

# Library Assignments Beyond the Essay

**Dr. Rob Hallis**

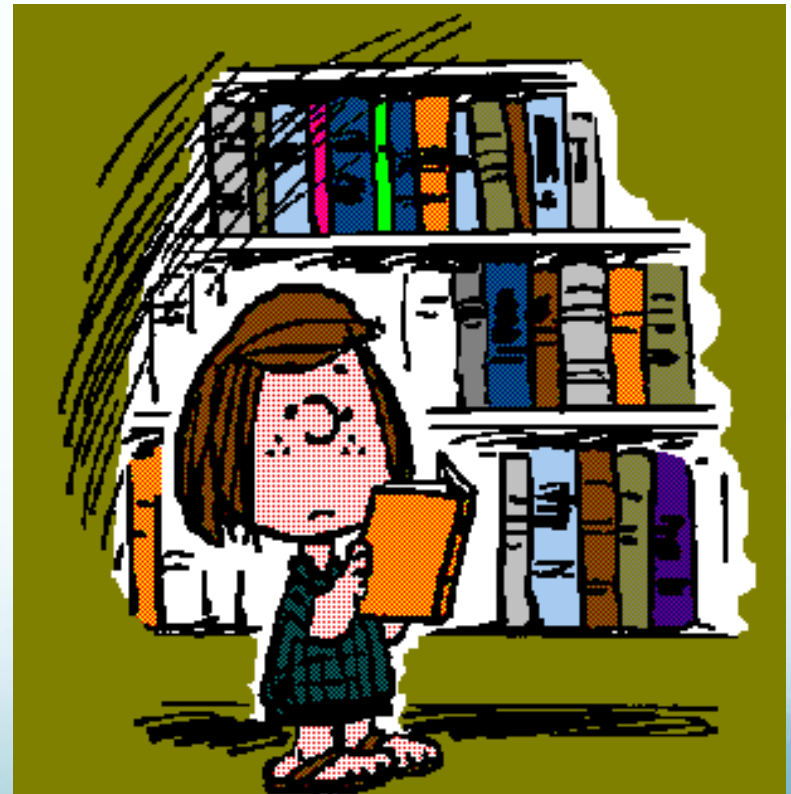
Instructional Design Librarian  
Associate Professor of Library Services  
BME, BM, BA, MM, MLIS, Ph.D.

**SidLit 7/31/2015**



# Bibliographic Instruction

- Tour of the Building
- Tour the Databases
- Tour the Opac
- Service Points



# What's New

## Students

- Problem based learning
  - Not memorizing
- Library
  - Study in the Building
  - Search onLine
- Overly Confident
- Underprepared

## Library

- Discovery Tools
  - Searching is easy
  - Finding is difficult
- Print / OnLine Resources
- Solving problems replaces Reserves

# ACRL Standards

- Determine the extent of information needed
- Access the needed information efficiently / effectively
- Evaluate information and its sources critically
- Incorporate selected information into one's knowledge
- Use information to accomplish a specific purpose
- Understand issues surrounding use of information
  - Economic
  - Legal
  - Social
  - ethical

# SAMR model

## Effective use of Technology

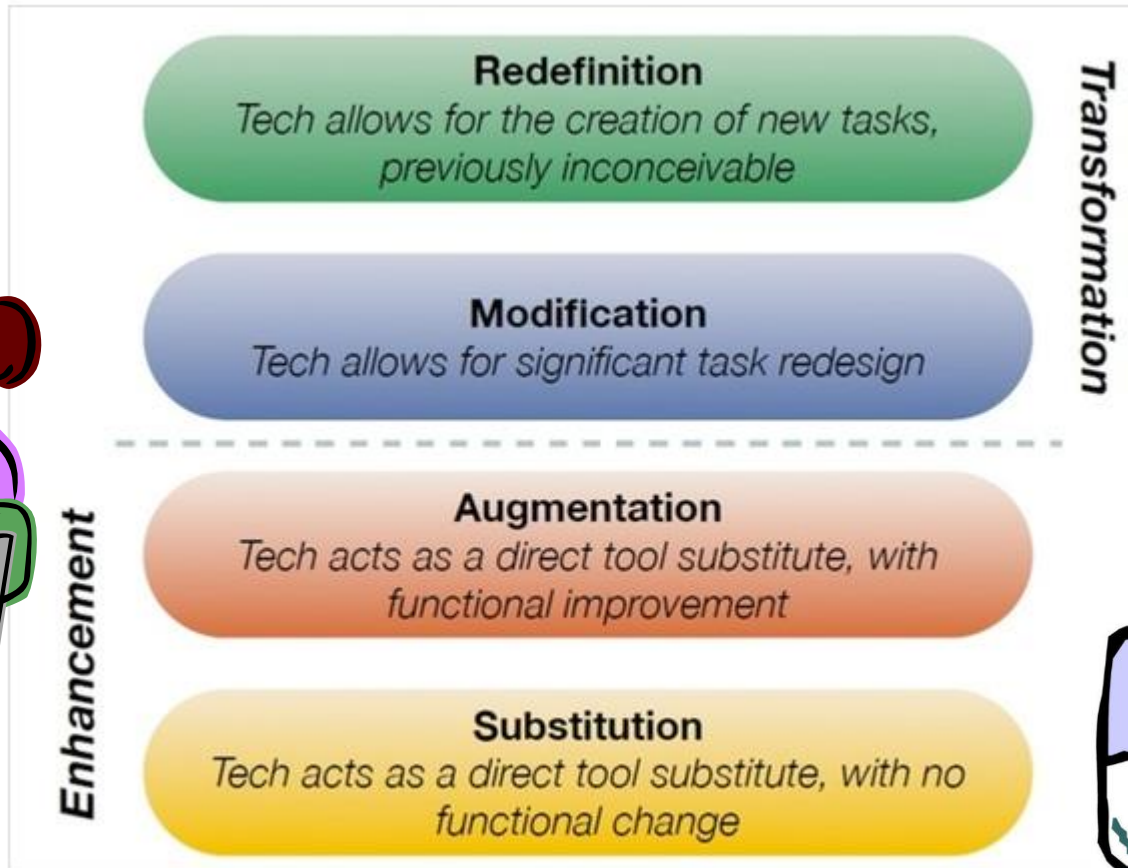
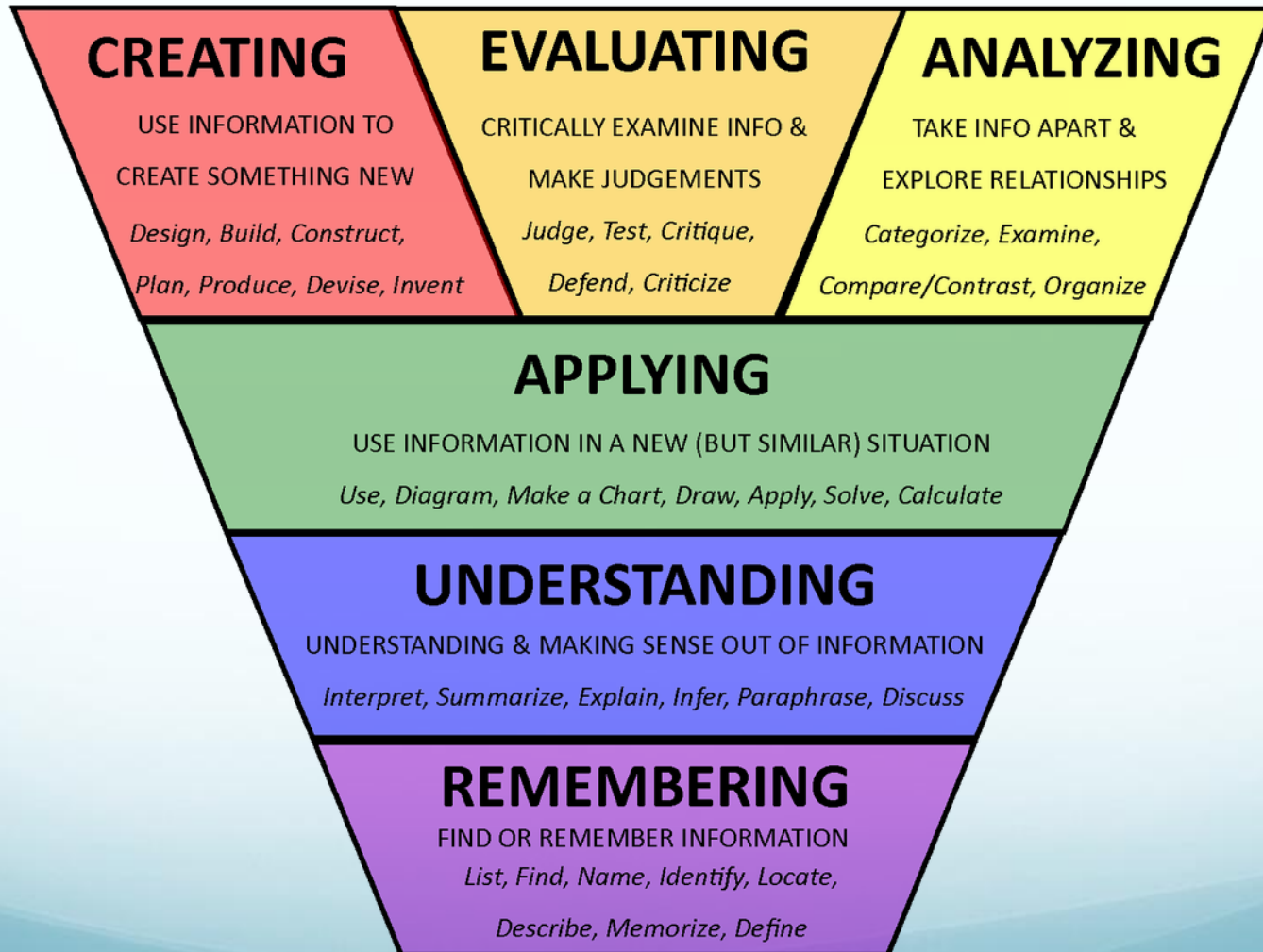


