

Discovering the World of Information for IB Extended Essay Success

**Workshop for the Year 5, English College in Prague,
15.3.2017**

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National Library of Technology

Why are we here today?

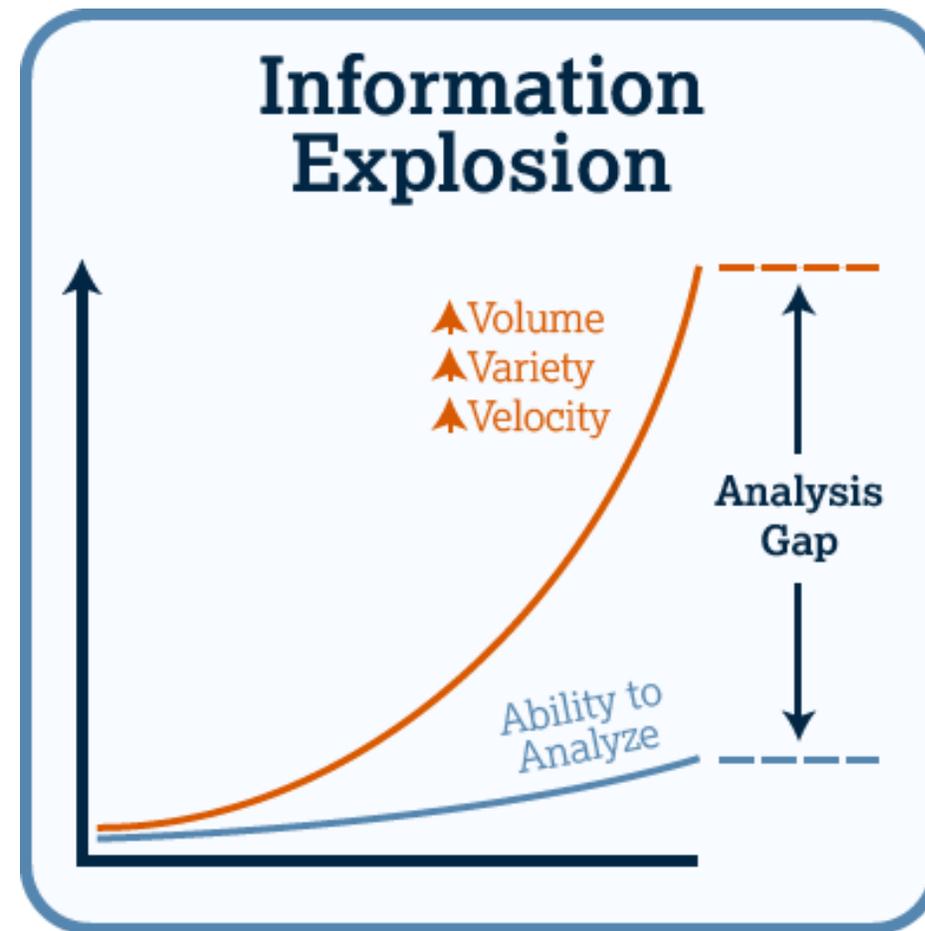
210 mm

- CRAAP
- Academic research
- Where to search
- What we (don't) have
- Searching tools
- Search engines

Evaluating information

210 mm

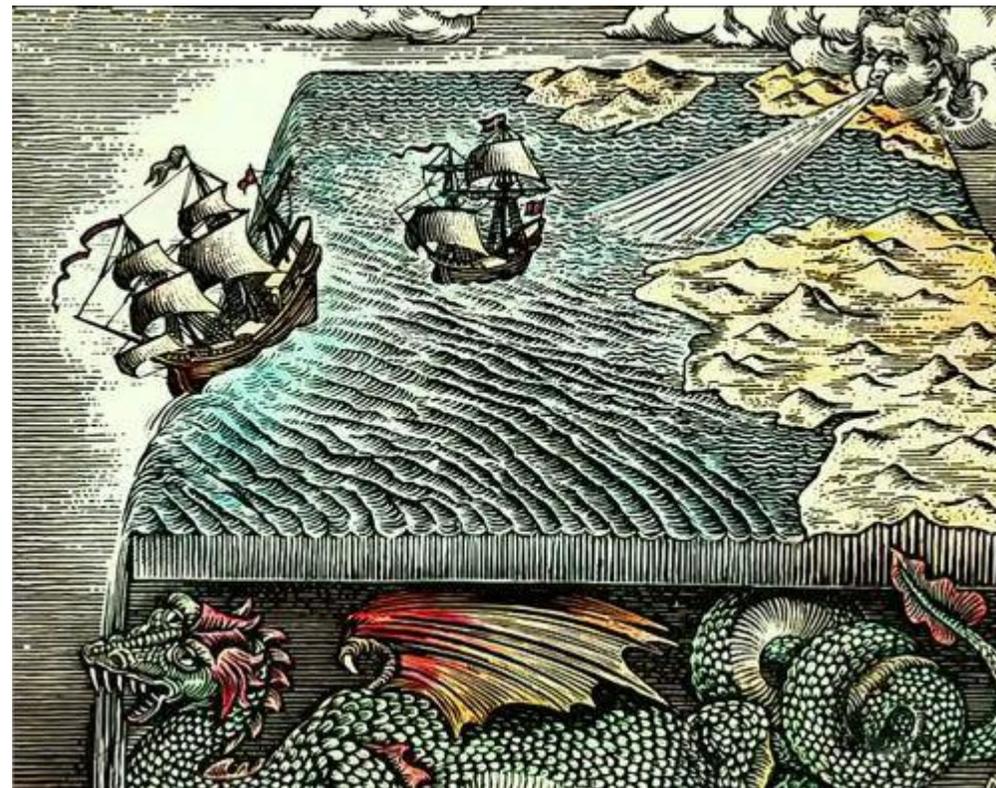
- When you search for information, you're going to find lots of it
- Is it good information?
- Different criteria will be more or less important depending on your situation or need
- **To be sure, follow the CRAAP**



Evaluating information (CRAAP)

210 mm

- **Currency: *The timeliness of the information.***
- When was the information published or posted?
- Has the information been revised or updated?
- Does your topic require current information, or will older sources work as well?
- Are the links functional?

