMed medical literature database	Free	Alf Eaton ^[70]
MedlinePlus	Medicine		Free	Produced by the United States National Library of Medicine, the United States National Institutes of Health, and the United States Department of Health and Human Services ^[89]
AULIMP: Air University Library's Index to Military Periodicals	Military Science		Free	Air University ^[22]

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BASE: Bielefeld Academic Search Engine	Multidisciplinary		Free	Bielefeld University ^[23]
Google Scholar	Multidisciplinary		Free	Google ^[68]
Information Bridge: Department of Energy Scientific and Technical Information	Multidisciplinary	The Information Bridge: DOE Scientific and Technical Information provides free public access to over 266,000 full-text documents and bibliographic citations of Department of Energy (DOE) research report literature. Documents are primarily from 1991 forward and were produced by DOE, the DOE contractor community, and/or DOE grantees. Legacy documents are added as they become available in electronic format.	Free	United States Department of Energy, Office of Scientific and Technical Information ^[74]
Jurn	Multidisciplinary	Jurn is a free-to-use online search tool for finding and downloading free full-text scholarly works. In 2014 Jurn expanded beyond open access journals in the arts and humanities, to also index open journals in ecology, science, biomedical, business and economics. Jurn is actively curated and maintained.	Free	Jurn ^[84]
Mendeley	Multidisciplinary	The Mendeley research catalog is a crowdsourced database of research documents. Researchers have uploaded nearly 100M documents into the catalog with additional contributions coming directly from subject repositories like Pubmed Central and Arxiv.org or web crawls.	Free	Mendeley ^[90]
Microsoft Academic Search	Multidisciplinary	Provides many innovative ways to explore scientific papers, conferences, journals, and authors ^[95]	Free	Microsoft
OAIster	Multidisciplinary		Free	OCLC ^[100]
ORCID	Multidisciplinary	Provides a digital identifier for researchers that links research workflows such as manuscript and grant submission, lists and validates publications.	Free	ORCID Trust
SafetyLit	Multidisciplinary	Citations and abstracts of journal articles and	Free	SafetyLit Foundation ^[119] in cooperation with

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		reports from researchers working in the more than 35 distinct professional disciplines (architecture - zoology) relevant to preventing unintentional injuries, violence, and self-harm.		the Graduate School of Public Health, San Diego State University ^[120] and the World Health Organization's Department of Violence and Injury Prevention ^[121]
Science.gov	Multidisciplinary	A gateway to government science information and research results. Science.gov provides a search of over 45 scientific databases and 200 million pages of science information with just one query, and is a gateway to over 2000 scientific Websites.	Free	Science.gov Alliance, 18 scientific and technical organizations from 14 federal agencies that contribute to Science.gov. United States Department of Energy, Office of Scientific and Technical Information serves as the operating agent for Science.gov . ^[122]
Science Accelerator	Multidisciplinary	A gateway to results of DOE research and development and major R&D accomplishments of interest to DOE.	Free	United States Department of Energy, Office of Scientific and Technical Information . ^[123]
ScienceOpen	Multidisciplinary	Search engine for natural and physical sciences, social sciences, and humanities. Incorporates arXiv , PubMed , and SciELO . Integrated with ORCID for overlay and peer review services. All articles display Altmetric scores.	Free	ScienceOpen ^[125]
SearchTeam	Multidisciplinary	Students search together collaboratively for scholarly articles and resources	Free	Zakta ^[129]
WorldWideScience	Multidisciplinary	WorldWideScience is a global science gateway composed of national and international scientific databases and portals. WorldWideScience accelerates scientific discovery and progress by providing one-stop searching of databases from around the world. Multilingual WorldWideScience provides real-time searching and translation of globally dispersed multilingual scientific literature.	Free	The WorldWideScience Alliance, a multilateral partnership, consists of participating member countries and provides the governance structure for WorldWideScience. United States Department of Energy, Office of Scientific and Technical Information serves as the operating agent for WorldWideScience . ^[139]
Index Copernicus	Multidisciplinary science	Scientific journal database – the IC Journal Master List – contains currently over 2,500 journals from all over the world, including 700 journals from Poland. The journals registered in this database underwent rigorous, multidimensional parameterization, proving high quality. The Ministry of Science and Higher Education acknowledged the IC Journal Master	Free	Index Copernicus International ^[73]

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		List by placing it on the list of scored databases, for being indexed in IC JML journals get additional points in the Ministry's evaluation process. ^[72]		
PhilPapers	Philosophy		Free	PhilPapers ^[104]
INSPIRE-HEP	Physics, (High Energy)		Free	CERN, DESY, Fermilab, SLAC and IHEP ^[79]
INSPIRE-HEP	Physics, (High Energy)		Free	CERN, DESY, Fermilab, SLAC and IHEP ^[79]
Scientillion	Physics, Mathematics, Computer Science, Medicine	Search engine for physics and quantitative science. Combining article databases like Pubmed, ArXiv.	Free	Scientillion ^[126] and AussieEducator ^[127]
arXiv	Physics, Mathematics, Computer science, Nonlinear sciences, Quantitative biology and Statistics	Repository of electronic pre-prints of papers in the fields of mathematics, physics, astronomy, computer science, quantitative biology, statistics, and quantitative finance.	Free	Cornell University ^[18]
POPLINE	Population, Family Planning, Reproductive Health	POPLINE® contains the world's most comprehensive collection of population, family planning and related reproductive health and development literature. An international resource, POPLINE helps program managers, policy makers, and service providers in low- and middle-income countries and in development-supportive agencies and organizations gain access to journal articles and other scientific, technical, and programmatic publications.	Free	Knowledge for Health, Center for Communication Programs, Johns Hopkins Bloomberg School of Public Health ^[105]
Psychology's Feminist Voices	Psychology	An online, multimedia digital archive containing the profiles of 250 feminist psychologists who have shaped and continue to transform the discipline of psychology. Profiles are organized in two sections, "Women Past" and "Feminist Presence." All profiles on the Feminist Presence section contain original interview transcripts and video clips with the psychologist discussing their feminist development and academic career.	Free	Based at York University, Toronto, Canada. ^[109]
PubPsych	Psychology	PubPsych is a free information retrieval system	Free	Leibniz Institute for Psychology Information

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		for psychological resources. It offers a comprehensive and balanced selection of resources from a growing number of international databases with a European focus, covering the needs of academic and professional psychologists.		
CogPrints: Cognitive Sciences Eprint Archives	Science (General)		Free	University of Southampton ^[42]
Russian Science Citation Index	Scientific journals	A bibliographic database of scientific publications in Russian.	Free	Scientific Electronic Library ^[118]
SSRN: Social Science Research Network	Social science	Contains an abstracts database and an electronic paper collection, arranged by discipline.	Free	Social Science Electronic Publishing, Inc. ^[133]
VET-Bib	Social Science, Education	European vocational education and training (VET) literature	Free	European Centre for the Development of Vocational Training ^[136]
GENESIS	Women's history	Descriptions of women's history collections from sources in the UK, as well as women's history websites.	Free	London Metropolitan University ^[65]