Image the creation of Dr. Ruben Puentedura, Ph.D. <http://www.hippasus.com/rrpweblog/>

# Bloom's Taxonomy



# Informing the Conversation



Social

Commerce



JAMES C. KIRKPATRICK LIBRARY  
UNIVERSITY OF CENTRAL MISSOURI



Academic

LinkedIn

Announcement

Professional

# Research Paper

Assignment	<p>Compare Atticus' motivation in "To Kill a Mockingbird" with the person portrayed in "Go Set a Watchman"</p> <p>Focusing research question;</p> <ul style="list-style-type: none"><li>-historically</li><li>-accuracy of personal recollection</li></ul>
Search	<p>Select keywords that describe information needed, and use them in CentralSearch [a library discovery tool] and select three sources from reliable publications that address the questions you need to answer.</p> <ul style="list-style-type: none"><li>-Literary DB [or discovery tool] ... history criticism &amp; author or title /subject heading</li><li>-book reviews</li><li>-</li></ul>
Evaluate	<p>Appropriateness of Source</p> <ul style="list-style-type: none"><li>-Author; education, publication, employment</li><li>-Article, bibliography addressed, citation</li></ul> <p><b>RELEVANCE to my questions</b></p>
Integrate	<p>Include relevant sources in appropriate places in the assignment using accepted citation format.</p>



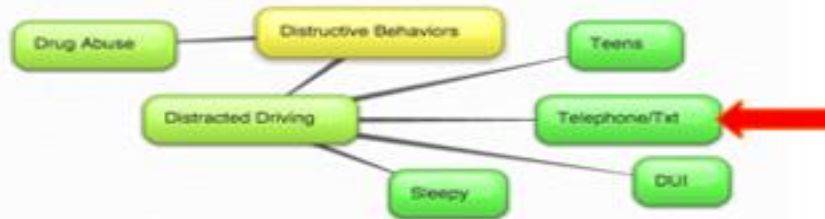
# Bringing the question into focus



## GLOBAL WARMING IN THE U.S.



## DISTRACTED DRIVING AND APPS: WHY DO YOUNG DRIVERS RISK THEIR LIVES FOR THEIR APPS?



# Current Event

Assignment	Should women serve in forward deployments in the armed service?
Search	Select keywords that describe information needed, and use them in CentralSearch [a library discovery tool]. Filter the results to magazine articles, and select three sources from reliable publications that address the questions you need to answer.
Evaluate	Consider the authority of each source by addressing the credibility of the author, the publication, and the timeliness of the information contained in the article. Identify one article that your search produced, but you found inappropriate to the question you needed to answer.
Integrate	In a paragraph, discuss the choice you would advise a friend in similar circumstances using the information you gathered. Use the information you gathered to support your advice, and identify the source of that information through using a citation so your friend can find additional information.

# Structuring my topic

- IDEA: Integrating Women in Armed forces
- Heard on evening news
- KW: Integrating ||Women ||"Armed forces"
  - Process
  - Reaction
  - US vs Other Countries
- Thesis:
  - What was the process that Secretary of Defense outlined for considering how women would be integrated in combat rolls in the armed forces?
  - What was the reaction to the Secretary of Defense announcement that women would be integrated in combat rolls in the armed forces?

# Putting the Pieces Together

Can I Intelligently Talk about my Topic

Background /  
Context

- General Article
- Encyclopedia

Uncited

---

What experts say about my Topic

Accurate  
Reliable

- Scholarly Articles
- Popular Articles
- Newspaper

Cited

Highlights for my Topic

Personal  
Perspectives

- Primary Documents
- Interviews
- Memoirs - Autobiographies

# Finding my Sources

- Background [Discovering the Context]
  - Limiting CentralSearch to magazines or books
    - Background Information
    - Overview
    - General Knowledge
- Scholarly Articles [Thorough investigation]
  - Limiting CentralSearch to Journal Articles
  - Specialized studies
    - Peer Reviewed
    - By experts for experts
    - Uses specialized vocabulary and jargon
  - Specialized Databases

# General Interest Periodicals



Searching: Academic Search Complete Choose Databases

JN "Time" Select a field (optional)

AND Women "Armed forces" Select a field (optional)

AND Select a Field (optional) Add Row

Basic Search Advanced Search Visual Search Search History

Page: 1 2

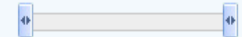
12 Results for...

Boolean/Phrase:  
JN "Time" AND Women "Armed forces"

Refine your results

- Full Text
- References Available
- Scholarly (Peer Reviewed) Journals

1923 Publication Date 2010



Update Show More >>

Source Types

- All Results
- Magazines (12)

Update

1.



The M...

HTML Full Text

**How We Fail Our Female Vets.**

By: Fitzpatrick, Laura. **Time**. 7/12/2010, Vol. 176 Issue 2, p42-45. 4p. 2 Color Photographs.

The article discusses the challenges **women** in the U.S. military face when they return to the U.S. after serving overseas and requiring medical and psychological services. **Women** in the co...

Subjects: **WOMEN** military personnel; **MEDICAL** care; **WOMEN** veterans; **WOMEN** & the military; **WOMEN** & war; **MENTAL** health services; **AFGHAN** War, 2001-; **IRAQ** War, 2003-2011

States; **UNITED** States. Dept. of Veterans Affairs; Residential Mental Health and Substance Abuse Hospitals; **SERVICES** for

Add to folder

HTML Full Text

4.



Periodical

**The Sea Witch.**

By: Thompson, Mark. **Time**. 3/22/2010, Vol. 175 Issue 11, p30-33. 4p.

The article discusses the U.S. Navy career of Captain Holly Graf, the first **woman** to command a Navy cruiser, the U.S.S. Cowpens, and Graf's persecution and fall for cruelty cr...

Subjects: **WOMEN** ship captains; **WOMEN** & the military; **INVECTIVE** -- Law & legislation; **CRUELTY**; **UNITED** States; **UNITED** States Naval Academy; **UNITED** States. Navy

Add to folder

HTML Full Text

5.



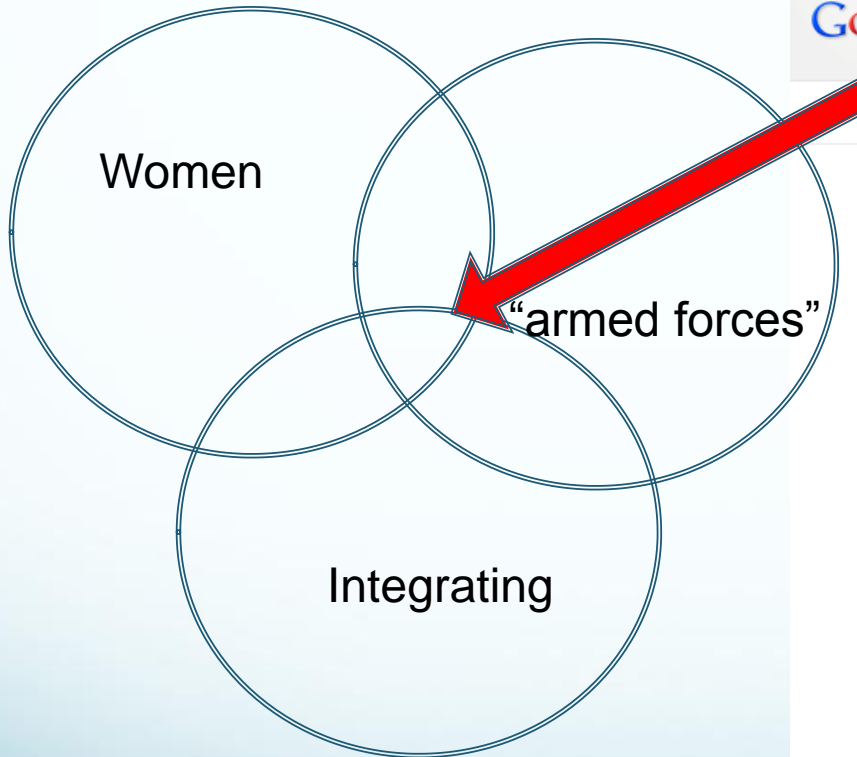
Periodical

... & the military; **ARMED** Forces; **ISRAE**



# CENTRAL SEARCH

Useful Information



The screenshot shows a Google search results page for the query "Integrating Women 'Armed forces'". The search bar contains the query, and the results count is 4,789. The page includes a "Refine your search" section with filters for content type, subject terms, and publication date. The search results list several articles, including "Integrating Women into the Military", "ARMED FORCES CONTINUE TO FACE CHALLENGES INTEGRATING WOMEN: VALLEY Edition", "Integrating women into the infantry", "Integrating the Armed Forces", and "Panel on women halted [Integrating women into combat roles]". A red box highlights the search bar and the results count.