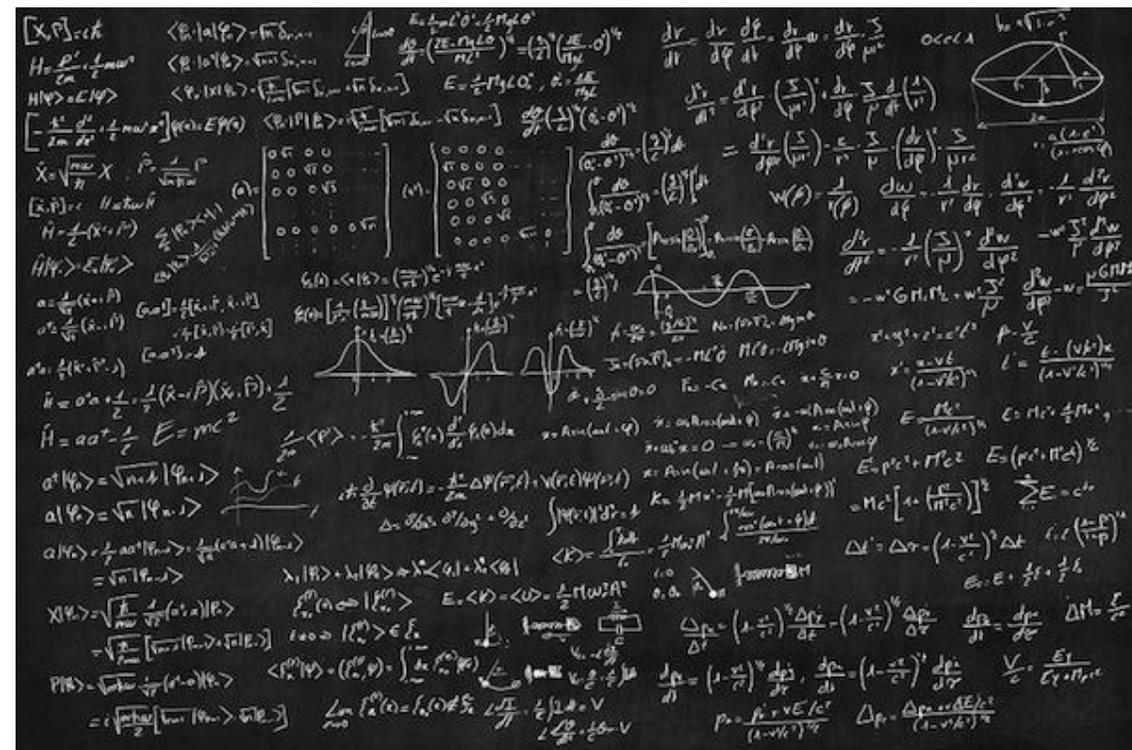


The Flat Earth Society: About [online]. [2017-03-01].
Available at:
<https://theflatearthsociety.org/home/index.php/about-the-society>

Evaluating information (CRAAP)

210 mm

- **Relevance: *The importance of the information for your needs.***
- Does the information relate to your topic or answer your question?
- Who is the intended audience?
- Is the information at an appropriate level (too elementary/advanced)?
- Would you be comfortable citing this source in your paper?



An average homeschooler: high school textbooks. *Samantha Field* [online]. 12. 12. 2013 [2017-03-01]. Available at: <http://samanthapfield.com/2013/12/12/an-average-homeschooler-high-school-textbooks/>

- **Authority: *The source of the information.***
- Who is the author/publisher?
- Is the author qualified to write on the topic?
- Is there contact information, such as a publisher or email address?
- Does the URL reveal anything about the author or source?

(.edu .gov .org)



Anonymous (@LatestAnonNews) | Twitter [online]. [2017-03-01]. Available at: <https://twitter.com/latestanonnews>

Evaluating information (CRAAP)

210 mm

- **Accuracy: *The reliability, truthfulness and correctness of the content.***
- Is the information supported by evidence?
- Has the information been reviewed or refereed?
- Can you verify any of the information in another source?
- Does the language or tone seem free of emotion?
- Are there grammar or typographical errors?



Dirk Riehle: *Switzerland According to CNN* [online]. [2017-03-01]. Available at: <http://dirkriehle.com/humorous-takes/fun-photos/ch-according-to-cnn.html>

Evaluating information (CRAAP)

210 mm

- ***Purpose: The reason the information exists.***
- What is the purpose of the information? Is it to inform, teach, sell, entertain or persuade?
- Do the authors make their intentions or purpose clear?
- Is the information fact or opinion?
- Does the point of view appear objective?

**Never confuse
OPINION
with
FACT**

MORE ABOUT CRAAP:

RAAB, Scot a Deborah CRAIG. *Evidence-based Practice in Athletic Training* [online]. B.m.: Human Kinetics, 2015 [2017-03-09]. Available at:
http://libguides.ius.edu/ld.php?content_id=20441226

Short exercise: OPINION or FACT?

210 mm

The Effects of Country Music on Suicide¹

This article assesses the link between country music and metropolitan suicide rates. Country music is hypothesized to nurture a suicidal mood through its concerns with problems common in the suicidal population, such as marital discord, alcohol abuse, and alienation from work. The results of a multiple regression analysis of 49 metropolitan areas show that the greater the airtime devoted to country music, the greater the white suicide rate.

How should it appear in the news?

- Immigrants spread country music to kill off the white population!
- Country music causes alcoholism and raises unemployment and divorce rates.
- Country music proved to be fatal for socially excluded individuals.
- Johnny Cash revealed to be a mass murderer.

¹STACK, Steven a Jim GUNDLACH, 1992. The Effect of Country Music on Suicide. *Social Forces* [online]. 9., 71(1), 211. ISSN 00377732. Available at: http://media.library.ku.edu.tr/reserve/resfall08_09/CSHS501_JDixon/the_effects_ofcountry_music.pdf



What's scholarship all about?

What's scholarship all about?

- Thorough KNOWLEDGE of issues being examined
- Use of primary sources or other research methods (i.e. controlled experiment)
- All claims, data can be traced back and verified
- Precise terminologies
- Goal: to present new findings, new ideas

Be critical and smart when conducting research!