Google Integrating Women "Armed forces"

**CENTRAL SEARCH**

Integrating Women "Armed forces" Search Advanced Search

Keep search refinements  New search

Search Results: Your search for **Integrating Women "Armed forces"** returned **4,789** results

**Refine your search**

- Items with full text online
- Limit to articles from scholarly publications, including peer-review
- Limit to articles from peer-reviewed publications
- Exclude Newspaper Articles
- Items in the library catalog
- Add results beyond your library's collection

**Content Type**

- Any
- Book / eBook (2,948)
- Newspaper Article (1,024)
- Journal Article (570)
- Dissertation/Thesis (120)
- Report (57)
- Book Review (49)
- [more...](#)

**Subject Terms**

- Any
- electronic books (1,043)
- history (948)
- multi-user (884)
- united states (773)
- women (623)
- social science (588)
- [more...](#)

**Publication Date**

- Any

**Integrating Women into the Military**

by Dorn, Edwin  
The Brookings Review, ISSN 0745-1253, 10/1992, Volume 10, Issue 4, p. 5  
.... Equal opportunity will work in the **armed forces** only if it is enforced strictly up command chain. Women, Sex discrimination, Sexual harassment, Armed forces  
Journal Article: Full Text Online

**ARMED FORCES CONTINUE TO FACE CHALLENGES INTEGRATING WOMEN: VALLEY Edition**

by Nolan Walters Knight-Ridder Tribune News Wire  
Daily News, 12/08/1996, p. N.19  
"What are you doing, Airborne?" Staff Sgt. Martha McClelland barks at some burly lounging around the lobby of the 509th Regimental barracks.  
Newspaper Article: Full Text Online

**Integrating women into the infantry**

by Adam N Wojack  
Military Review, ISSN 0026-4148, 11/2002, Volume 82, Issue 6, p. 67  
Female soldiers are almost taken for granted in today's Army. Few, if any, would have no place in the Army, and their presence rarely raises an eyebrow... Women Military personnel  
Journal Article: Full Text Online

**Integrating the Armed Forces**

Denver Post, ISSN 1930-2193, 11/15/1992, p. E2  
It was a similar story when the service academies began admitting **women** in the cadets often found themselves treated as brutally as black cadets had been dealt earlier... Editorials, Gays & lesbians, Military personnel  
Newspaper Article: Full Text Online

**Panel on women halted [Integrating women into combat roles]**

The Globe and Mail, ISSN 0319-0714, 07/31/1997, p. A4  
Canada, Women, Armed forces  
Newspaper Article: Full Text Online

# CENTRAL SEARCH



Ask Reference

**CENTRAL SEARCH**

Integrating Women "Armed forces" **Search** Advanced Search

Keep search refinements  New search

**Search Results:** Your search for **Integrating Women "Armed forces"** returned **245** results

**Refine your search**

- Items with full text online
- Limit to articles from scholarly publications, including peer-review
- Limit to articles from peer-reviewed publications
- Exclude Newspaper Articles
- Items in the library catalog
- Add results beyond your library's collection

**Content Type**

- Any
- Journal Article (245)
- Book Review (23)

**Subject Terms**

- Any
- article (109)
- women (72)
- sociology (58)
- armed forces (45)
- political science (42)
- gender (39)

**Recommendation:** We found one or more specialized collections that might help you.

- [MLA Bibliography](#) - Indexes articles on modern languages, literature, linguistics, cognitive disorder, and folklore

**Doorways to Curriculum Change: Internationalizing Women's Studies, Integrating Women into Global Studies**

by Hill, Leslie I  
Transformations, ISSN 1052-5017, 03/1998, Volume 9, Issue 1, p. 21  
.... Indigenous political and economic institutions established women's autonomy a region of pre-colonial West Africa where **women** expected consultation with male and were... Education, Literature, African Americans, Black literature, Nonfiction  
Journal Article: Full Text Online

**"Bring Me Men and Women:" The Integration of Women into the United States Air Force Academy**

by Allison Gawlinski  
Air Power History, ISSN 1044-016X, 07/2007, Volume 54, Issue 2, p. 32  
....13 Although the official argument against **integrating women** into the service at the legal ban on **women** in combat, the Air Force Academy Superintendent, Lt. Gen. rights, Military training, Motivation, Military schools, Gender  
Journal Article: Full Text Online

**Gender crimes as war crimes: integrating crimes against women into international criminal law.(Hate, Genocide and Human Rights Fifty Years Later: What Have We Learned? What Must We Do ?)**

by Copelon, Rhonda

Select the type of material you need to limit results.



Integrating Women "Armed forces"

Search

Advanced Search

Keep search refinements  New search

Search Results:

Refine your search

- Items with full text
- Limit to articles from publications, including review
- Limit to articles from reviewed publications
- Exclude Newspapers
- Items in the library
- Add results beyond library's collection

Content Type

- Any
- Journal Article (24)
- Book Review (23)
- more...

Subject Terms

- Any
- article (109)
- women (72)
- sociology (58)
- armed forces (45)
- political science (42)
- gender (39)
- more...

Publication Date

Any

Saved Items(1)

Export:

Search Results Format	
APA (American Psychological Assoc.)	1. Allison Gawlinski. "Bring Me Men and Women:" the Integration of Women into the United States Air Force Academy." <i>Air Power History</i> 54.2 (2007): 32. Print. <a href="#">Link</a>   <input type="button" value="x"/>
AMA (American Medical Assoc.)	
MLA (Modern Language Association)	
Uniform	
Chicago/Turabian: Author-Date	
Harvard	

Powered by **RefWorks**

Always check your references for accuracy. [Click here](#) for more information

Gender crimes as war crimes: **integrating** crimes against women into international criminal law.(Hate, Genocide and Human Rights Fifty Years Later: What Have We Learned? What Must We Do ?)



by Copelon, Rhonda  
 McGill Law Journal, ISSN 0024-9041, 11/2000, Volume 46, Issue 1, p. 217  
 Crimes against, Courts, Conferences, War, International offenses

# Terms/ Concepts

Assignment	How do scholars use specialized vocabulary? -using a specialized term form [one of your classes], find an example of how that term is used in professional literature
Search	-discovery tool; key word>limit to scholarly article -Specialized dictionary [dictionary and discipline]
Evaluate	Compare the specialized use of the term with how the term is used outside the profession.
Integrate	Write a paragraph that examines how a professional uses the term you investigated. Is it different from how most people use it? How does this usage make the concept it describes clearer, more descriptive? -Create an infographic -Explain to a classmate how this term is used and where you found it in a scholarly article.

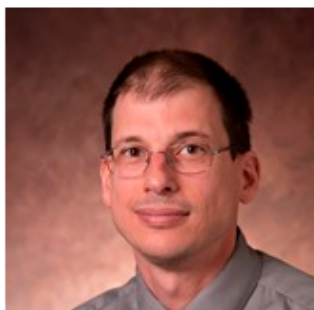
# Connecting to the University

<p>Assignment</p>	<p>Goals; [connectedness] gain familiarity with award-winning faculty on campus</p> <p>[Information Management] Entering the academic conversation: specifically identify elements of a scholarly article, validate the information Navigating Library Resources: locate a specific article cited in the article as well as a related print book in the library</p> <p>Assignment For this assignment you will need to 1/ look at the winner of the Byler award 2/ examine the structure of a scholarly article written by him 3/ discuss the process of locating another winner and an article by this person.</p>
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## Kreiner, David

### Professor and Chair

David S. Kreiner has been teaching at Central Missouri since 1990. He earned a B.A. in psychology from the University of Texas-Austin in 1985 and a Ph.D. in human experimental psychology in 1990, also from the University of Texas-Austin.



### Scholarly Interests

Dr. Kreiner teaches General Psychology, Orientation to Psychology, Research Design, Analysis I & II, Systems of Psychology, Statistics, Cognitive Psychology, and Social Psychology. His research interests include cognitive psychology, particularly as research on the teaching of psychology research projects and has coauthored undergraduate and graduate students.

### Professional Involvement

Dr. Kreiner is a fellow of the Association for Psychological Science, the Midwestern Psychological Association, the Midwestern Psychonomic Society. He is on the editorial board of *Psychology*. In addition to serving as the International Honor Society in Psychology Midwest Regional Steering Committee, he is the Teaching of Psychology (APA Division 2)

email Dr. Kreiner  
Dr. Kreiner's Faculty Website

Selected Publications  
Recent Presentations

Department  
Lovinger  
University  
Warrensburg

Telephone  
Fax: (660)

[kreiner@cmo.edu](mailto:kreiner@cmo.edu)  
<http://faculty.cmo.edu/~kreiner/>

### EDUCATION

Ph.D. Human Experimental Psychology  
University of Texas at Austin

B.A. Psychology  
University of Texas at Austin

## CURRICULUM VITAE

**Note: Student authors are listed in boldface**

### PUBLICATIONS

- Ryan, J.J., Kreiner, D.S., Gontkovsky, S.T., & Umfleet, L.G. (in press). Classification accuracy of sequentially administered WAIS-IV short forms. *Applied Neuropsychology: Adult*.
- Ryan, J.J., **Swopes-Willhite, N., Franklin, C.,** & Kreiner, D.S. (in press). WAIS-IV administration errors: Effects of altered response requirements on Symbol Search and violation of standard surface variety patterns on Block Design. *Applied Neuropsychology: Adult*.
- Ryan, J.J., **Townsend, J.M.,** & Kreiner, D.S. (in press). Comparison of oral, written, and pointing responses to the WAIS-IV Digit Span. *Applied Neuropsychology: Adult*.
- Bash, K.L.,** & Kreiner, D.S. (2014). Student perceptions of study time. *Psi Chi Journal of Psychological Research, 19*, 3-9.
- Ryan, J.J., Gontkovsky, S.T., Kreiner, D.S., & Tree, H.A. (2012). Wechsler Adult Intelligence Scale-Fourth Edition performance in relapsing-remitting multiple sclerosis. *Journal of Clinical and Experimental Neuropsychology, 34*, 571-579.
- Ryan, J.J., **Turpin, D.M.,** & Kreiner, D.S. (2012). Specificity of the 21-Item Test in two elderly samples. *Aging, Neuropsychology, and Cognition, 19*, 728-740.

# Career

<b>Assignment</b>	Discovering my Profession! Professionals develop a set of skills and abilities that are reflected in their education, experience, and aptitudes. What are the expectations of my chosen career and what is the outlook for the next decade? What professional associations are there that can help me find jobs and prepare me for a career? What professional journals are available, and what topics do they discuss?
<b>Search</b>	Using the Occupational Outlook Handbook, find the entry for your career. Using Google, find a professional association for the career you've chosen. Using CentralSearch [a library discovery tool], find a professional journal used to inform professionals in your occupation about current developments in their field by filtering the results to journal articles.
<b>Evaluate</b>	Consider the authority of each source by addressing the credibility of the author, the publication, and the timeliness of the information contained in the article. Identify one article that your search produced, but you found inappropriate to the question you needed to answer.
<b>Integrate</b>	In a paragraph, discuss if key aspects of your career, including average pay, growth projections and recommended preparation. Use the information you gathered in your searches to discuss information contained on the web-site of a professional organization, and list one job listing that interests you. Discuss a professional journal for that occupation you discovered using CentralSearch, and summarize the types of articles you found in one issue. Please cite the source you discovered so your reader can find additional information.



# Validating an Article

Assignment	Find a scholarly article on [identify a particular topic, or give a specific article] and evaluate how credible the author is by examining his/her background as well as the validity of the article by examining the bibliography at the end of the article.
Search	<ul style="list-style-type: none"><li>-Use database to find article</li><li>-Use Google to find information about the author [name + CV (or vita)]</li></ul>
Evaluate	<p>Author Find a vita of the author that lists his/her education, publication record and where they currently work.</p> <p>Article Examine the breadth, depth and recency of the information contained in the bibliography.</p>
Integrate	<p>Write a paragraph discuss the author's background and the quality of the bibliography</p> <ul style="list-style-type: none"><li>-Create an infographic</li><li>-Explain to a classmate how</li></ul>

Name

Date

Analyze one of the articles you found in searching for information on Physical Sciences.



Figure 2.1: Diagram of the Library Research Process

Author's Background  
Dissertation

I searched \_\_\_\_\_, and found \_\_\_ other  
articles by this author  
One other article

Where does he/she teach

Author used \_\_\_ sources from \_\_\_ journals  
Source 1: [citation]

How was it used: Quote | Summarized

Source 2 [Citation]

How was it used: Quote | Summarized

Title

What key words could be used to locate  
articles

Article [MLA Citation]

Summarize main Idea [From Abstract or conclusion]

# Dr. Mandy Blackburn

## Assistant Professor of Chemistry

University of Central Missouri  
Biochemistry, Chemistry & Physics  
W.C. Morris Building, Room 409  
Warrensburg, MO 64093  
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Group Website

## Professional Appointment

August 2014-present Assistant Professor, University of Central Missouri  
Jan 2014-June 2014 Visiting Assistant Professor, Fitchburg State  
June 2010-Jan 2014 Postdoctoral Research Fellow, University of

## Education

Ph.D. Chemistry, University of Florida (2005-2010)  
B.Sc. Chemistry, University of New Mexico (2000)

## Research Description

My research focuses on the thermal regulation of a class of proteins responsible for that are required to maintain cellular homeostasis under normal conditions and enable cellular survival under stressed conditions that result in unfolded and misfolded proteins. My research also investigates the requirements for designing thermally regulated proteins that can be harnessed for a specific purpose within the cell.

## Selected Publications

1. General, I.J., Liu, Y., [Blackburn, M.E.](#), Giera  
Hsp70 Molecular Chaperones." PLOS Comp E
2. de Vera, I.M.S., [Blackburn, M.E.](#), Galiano, L  
directed Spin-labeling (SDSL)." Current Protoc
3. Huang, X., de Vera, I.M.S., Veloro, A.M., [Bl](#)  
Fanucci, G.E. "Inhibitor-Induced Conformation  
EPR and NMR Spectroscopy" J. Phys. Chem.

**Monitoring polymorphism and inhibitor induced conformational ensemble shifts in HIV-1 protease via pulsed electron paramagnetic resonance**

**Blackburn, Mandy Elizabeth.** University of Florida, ProQuest, UMI Dissertations Publishing, 2010. 3532651.


 [Citation/Abstract](#) [SEARCH FOR ITEM @ JCKL](#)

Full text views are currently unavailable due to copyright restrictions.

**Pulsed EPR distance measurements in soluble proteins by Site-Directed Spin Labeling (SDSL)**



by de Vera, Ian Mitchell S; Blackburn, Mandy E; Galiano, Luis; Fanucci, Gail E  
Current Protocols in Protein Science, ISSN 1934-3655, 2013, Issue 74  
Site-directed spin labeling, Distance measurements, DEER, Pulsed EPR

 [Journal Article: Citation Online](#)





# ATPase Subdomain IA Is a Mediator of Interdomain Allostery in Hsp70 Molecular Chaperones

Ignacio J. General<sup>1</sup>, Ying Liu<sup>1</sup>, Mandy E. Blackburn<sup>2</sup>, Wenzhi Mao<sup>1,3</sup>, Lila M. Gierasch<sup>2,4</sup>, Ivet Bahar<sup>1\*</sup>

**1** Department of Computational and Systems Biology, School of Medicine, University of Pittsburgh, Pittsburgh, Pennsylvania, United States of America, **2** Department of Biochemistry & Molecular Biology, University of Massachusetts Amherst, Amherst, Massachusetts, United States of America, **3** Department of Pharmacology, Tsinghua University, Beijing, China, **4** Department of Chemistry, University of Massachusetts Amherst, Amherst, Massachusetts, United States of America

## Abstract

The versatile functions of the heat shock protein between their nucleotide-binding and substrate-binding sites suggest that interdomain allostery is essential to rational design. How the two Hsp70 domains regulate each other's function has been a topic of intense computational investigations that emerged in recent years as valuable tools for understanding events that mediate allostery. In the present study, conservation and covariance properties derived from both sequence and structural dynamics data are integrated with results from Perturbation Response Scanning and *in vivo* functional assays, so as to establish the dynamical basis of interdomain signal transduction in Hsp70s. Our study highlights the critical roles of SBD residues D481 and T417 in mediating the coupled motions of the two domains, as well as that of G506 in enabling the movements of the  $\alpha$ -helical lid with respect to the  $\beta$ -sandwich. It also draws attention to the distinctive role of the NBD subdomains: Subdomain IA acts as a key mediator of signal transduction between the ATP- and substrate-binding sites, this function being achieved by a cascade of interactions predominantly involving conserved residues such as V139, D148, R167 and K155. Subdomain IIA, on the other hand, is distinguished by strong coevolutionary signals (with the SBD) exhibited by a series of residues (D211, E217, L219, T383) implicated in DnaJ recognition. The occurrence of coevolving residues at the DnaJ recognition region parallels the behavior recently observed at the nucleotide-exchange-factor recognition region of subdomain IIB. These findings suggest that Hsp70 tends to adapt to co-chaperone recognition and activity via coevolving residues, whereas interdomain allostery, critical to chaperoning, is robustly enabled by conserved interactions.