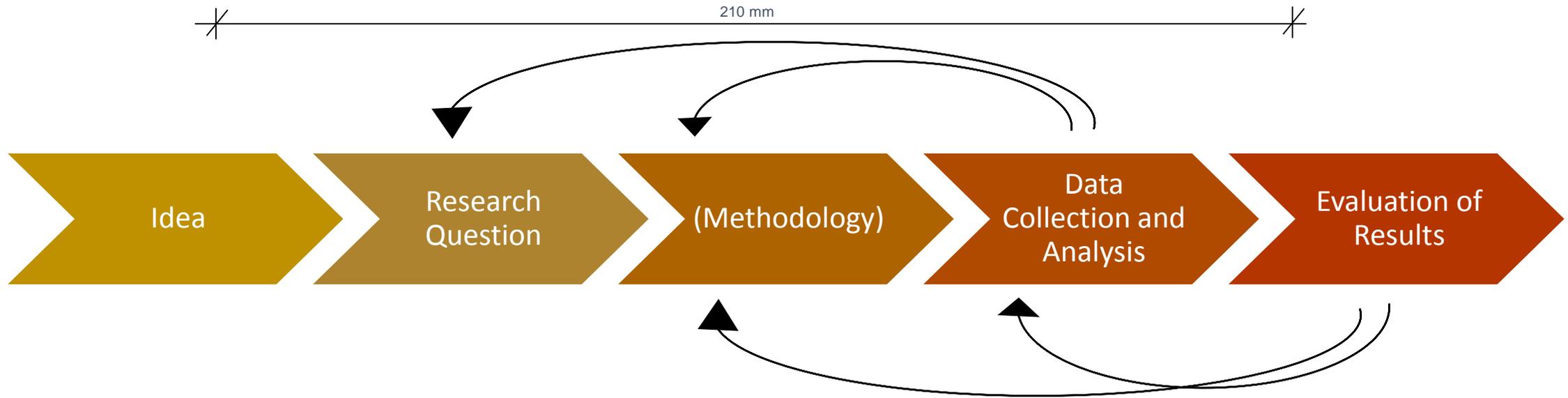
- books/articles/news/archive records/laws/technical norms/blueprints...
- printed/electronic
- written/visual/audio
- observation/interview/correspondance
- licenced/open access

But all them must be traceable and verifiable! (remember the CRAAP!)



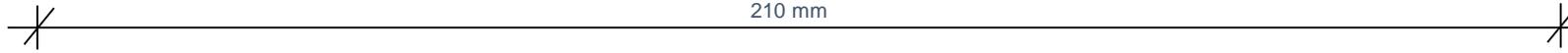
What happens when Knowledge Management crosses the line. *TIBCO blog* [online]. [2017-01-24]. Available at: <http://www.tibco.com/blog/2014/02/27/what-happens-when-knowledge-management-crosses-the-line/>

Research design



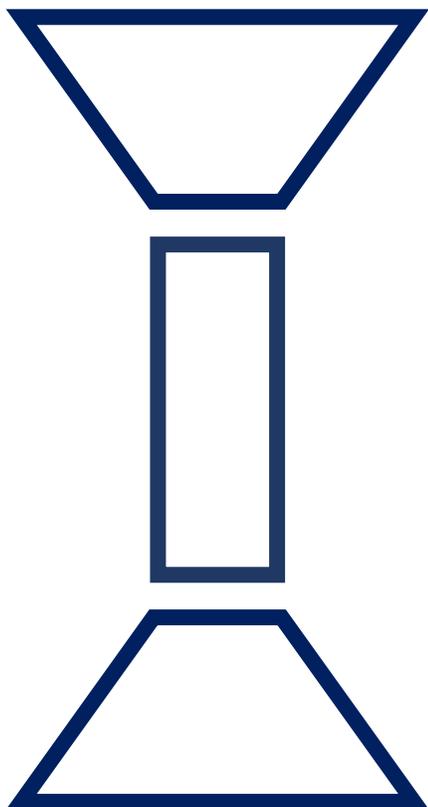
- Research is NOT a straight line: advancements both cause and are enhanced by refinement of the original plan// advancements are both a reason and a consequence of refinement of the original plan
- In other words: there's no moving forward without moving back

Academic writing – sample paper structure



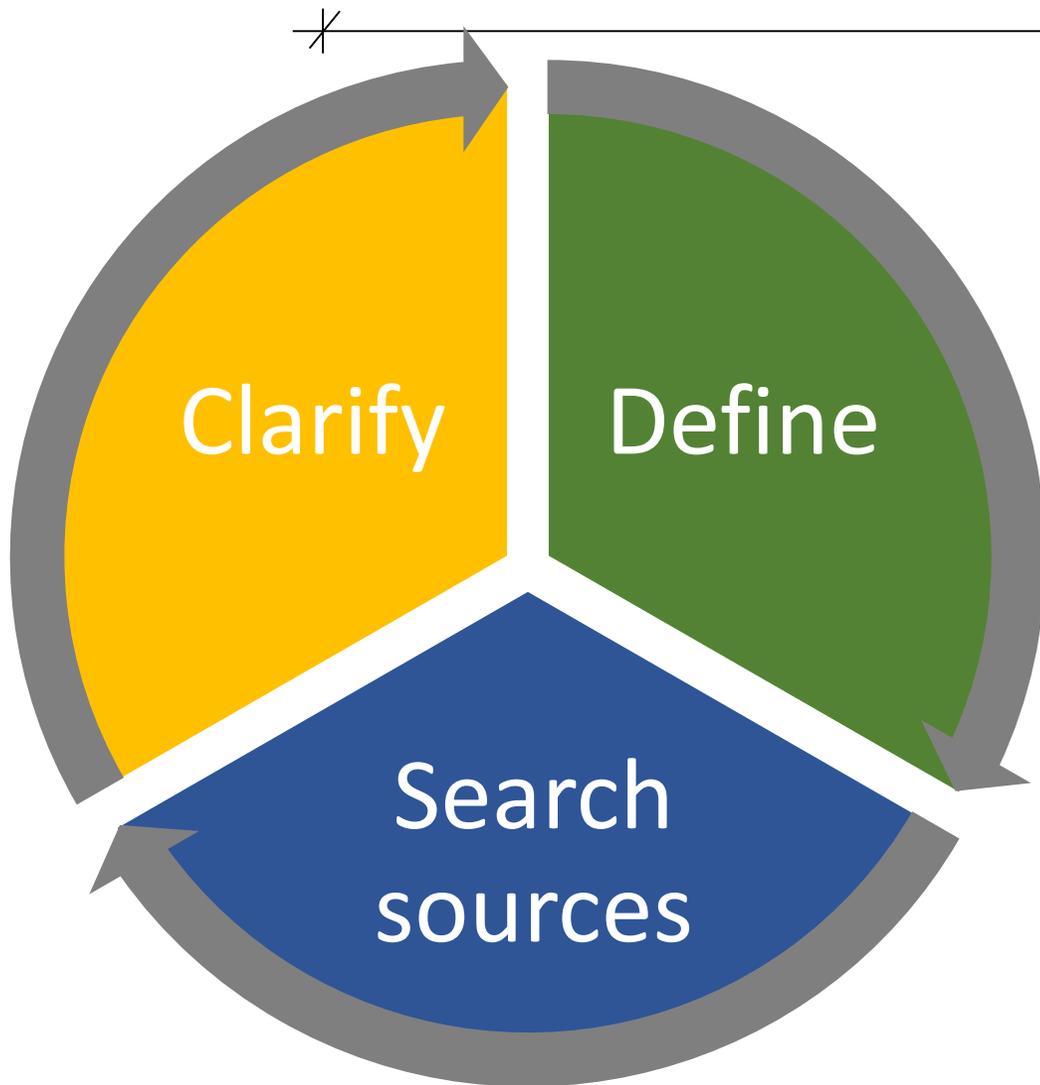
Academic writing – sample paper structure