## Author Contributions

Conceived and designed the experiments: LMG IB. Performed the experiments: IJG YL MEB WM. Analyzed the data: IJG YL MEB WM LMG IB. Contributed reagents/materials/analysis tools: LMG IJG WM IB. Wrote the paper: IJG MEB LMG IB.

**Citation:** General IJ, Liu Y, Blackburn ME, Mao W, Gierasch LM, et al. (2014) ATPase Subdomain IA Is a Mediator of Interdomain Allostery in Hsp70 Molecular Chaperones. *PLoS Comput Biol* 10(5): e1003624. doi:10.1371/journal.pcbi.1003624

**Editor:** Gennady M. Verkhivker, Chapman University, United States of America

**Received:** October 3, 2013; **Accepted:** March 31, 2014; **Published:** May 15, 2014

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**Funding:** This work was supported by NIH (www.nih.gov), grants GM099738 and GM103712 to IB, and GM027616-34 to LMG. The funders had no role in study design, data collection and analysis, decision to publish, or preparation of the manuscript.

**Competing Interests:** The authors have declared that no competing interests exist.

\* E-mail: bahar@pitt.edu

Name

Date

Analyze one of the articles you found in searching for info

## BACKGROUND



Figure 2.1: Diagram of the Library Research Process

Author's I  
Dissertat

**Monitoring polymorphism and inhibitor induced conformational ensemble shift of HIV-1 protease via pulsed electron paramagnetic resonance**

Blackburn, Mandy Elizabeth. University of Florida, ProQuest, UMI Dissertations Publishing, 2010. 3532651.

I searched  
articles b  
One other

Citation/Abstract [SEARCH FOR ITEM @ JCKL](#)

Full text views are currently unavailable due to copyright restrictions.

Where do

**Pulsed EPR distance measurements in soluble proteins by Site-Directed Spin Labeling (SDSL)**



by de Vera, Ian Mitchell S; Blackburn, Mandy E; Galiano, Luis; Fanucci, Ga  
Current Protocols in Protein Science, ISSN 1934-3655, 2013, Issue 74

Site-directed spin labeling, Distance measurements, DEER, Pulsed EPR

Author us  
Source 1:

Journal Article: Citation Online

How was it used: Quote | Summarized

Source 2 [Citation]

How was it used: Quote | Summarized

Title

What key words could be used to locate articles

Article [MLA Citation]



Summarize main Idea [From Abstract or conclusion]

Analyze one of the articles you found in searching for information on Physical Sciences.

## BACKGROUND

Topic Selection

## IMAGINATION

Research Questions (Brainstorming)

Research Plan (Strategy)

Reference Works & Databases (Tools & Tactics)

Sources

Evaluation

## INSIGHT

Thesis

Argument & Outline

Drafting & Revising

Author's Background

Dissertation

I searched \_\_\_\_\_, and found \_\_\_ other articles by this author  
One other article

Where does he/she teach

Author used \_\_\_ sources from  
Source 1: [citation]

How was it used: Quote | Summarized

Source 2 [Citation]

How was it used: Quote | Summarized

### Introduction

The heat shock protein 70 (Hsp70) family of molecular chaperones plays a key role in the quality control of protein folding, as well as in regulation of intracellular trafficking [1–3]. Hsp70 dysfunction has been implicated in a broad range of conditions/disorders including tumor growth and Alzheimer's disease [4,5].

### Reference

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Figure 2.1: Diagram of the Library R

Summarize main Idea [From A



Analyze one of the articles you found



Figure 2.1: Diagram of the Library Research Process

OPEN ACCESS Freely available online

PLOS COMPUTATIONAL BIOLOGY



# ATPase Subdomain IA Is a Mediator of Interdomain Allosteric in Hsp70 Molecular Chaperones

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## Abstract

The versatile functions of the heat shock protein 70 (Hsp70) family of molecular chaperones rely on allosteric interactions between their nucleotide-binding and substrate-binding domains, NBD and SBD. Understanding the mechanism of interdomain allostery is essential to rational design of Hsp70 modulators. Yet, despite significant progress in recent years, how the two Hsp70 domains regulate each other's activity remains elusive. Covariance data from experiments and computations emerged in recent years as valuable sources of information towards gaining insights into the molecular events that mediate allostery. In the present study, conservation and covariance properties derived from both sequence and structural dynamics data are integrated with results from Perturbation Response Scanning and *in vivo* functional assays, so as to establish the dynamical basis of interdomain signal transduction in Hsp70s. Our study highlights the critical roles of SBD residues D481 and T417 in mediating the coupled motions of the two domains, as well as that of G506 in enabling the movements of the  $\alpha$ -helical lid with respect to the  $\beta$ -sandwich. It also draws attention to the distinctive role of the NBD subdomains: Subdomain IA acts as a key mediator of signal transduction between the ATP- and substrate-binding sites, this function being achieved by a cascade of interactions predominantly involving conserved residues such as V139, D148, R167 and K155. Subdomain IIA, on the other hand, is distinguished by strong coevolutionary signals (with the SBD) exhibited by a series of residues (D211, E217, L219, T383) implicated in DnaJ recognition. The occurrence of coevolving residues at the DnaJ recognition region parallels the behavior recently observed at the nucleotide-exchange-factor recognition region of subdomain IIB. These findings suggest that Hsp70 tends to adapt to co-chaperone recognition and activity via coevolving residues, whereas interdomain allostery, critical to chaperoning, is robustly enabled by conserved interactions.

**Citation:** General IJ, Liu Y, Blackburn ME, Mao W, Gierasch LM, et al. (2014) ATPase Subdomain IA Is a Mediator of Interdomain Allosteric in Hsp70 Molecular Chaperones. *PLoS Comput Biol* 10(5): e1003624. doi:10.1371/journal.pcbi.1003624

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**Competing Interests:** The authors have declared that no competing interests exist.

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Summarize main Idea [From Abstract or conclusion]

# Wikipedia

Assignment	Using Central Search, find a popular publication, a Wikipedia entry and a scholarly article that discuss the [provide topic]. Compare the three sources in use of specialized vocabulary, bibliography, authority of the author, and transparency of the review process. Identify two similarities between the three sources and two differences between the three sources.
Search	
Evaluate	
Integrate	



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- Current events
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Article Talk

## Ludwig van Beethoven

From Wikipedia, the free encyclopedia

*"Beethoven" redirects here. For other uses, see Beethoven (disambiguation).*

**Ludwig van Beethoven** (iˈlʊdɪɡlʊdɪɡ lʊdɪɡ) (17 December 1770<sup>[1]</sup> – 26 March 1827) was a German composer, pianist, and conductor, widely considered one of the greatest composers of all time. He was one of the most influential of all composers. His best-known works include his nine symphonies (including the celebrated *Missa so*

Born in Bonn, then the capital of the Electorate of Cologne and archbishopric of the Holy Roman Empire of the German Nation, he displayed his musical talents at an early age, following in the footsteps of his father, Christian Gottlob Neefe. During his youth, he studied with Mozart and befriended Joseph Haydn, both of whom quickly gaining a reputation as a virtuoso pianist. His health began to deteriorate, and by the late 1800s he was unable to perform in public but continued to compose.

### Contents [hide]

- 1 Biography
  - 1.1 Background and early life
  - 1.2 Establishing his career in Bonn
  - 1.3 Musical maturity
  - 1.4 Loss of hearing
  - 1.5 Patronage
  - 1.6 The middle period
  - 1.7 Deafness and family difficulties

Article Talk

Read Edit New section View history

# Information for "Talk:Ludwig van Beethoven"

## Basic information

Display title	Talk:Ludwig van Beethoven
Default sort key	Beethoven, Ludwig Van
Page length (in bytes)	61,034
Page ID	17950005
Page content language	English (en)
Page content model	wikitext
Indexing by robots	Allowed
Number of page watchers	961
Number of page watchers who visited recent edits	72
<a href="#">Number of redirects to this page</a>	1
<a href="#">Number of subpages of this page</a>	10 (2 redirects; 8 non-redirects)

## Page protection

Edit	Allow all users (no expiry set)
Move	Allow all users (no expiry set)

## Edit history

Page creator	Koavf (talk   contribs)
Date of page creation	07:22, 15 June 2008
Latest editor	Deisenbe (talk   contribs)
Date of latest edit	03:38, 27 July 2015
Total number of edits	880
Total number of distinct authors	341
Recent number of edits (within past 30 days)	6

Log in



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*Handwritten signature: Ludwig van Beethoven*

## Talk:Ludwig van Beethoven

From Wikipedia, the free encyclopedia

- This is a subject page
- Put new subjects here
- Please do not add new subjects here
- New to this page

# Wikipedia:Vital articles

From Wikipedia, the free encyclopedia

*WP:VA* redirects here. You may be looking for *Wikipedia:WikiProject Visual arts*, *Wikipedia:Vandalism*, or *Wikipedia:WikiProject Virginia*.