210 mm



- Title
- Abstract
- Contents page
- Introduction
- Body (development/methods/results)
- Conclusion
- References and bibliography
- Appendices

Where to start?



- **Don't forget to cut the CRAAP**

Basic facts about a topic

210 mm

- [Encyclopædia Britannica](#), [AccessScience](#) – access after login to library website
- Highly useful for geography and statistical comparisons
- Easily citable, including images

The screenshot displays the website's navigation and content sections. At the top, there is a search bar with the placeholder text "What are you researching today?" and a magnifying glass icon. Below the search bar is a horizontal menu with four items: "ARTICLES", "DICTIONARY", "PRIMARY SOURCES", and "JOURNALS / PERIODICALS". To the right of the search bar, there are three vertical menu items: "ARTICLE BROWSE", "MEDIA BROWSE", and "BIOGRAPHIES".

The "RESEARCH TOOLS" section features three highlighted items in red boxes:

- World Atlas**: Search thousands of maps, flags, articles and statistics in this interactive World Atlas.
- Compare Countries**: A unique geography tool that gives you quick facts and statistics on any two countries side-by-side.
- World Data Analyst**: Comprehensive statistics on every nation of the world. Perform statistical comparisons between countries or explore changes over time.

The "ON THIS DAY" section includes a portrait of Otto von Bismarck and the following text:

The Second Reich
In 1871 the German Empire, forged as a result of diplomacy rather than an outpouring of popular nationalist feeling, was founded with [Otto von Bismarck](#) serving as its first chancellor.
[Read more](#)

A yellow callout box at the bottom right contains the text:

INTRODUCING MY RESEARCH!
Create a personal account to save, organize and annotate your favorite content and media
[Login / Register](#)

Our website a.k.a. „CRAAP filter“



chem^{TK} Czech Pavlina Tvrda -

Search Our Collections All

Or browse: [Catalog](#), [eBooks A-Z](#), [eJournals A-Z](#), [All eResources](#)

- What We Have
- Services & Support
- Culture & Events
- Who We Are
- Projects & Innovation

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œ	ž	Ÿ		ı	¢	£	¤	¥	!	\$	"	©	"	«	»	-	®	-	°	±	2	3	'	
µ	¶	·	.	'	°	»	¼	½	¾	¿	À	Á	Â	Ã	Ä	Å	Æ	Ç	È	É	Ê	Ë	Ì	
Í	Î	Ï	Ð	Ñ	Ò	Ó	Ô	Õ	Ö	×	Ø	Ù	Ú	Û	Ü	Ý	Þ	ß	à	á	â	ã	ä	
å	æ	ç	è	é	ê	ë	ì	í	î	ï	ð	ñ	ò	ó	ô	õ	ö	÷	ù	ú	û	ü	ü	
ý	þ	ÿ	fi	fl	-	-	-	-	-	-	-	Δ	Ω	μ	π	/	ℓ	Ω	e	ð	Δ	Π	Σ	
-	/	.	√	∞	∫	≈	≠	≤	≥	∅														



- NTK Hours: 8:00 - 18:00
- Getting Started
 - Team Study
 - Print, Scan, Copy
 - Wi-Fi
 - What's On

- Webmail
- Administration
- Wiki intranet
- Colourful intranet
- eLearning
- Main account page
- Patron account
- Reservation system
- Payment system
- Printing system
- Electronic Resources
- Complaints
- Change Password
- Change PIN
- Logout



Happy New Year 2017
We wish you a wonderful New Year. The regular opening hours are back.
1 / 4 Knowledge Navigation Corner →

News

- NTK in Architizer.com**
17. 10. – After seven years and still the top. According to [architizer.com](#) in article [Temples of Knowledge: 8 Unique National Libraries Across the World](#) by Eric Baldwin.
- Games in the Library**
16. 9. – You can play Donkey Kong, Super Mario, and other games (with more coming soon!) on the 2nd floor kiosks.
- New Print/Scan/Copy Machine on the Third**



Selected eResources

- [ebrary](#)
- [EBSCOhost](#)
- [Emerald Insight](#)
- [Encyclopedia Britannica](#)
- [IEEE Xplore](#)
- [IET.tv](#)
- [IOPscience](#)
- [nature.com](#)
- [ProQuest](#)
- [Sage Journals](#)
- [ScienceDirect](#)
- [SCOPUS](#)

Contact Us

- ✉ [Contact Form](#)
- ☎ [\(+420\) 232 002 535](#)
- ✉ info@techlib.cz



Quick Links

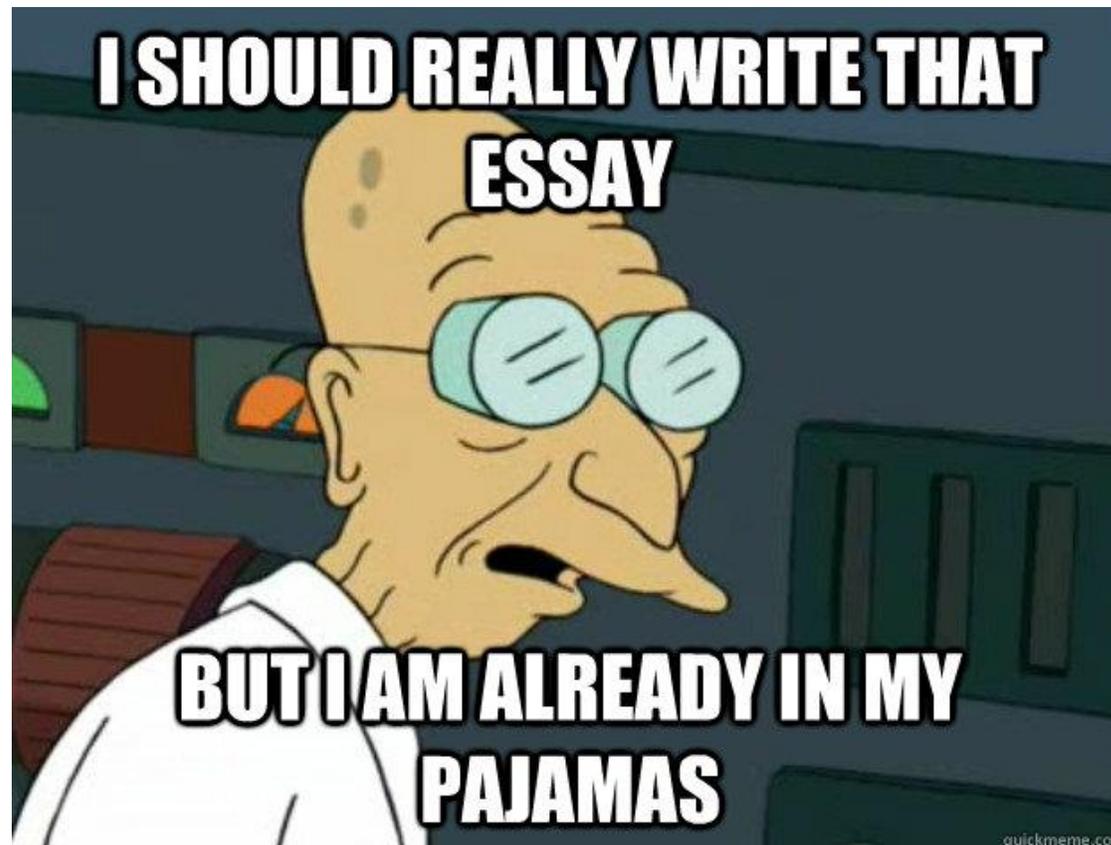
- [Consultations & Research Support](#)
- [Subject Guides](#)
- [Research Tools](#)
- [Become a Patron](#)
- [How to... \(tech guides\)](#)
- [Places to Study](#)
- [Suggest a Purchase](#)
- [Interlibrary Loan Services](#)
- [Conference Services & Rentals](#)



Do research in your pajamas

210 mm

- After login, our eResources are available to you 24/7, wherever you are

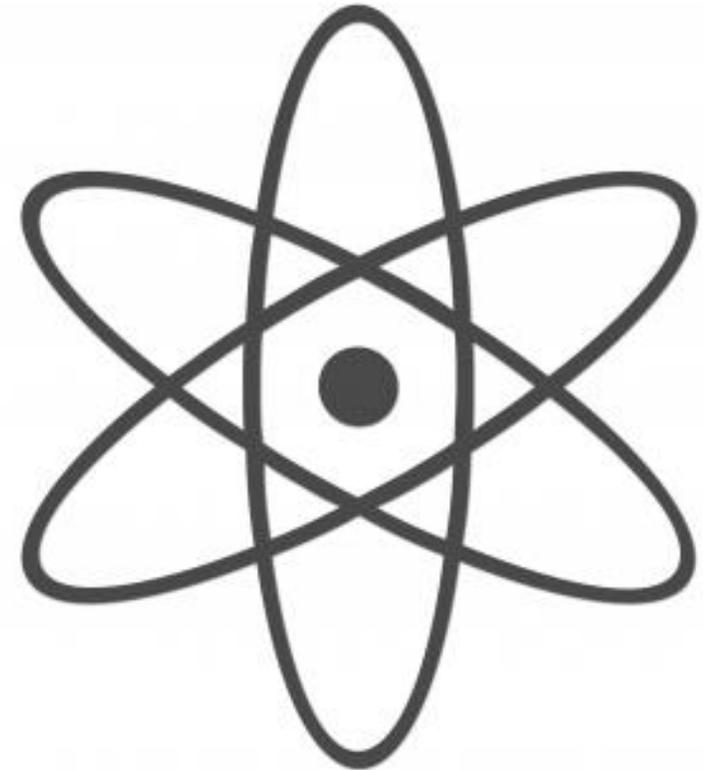


I should really write that essay But I am already in my pajamas. *quickmeme* [online]. [2017-01-24]. Available at: <http://www.quickmeme.com/meme/3uomkn>

Interdisciplinarity – what is it?

210 mm

- No discipline is hermetically sealed
- One topic might be considered from different perspectives
- Sciences might overlap with humanities and other disciplines
- It's cool to be inter-/multi-/transdisciplinary



Libraries of the world, unite!

210 mm

- Libraries share their resources via [Interlibrary loan \(ILL\)](#)
- Search Czech libraries: [Knihovny.cz](#)

- Search the world of science: [Google Scholar](#)
- Search freely accessible journals: [DOAJ](#)
- Search „academic PirateBay“: [SciHub](#)