### Vital articles

[Level 1](#)[Level 2](#)[Level 3](#)[Level 4](#)**Shortcuts:**[WP:VA](#)[WP:VITAL](#)

**Vital articles** is a list of subjects for which Wikipedia should have corresponding high-quality articles. It serves as a [centralized watchlist](#) to track the status of Wikipedia's most essential articles. Approximately one thousand articles on this page constitute the Level 3 list. A [Level 4](#) list of ten thousand articles is currently under construction.

Articles are labelled as:

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- [Former featured articles](#) ★
- [A-class articles](#) ⓐ
- [Good articles](#) Ⓜ
- [Delisted good articles](#) Ⓜ
- [B-class articles](#) ⓑ
- [C-class articles](#) ⓒ
- [Start-class articles](#) Ⓢ
- A full list is at [Template:Icon/doc](#)

These symbols are updated manually and may be out of date; you are encouraged to update them.

This list is tailored to the English-language Wikipedia. There is also a [list of one thousand vital articles](#).

For more information on this list and the process for adding articles, please see the [vital article process](#).

## Composers and musicians [\[edit\]](#)

- [C](#) [Hildegard of Bingen](#)
- [B](#) [Johann Sebastian Bach](#)
- [B](#) [★](#) [Wolfgang Amadeus Mozart](#)
- [B](#) [Ludwig van Beethoven](#)
- [★](#) [Richard Wagner](#)
- [+](#) [Giuseppe Verdi](#)
- [★](#) [Frédéric Chopin](#)
- [★](#) [Pyotr Ilyich Tchaikovsky](#)
- [C](#) [Igor Stravinsky](#)
- [B](#) [Louis Armstrong](#)
- [+](#) [Ravi Shankar](#)
- [★](#) [Elvis Presley](#)
- [★](#) [The Beatles](#)



**Ludwig van Beethoven** has been listed as a [level-3 vital article](#) in [Project:Vital articles](#). This article has been rated as [B-Class](#).

### Article milestones

**Date****Process**

April 27, 2005

[Peer review](#)

This article was on the [Article Collaboration and Improvement Drive](#) for the [month of April 2005](#).



[Ludwig van Beethoven's religious views](#) was nominated for deletion on **November 2011** with a consensus to **merge**. Its contents were merged into this page. This page is now a redirect to here. For the contribution history and old versions of this page, see [its history](#); for its talk page, see [here](#).



This article is of interest to multiple [WikiProjects](#). [Click here](#) for more information.



**To-do list for Ludwig van Beethoven:**

[edit](#) · [history](#) · [watch](#) · [refresh](#) [\[show\]](#)



# Oral Histories

<b>Assignment</b>	<p>How does perspective affect our memories? Interview a person about a significant event in their lives 20 years ago. Dig a bit deeper into the event using a newspaper article and a scholarly investigation.</p> <p>[an example could be found using Storycorps]</p>
<b>Search</b>	<p>Identify an event in the person's narrative and find a newspaper or popular periodical from that time period. Find a scholarly article that deals with the event.</p>
<b>Evaluate</b>	<p>Select source material that relates to an element of the story. Examples could include the time frame, the issues [could be a comparison between now and then], the historical context, or how we currently view an issue from the past.</p>
<b>Integrate</b>	<ul style="list-style-type: none"><li>-Write a paragraph</li><li>-Create an infographic</li><li>-Explain to a classmate how</li></ul>





“I just hugged the man who murdered my son.”

This week, President Obama called for reform of the criminal justice system, and became the first sitting President to visit a federal prison. So, we're revisiting the story of former inmate Oshea Israel, who speaks to, Mary Johnson, the mother of the man he killed.

[More...](#)

Recorded in [Minneapolis, Minnesota](#).



Preserve the important stories in your life by downloading the new StoryCorps app today. [Click here](#) to begin.

# Entering the Academic Conversation

## SECTION

# 3

### READING WARM-UP

#### Objectives

- Explain how cells produce more cells.
- Describe the process of mitosis.
- Explain how cell division differs in animals and plants.

#### Terms to Learn

cell cycle  
chromosome  
homologous chromosomes  
mitosis  
cytokinesis

### READING STRATEGY

**Paired Summarizing** Read this section silently. In pairs, take turns summarizing the material. Stop to discuss ideas that seem confusing.

**cell cycle** the life cycle of a cell

**chromosome** in a eukaryotic cell, one of the structures in the nucleus that are made up of DNA and protein; in a prokaryotic cell, the main ring of DNA

## The Cell Cycle

*In the time that it takes you to read this sentence, your body will have made millions of new cells! Making new cells allows you to grow and replace cells that have died.*

The environment in your stomach is so acidic that the cells lining your stomach must be replaced every few days. Other cells are replaced less often, but your body is constantly making new cells.

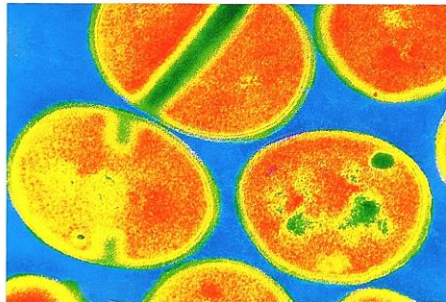
### The Life of a Cell

As you grow, you pass through different stages in life. Your cells also pass through different stages in their life cycle. The life cycle of a cell is called the **cell cycle**.

The cell cycle begins when the cell is formed and ends when the cell divides and forms new cells. Before a cell divides, it must make a copy of its deoxyribonucleic acid (DNA). DNA is the hereditary material that controls all cell activities, including the making of new cells. The DNA of a cell is organized into structures called **chromosomes**. Copying chromosomes ensures that each new cell will be an exact copy of its parent cell. How does a cell make more cells? It depends on whether the cell is prokaryotic (with no nucleus) or eukaryotic (with a nucleus).

### Making More Prokaryotic Cells

Prokaryotic cells are less complex than eukaryotic cells are. Bacteria, which are prokaryotes, have ribosomes and a single, circular DNA molecule but don't have membrane-enclosed organelles. Cell division in bacteria is called *binary fission*, which means "splitting into two parts." Binary fission results in two cells that each contain one copy of the circle of DNA. A few of the bacteria in **Figure 1** are undergoing binary fission.



**Figure 1** Bacteria reproduce by binary fission.

this powerful book, leaving us with a message of humility regarding our ability to know.

HENRY P. SCHWARTZ (NEW YORK)

PSYCHOANALYTIC TECHNIQUE EXPANDED: A TEXTBOOK ON PSYCHOANALYTIC TREATMENT. By Vamik D. Volkan. Istanbul/London: oa Publishing, 2010, 303 pp.

Vamik D. Volkan has had a distinguished career as psychoanalyst, supervisor, teacher, lecturer, and author.<sup>1</sup> He is also an eminent international peacemaker who has been nominated for the Nobel Peace Prize four times.<sup>2</sup> His extraordinary accomplishments have been combined to produce an original, clinically oriented textbook that is a valuable addition to the literature on psychoanalytic technique.

Volkan's text expands instruction in basic principles of psychoanalytic technique to include an awareness of the importance of the cultural background of each analysand. He especially focuses on the impact of trauma on personality development; such trauma may be caused by either family or societal upheaval. He also investigates the effects of multi-generational transmission of trauma.