Search like an expert

210 mm

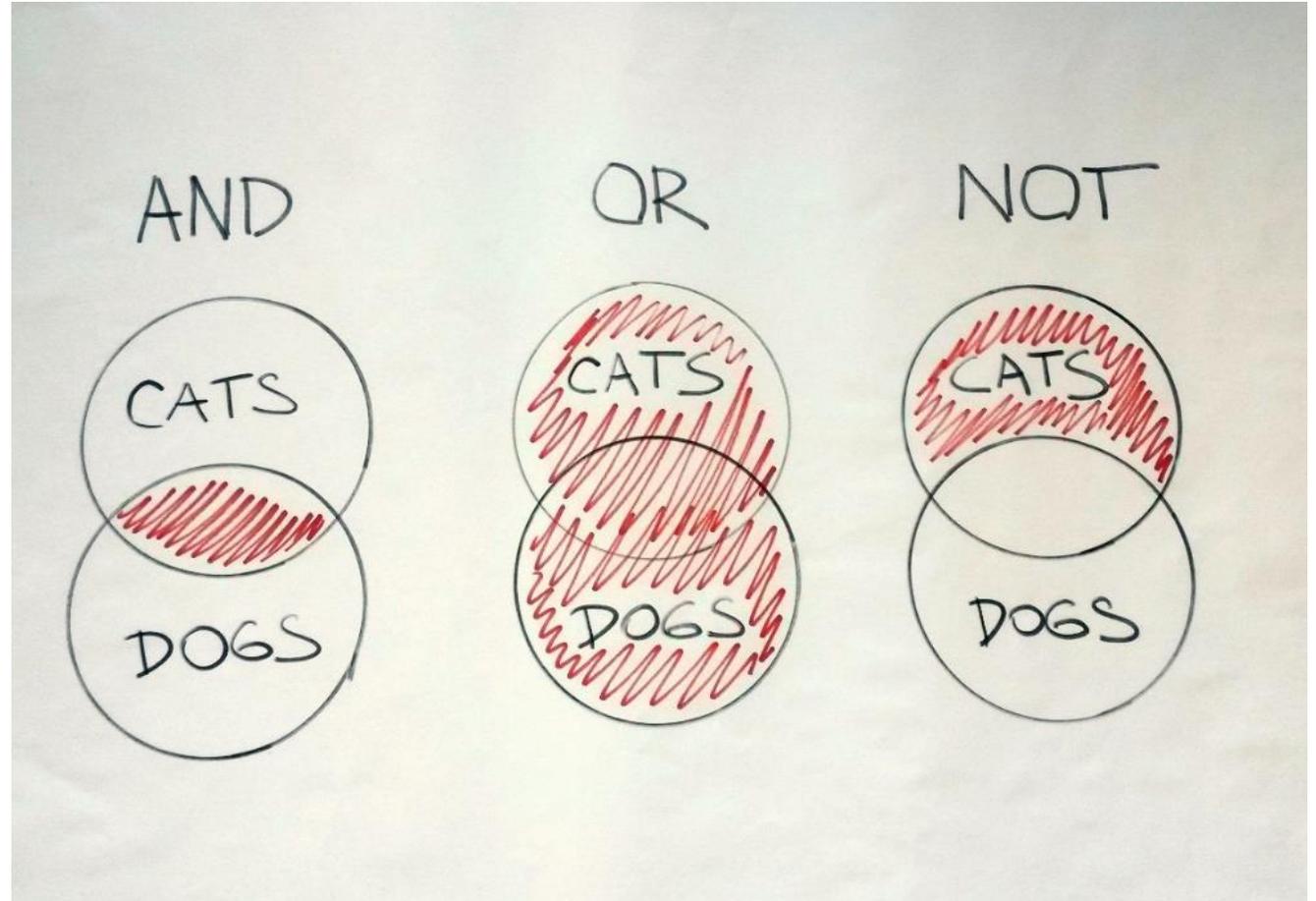
- Keywords
- Operators
- Quotation marks
- Asterisk*
- Filters



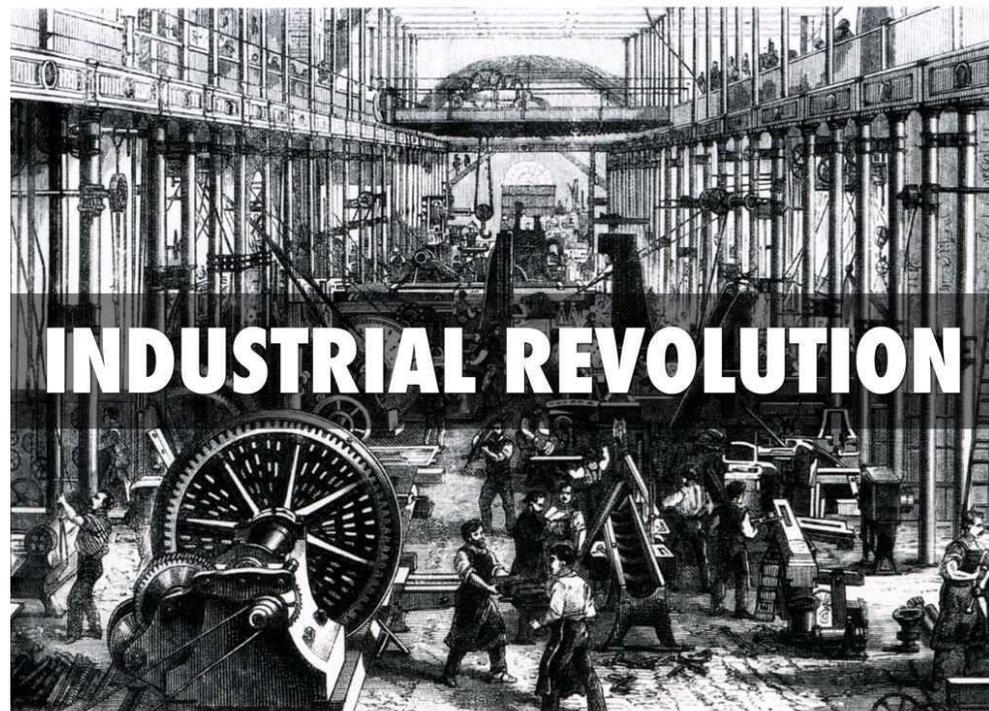
Search like an expert

210 mm

- Operators – combine or exclude certain results



- Quotation marks - search for whole phrases



Industrial

+

Revolution

=

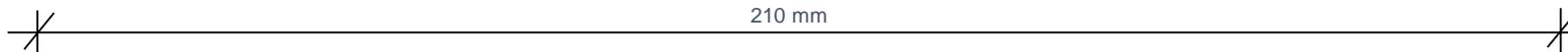
"Industrial revolution"

International Industrial Division.
Actavo [online]. [2017-01-24].
Available
at: <http://www.actavo.com/?sectors=international-industrial-division>

Whatever Happened to the VDI Revolution?.
Virtualization Review [online]. [2017-01-24]. Available
at: <https://virtualizationreview.com/articles/2015/07/13/whatever-happened-to-the-vdi-revolution.aspx>

History of The Industrial Revolution. *History Discussion - Discuss Anything About History* [online]. [2017-01-24]. Available
at: <http://www.historydiscussion.net/history/industrial-revolution/history-of-the-industrial-revolution/1784>

Search like an expert



- Asterisk ...* - search for a word with any suffix while keeping the root

industr*

industry

industrial

industrialism

Industrialization

environ*

environment

environmental

environmentalism

architec*

architect

architecture

architectural

architecturally

Search like an expert

- Filters - narrow results by various criteria

PUBLICATION DATE

● ————— ●

from  to 

[Last 12 Months](#)
[Last 3 years](#)
[Last 5 years](#)

SUBJECT TERMS

research (6,839,379)
article (4,173,700)
reports (3,381,450)
universities and colleges (3,342,551)
analysis (3,282,283)
[More...](#)

LANGUAGE

REFINE YOUR SEARCH

Full Text Online
Scholarly & Peer-Review
Peer-Review
Library Catalog

CONTENT TYPE

Journal Article (98,905,904)
Patent (73,982,185)
Newspaper Article (32,375,867)
Magazine Article (14,646,256)
Book / eBook (600,464)
[More...](#)

DISCIPLINE

medicine (102,622,414)
chemistry (82,080,685)
sciences (75,315,628)
engineering (22,189,353)
biology (9,316,143)
[More...](#)

Find it yourself

The screenshot displays the NTK search interface. At the top, the search bar contains the query "cows global warming". Below the search bar, the results are sorted by relevance, showing 13,018 results. A red exclamation mark icon is placed above the "Database Recommendations" section, which lists "ProQuest Natural Science Collection" and "ProQuest SciTech Collection". The main results list includes three items:

- 1** **online** **Don't have a cow! Fight global warming with CFC**
by [Alston, Theodore A](#)
Nature, 08/2004, Volume 430, Issue 7003
Journal Article: [Full Text Online](#)
[Preview](#)
- 2** **online** **The effect of improving cow productivity, fertility, and longevity on the global warming potential of dairy systems**
by [Bell, M.J.](#); [Wall, E.](#); [Russell, G.](#); [More...](#)
Journal of Dairy Science, 07/2011, Volume 94, Issue 7
... the **global warming** potential (GWP) in carbon dioxide equivalent (CO 2 -eq.) emissions and resource use (in the context of this paper, land use) associated...
Journal Article: [Full Text Online](#)
[Preview](#)
- 3** **online** **Studies from A.N. Hristov et al Add New Findings in the Area of Alkanes (Short communication: Comparison of the GreenFeed system with the sulfur hexafluoride tracer technique for measuring enteric methane emissions from dairy cows...**
Global Warming Focus, 07/2016
...By a News Reporter-Staff News Editor at **Global Warming** Focus -- A new study on Alkanes is now available. According to news reporting originating in St. Louis...
Journal Article: [Full Text Online](#)

On the left side, there are three filter sections:

- REFINE YOUR SEARCH**: Full Text Online, Scholarly & Peer-Review, Peer-Review, Library Catalog.
- CONTENT TYPE**: Journal Article (5,369), Book / eBook (3,302), Magazine Article (1,619), Book Chapter (1,339), Newspaper Article (1,155), More...
- DISCIPLINE**: agriculture (2,371), history & archaeology (2,116), engineering (1,776), environmental sciences (1,674), ecology (1,535), More...

At the bottom left, there is a **PUBLICATION DATE** filter with a range slider and input fields for "from" and "to".

Narrowing results

210 mm

Title AND

Title AND

All Fields AND

All Fields [Add a row](#)

Publication date range: from to

Show content type:
 Any Type
 Audio Recording
 Book / eBook

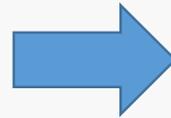
Language:

Show only: Items with full text online
 Scholarly materials, including peer-reviewed
 Peer reviewed publications
 Items in the library catalog (includes mostly print and physical material)

Exclude from results :
 Newspaper articles
 Book Reviews
 Dissertations

Expand your results: Include results from outside your library's collection

[Clear Form](#) [Back to basic search](#)



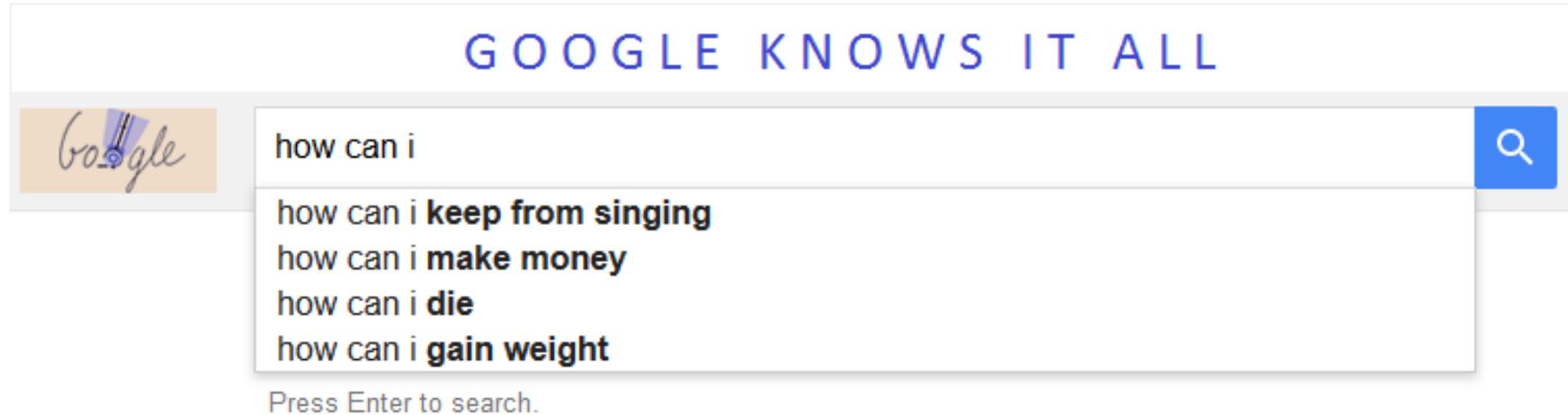
(TitleCombined:(cows)) AND (TitleCombined:(global warming))

140 results sorted by [relevance](#) Add results beyond y

1 **The effect of improving cow productivity, fertility, and longevity on the global warming potential of dairy systems**
by [Bell, M.J.](#); [Wall, E.](#); [Russell, G.](#); [More...](#)
Journal of Dairy Science, 07/2011, Volume 94, Issue 7
This study compared the environmental impact of a range of dairy production systems in terms of their global warming potential (GWP, expressed as carbon...
Journal Article: [Full Text Online](#)
[Preview](#)

2 **Substitution of corn silage with sorghum silages in lactating cow diets: In vivo methane emission and global warming potential of milk production**
by [Colombini, S.](#); [Zucali, M.](#); [Rapetti, L.](#); [More...](#)
AGRICULTURAL SYSTEMS, 06/2015, Volume 136
A study was conducted to determine whether sorghum silage can be a valid alternative to corn silage in lactating cow rations in terms of enteric CH4 production...