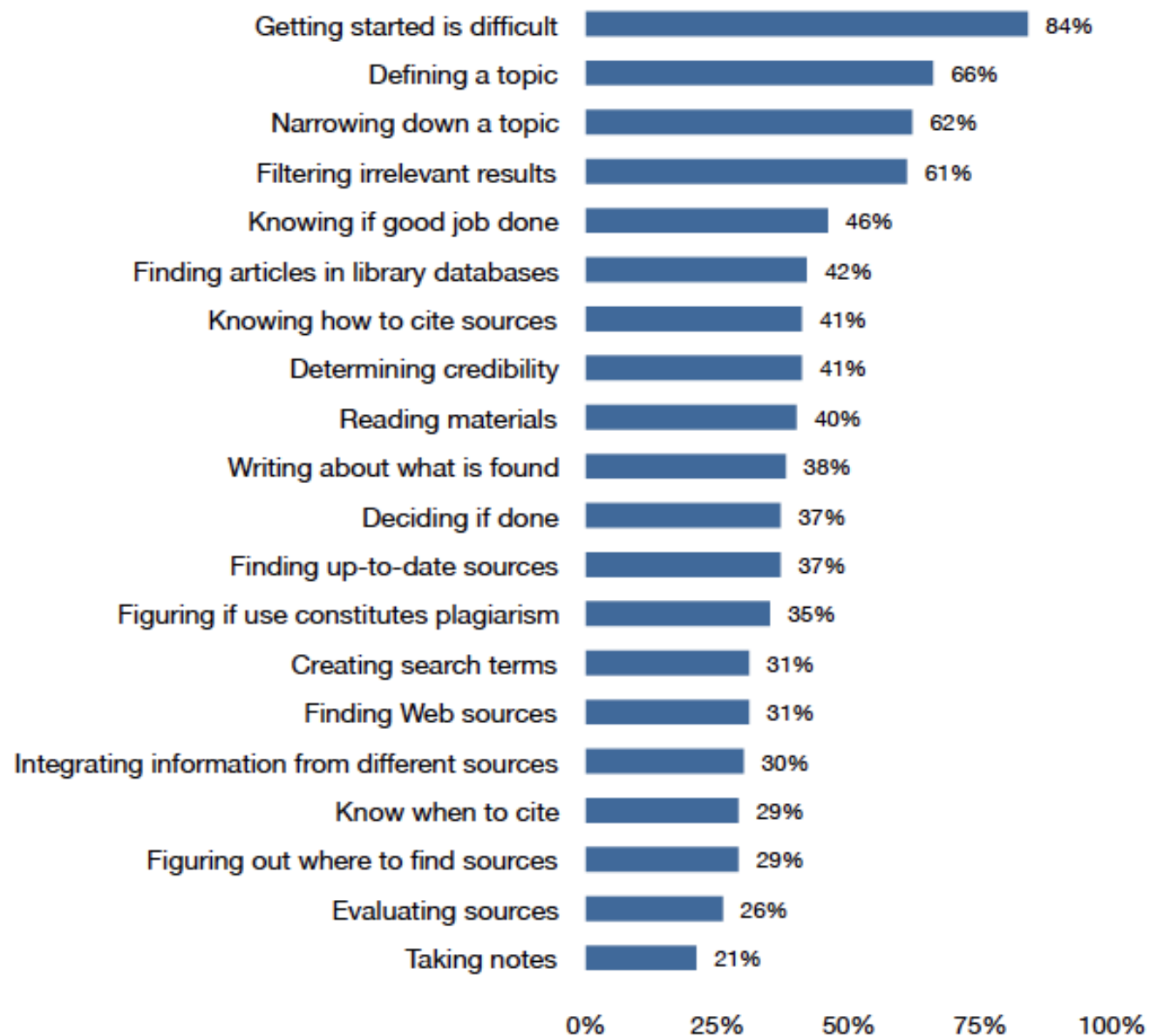
Volkan's sources include clinical presentations of his own work and that of his supervisees. Numerous extensive clinical examples illustrate a variety of theoretical concepts and points of technique. His presentations draw the reader in, so that she/he feels included in the life of each analysis, all the while absorbing technical principles. Volkan teaches by *showing* how an analysis unfolds, which helps us empathize with the experiences of patient, analyst, and supervisor.

The book is divided into four parts and contains twenty-four chapters. Four of the chapters are summaries of entire analyses, presenting the following patients: Gable (chapter 11), used to demonstrate the anal-

<sup>1</sup> "He is the author or co-author of forty books and the editor or co-editor of ten more" (p. 303).

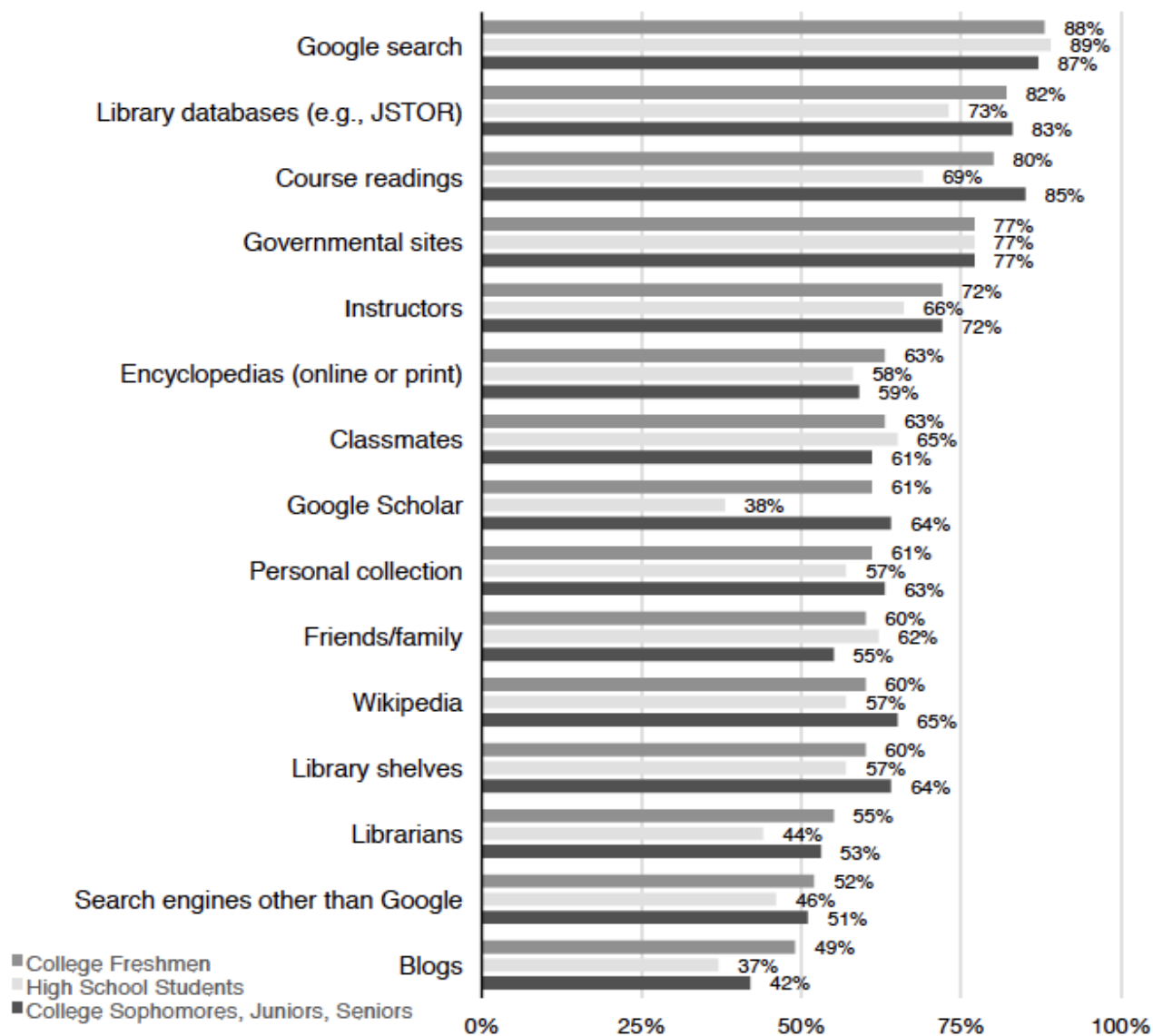
<sup>2</sup> The nominations were for "examining conflicts between opposing large groups, carrying out projects in various troubled spots in the world for thirty years, and developing psychopolitical theories" (p. 303).

**Figure 12: Difficulties with Steps during the Course-Related Research Process**



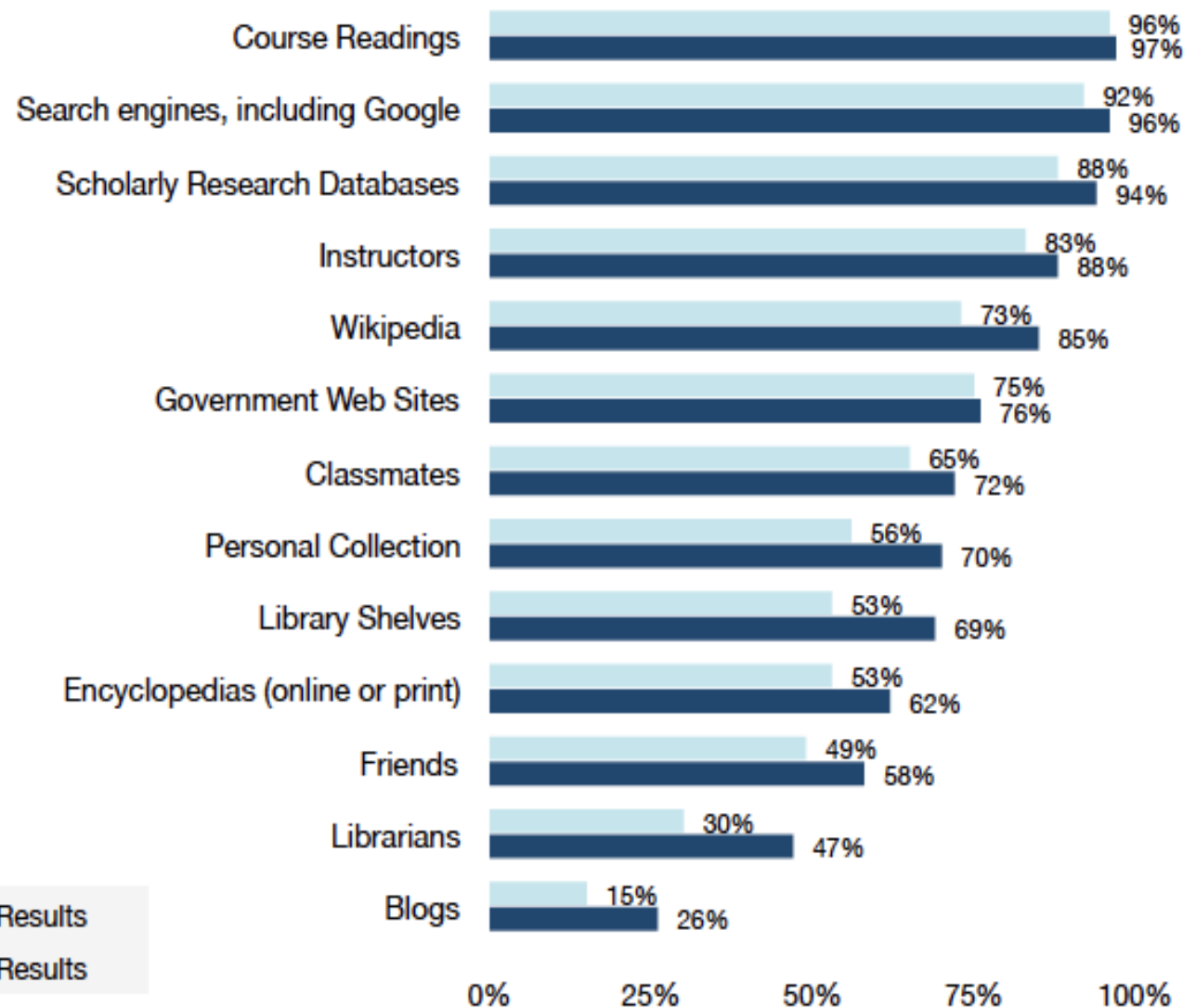
*Results are ranked from most to least agreed statements about student difficulties with research. Responses for "strongly agreed" and "somewhat agreed" have been conflated into a new category of "agreed." See Appendix B for complete data sets.*

**Figure 8: Information Resources End-of-Year High School and College Students Used**



*n=1,941 (358 freshmen, 600 high school students, and 983 college sophomores, juniors, and seniors. Responses of "almost always," "often," and "sometimes" have been conflated into a new category of "use."*

**Figure 2: Sources Used for Course-Related Research (2010 vs. 2009 Survey Data)**





# Creating Resources

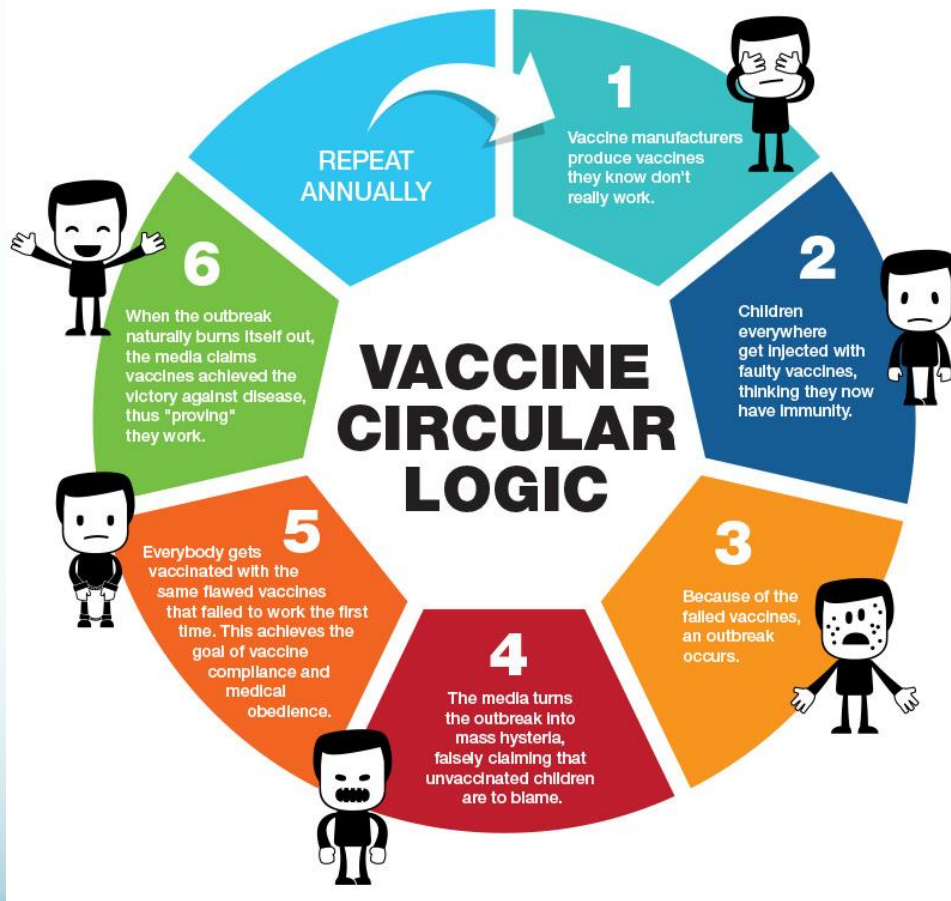
Assignment	<ul style="list-style-type: none"><li>-Create a movie</li><li>-Narrate a powerpoint</li><li>-create an animation</li><li>-Design an infographic</li><li>-Create an ibook [ebook]</li></ul>
Search	
Evaluate	
Integrate	

# Thinglink

The simultaneous publication of two studies with Neanderthal nuclear DNA sequences [1,2] was a technological breakthrough that held promise for answering a longstanding question in human evolution: Did “archaic” groups of humans, such as Neanderthals, make any substantial contribution to the extant human gene pool? The conclusions of the two studies, however, were puzzling and possibly contradictory. Noonan and colleagues [1] estimated an older divergence time (i.e., time to the most recent common ancestor) between human and Neanderthal sequences (~706,000 y ago), and a 0% contribution of Neanderthal DNA (95% confidence interval [CI]: 0%–20 %) to the modern European gene pool. In contrast, the Green et al. [2] study found a much more recent divergence time and made two striking observations that were highly suggestive of a substantial amount of admixture between Neanderthals and modern humans.

Wall, J. D., & Kim, S. K. (2005). Inconsistencies in neanderthal genomic DNA sequences. *PLoS Genetics*, preprint(2007), e175. doi:10.1371/journal.pgen.0030175.eor

# Creating Infographic



[http://www.naturalnews.com/048534\\_failed\\_vaccines\\_infographic\\_circular\\_logic.html](http://www.naturalnews.com/048534_failed_vaccines_infographic_circular_logic.html)

## When Consumers Have a **POSITIVE** Experience with Brands



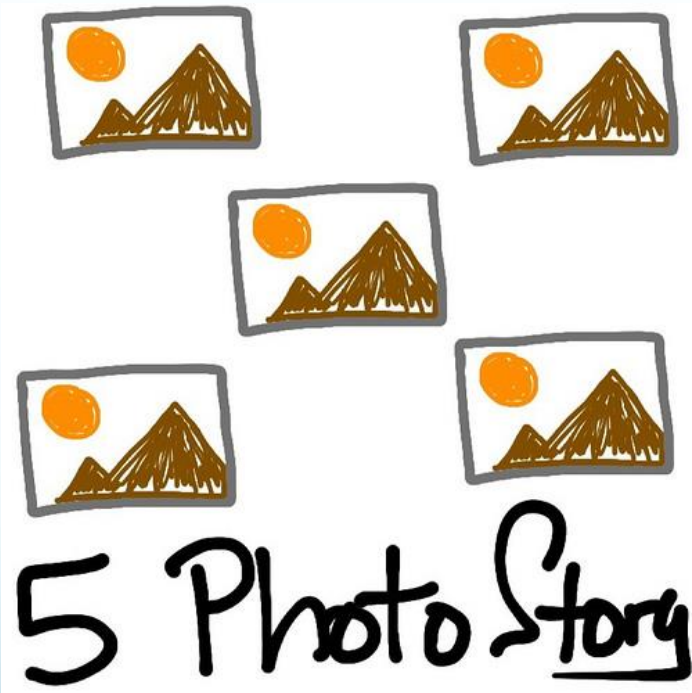
The breakdown of activities by consumers after positive experiences with brands.

<http://www.economistgroup.com/leanback/consumers/infographic-what-happy-consumers-do/>

10 free programs to create infographics available at <http://www.creativebloq.com/infographic/tools-2131971>



# Creating presentatins



# Questions



# Bibliography

- Yang, Sharon Q and Kurt Wagner. “Evaluating and comparing discovery tools: how close are we towards next generation catalog?” *Library Hi Tech* Vol. 28 / 4 (2010): 690-709.