Google it – but “google it” right



Google vs. Google Scholar

- Many results don't always mean success
- Results might be irrelevant, unverified, or just silly...

The image shows a screenshot of a Google search interface. The search bar contains the text "shakespeare midsummer night dream". Below the search bar, the search results are displayed. A blue arrow points from the search bar to the first result, which is "A Midsummer Night's Dream - Wikipedia". The search results also show the number of results and the time taken to return the results: "About 730,000 results (0.64 seconds)". Below the search results, there is a section titled "People also ask" with four questions and dropdown arrows.

Google

shakespeare midsummer night dream

All Images Videos Shopping News More Settings Tools

About 730,000 results (0.64 seconds)

A Midsummer Night's Dream - Wikipedia
https://en.wikipedia.org/wiki/A_Midsummer_Night's_Dream ▼
A Midsummer Night's Dream is a comedy written by William Shakespeare in 1595/96. It portrays the events surrounding the marriage of Theseus, the Duke of ...
Puck · Titania · Nick Bottom · Oberon

Midsummer Night's Dream: Entire Play
shakespeare.mit.edu/midsummer/full.html ▼
A Midsummer Night's Dream. Shakespeare homepage | Midsummer Night's Dream | Entire play ...
Four days will quickly steep themselves in night; Four nights ...

SparkNotes: A Midsummer Night's Dream
www.sparknotes.com > [SparkNotes](#) > [Shakespeare Study Guides](#) ▼
Watch the A Midsummer Night's Dream Video SparkNote · Read the ... I've just bought the complete works of Shakespeare for my University module. Visit my ...

People also ask

What is a midsummer night's dream about? ▼

What is the plot of A Midsummer Night's Dream? ▼

What is the main plot of A Midsummer Night's Dream? ▼

Who plays Thisbe in A Midsummer Night's Dream? ▼

Find it with Google Scholar

210 mm

scholar.google.cz

My library My Citations Alerts Metrics **Settings**

Google Scholar

Articles include patents Case law

Stand on the shoulders of giants

Scholar Settings

Search results

Library links

Account

Button

Show library access links for (choose up to five libraries):

e.g., *Harvard*

- VPK - VPK
- Národní technická knihovna - Získat v NTK (SFX)
- Union Catalogue of the Czech Republic - Czech Libraries
- Univerzita Karlova v Praze - Full-text @ SFX UK
- Vysoká škola ekonomická v Praze (University of Economics in - Full-Text @ VŠE)
- Czech University of Life Sciences Prague - Získat full text
- International School of Prague - FullText@isp.cz
- Museum of Decorative Arts in Prague - Get it @ UPM via ART SG
- Městská knihovna v Praze - Získat v MKP
- SFX@University of Economics, Prague - SFX@vse.cz: Full Text
- The University of Economics, Prague - Get it @ VSE via JIB
- Vysoká škola chemicko-technologická - Získat přes VŠCHT (SFX)
- Ústav mezinárodních vztahů Praha - Fulltext @ SFX JIB

Online access to library subscriptions is usually restricted to patrons of that library. You may need to login with your library password, use a campus computer, or configure your browser to use a library proxy. Please visit your library's website or ask a local librarian for assistance.

To retain settings, you must turn on [cookies](#)

Find it with Google Scholar

Google

→ Přibližný počet výsledků: 24 800 (0,10 s)

Články

Moje knihovna

Kdykoli

Od 2017

Od 2016

Od 2013

Vlastní období...

Seřadit podle relevance

Seřadit podle data

zahrnout patenty

zahrnout citace

Vytvořit upozornění

Taken by the Fairies: Fairy Practices and the Production of Popular Culture in A Midsummer Night's Dream
ME Lamb - *Shakespeare Quarterly*, 2000 - JSTOR
THROUGH THE CROSS-DISCIPLINARY WORK of sociologists, social historians, and literary scholars, the field of popular culture has become increasingly sophisticated+ Critiques of the concept of "popular culture" itself have proven particularly productive+ As
Počet citací tohoto článku: 40 Související články Všechny verze (počet: 2) Web of Science: 14 Citovat Uložit Další

[КНИЖА] Our moonlight revels: A Midsummer Night's Dream in the theatre
GJ Williams - 1997 - library.uow.edu.au
... Use the truncation symbol * to widen your search and find entries which include the words theatre and theater (US spelling), and, history, historical or historically. Title: Our moonlight revels: A midsummer night's dream in the theatre Author: Gary Jay Williams ...
Počet citací tohoto článku: 59 Související články Citovat Uložit Další

"Obscured by dreams": Race, Empire, and Shakespeare's A Midsummer Night's Dream
M Hendricks - *Shakespeare Quarterly*, 1996 - JSTOR
Midsummer Night's Dream performed by the **Shakespeare** Santa Cruz repertory company (hereafter SSC). In a camp rendering of **Shakespeare's** text, director Danny Scheie sought to illuminate what he viewed as the sexual politics of the text. Featuring a variety of pop-culture
Počet citací tohoto článku: 59 Související články Všechny verze (počet: 4) Web of Science: 20 Citovat Uložit Další

Imagination in A Midsummer Night's Dream
RW Dent - *Shakespeare Quarterly*, 1964 - JSTOR
0 1 g2 A **Midsummer Night's Dream** for its artistic fusion of seemingly disparate elements. Sometimes the praise involves little, really, beyond admiring the skill with which **Shakespeare** interwove the actions of the four lovers, the fairies, and the o mechanicals in
Počet citací tohoto článku: 64 Související články Všechny verze (počet: 3) Citovat Uložit Další

Získat v NTK (SFX) ←

[PDF] pbworks.com
Získat v NTK (SFX) ←

[PDF] shakespeare4alltime.com ←

Assignment

- Find information on the topic of your choice, or look here for inspiration:
 - Apocalyptic milkshake: how cattle breeding strengthens global warming.
 - Telepathic Skype: Are we there yet?
 - I². Ethical issues of self-cloning
 - Will dolphins take over our flats? Intelligent cetacea as a threat to humanity.
 - 3D printers attack! The role of 3D printers in Mars colonization.

Questions? Ask us any time

210 mm

• [Ask us!](#)

- Fill out the form and we'll respond as soon as possible.
- If you wish to meet and discuss your research topic in detail, please request an in-depth individual consultation.

I need assistance with

Question *

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FAQ

- I cannot find a particular article/book/map/standard
- I don't know where to look for sources for my essay/thesis
- I have trouble using a citation manager (Zotero, CitacePRO)

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