



Launching Students Toward Research Success

ACRL 2017 Conference

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Learning Outcomes

Learn simple and easy techniques to optimize touchpoints with undergraduates.

- First year students
- Mid-collegiate discipline courses
- Senior: Presentation formats

Learn strategies for scalability, using digital tools.

Learn how to embed the threshold concepts across the curriculum.

A low-angle, upward-looking photograph of a white sail on a wooden mast. The sail is the central focus, with its white fabric and internal rigging lines clearly visible. The mast is made of dark wood and extends from the bottom right towards the top center. The background is a bright blue sky with scattered white clouds. The overall composition is dynamic and emphasizes height and structure.

First Year Students



New Student Orientation

Testing the waters

70% received instruction on finding & using info from a librarian/media specialist

Used variety of resources: websites, books, videos, images – top 4

Only 56% had used scholarly journal articles

Research databases: Google Scholar and EBSCO on par with Wikipedia

Used variety of formats: PowerPoints, videos, brochures, Prezi

Poll: Taking the Plunge

What 3 words come to mind when you think of
RESEARCH?



In Synch with English Composition

Libguides, course learning outcomes & threshold concepts

One shot sessions

University Composition Committee

Annual Writing Award Ceremony



Flipping to Optimize Face to Face



Research Guide

UNIVERSITY OF Cincinnati UC Libraries

Libraries | Research Guides | Langsam Library | English Composition 1001

English Composition 1001

Search this Guide Search

Research made easy.

Home

Develop a Research Question

What makes a good research question?

Find an interesting and substantive research question

Turn Your Topic Into a Research Question

Concept Map for Your Research Question

Choosing Search Terms

Find Articles and Books

Primary and Secondary Sources

What makes a good research question?

39/43 Develop a research question t...

Find an interesting and substantive research question

These databases will provide background information to help you discover a topic for research. These are just starting points and other resources will be necessary to further investigate your argument or point of analysis.

- CQ Researcher
- News Bank Special Reports
- Occupational outlook handbook [electronic resource] / U.S. Department of Labor, Bureau of Labor Statistics
- Opposing Viewpoints in Context (Gale)
- Rand Organization Research Reports

Turn Your Topic Into a Research Question

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English Composition 1001

Search this Guide Search

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Home

Develop a Research Question

Choosing Search Terms

From Question to Keywords Tutorial

Narrowing Your Search

Broadening Your Search

Useful Terms when Researching Debatable Questions

Brainstorm Search Terms for Your Research Question

Find Articles and Books

Primary and Secondary Sources

Find Images and Media

From Question to Keywords Tutorial

Once you have formulated your research question, you need to identify key concepts and their related keywords.

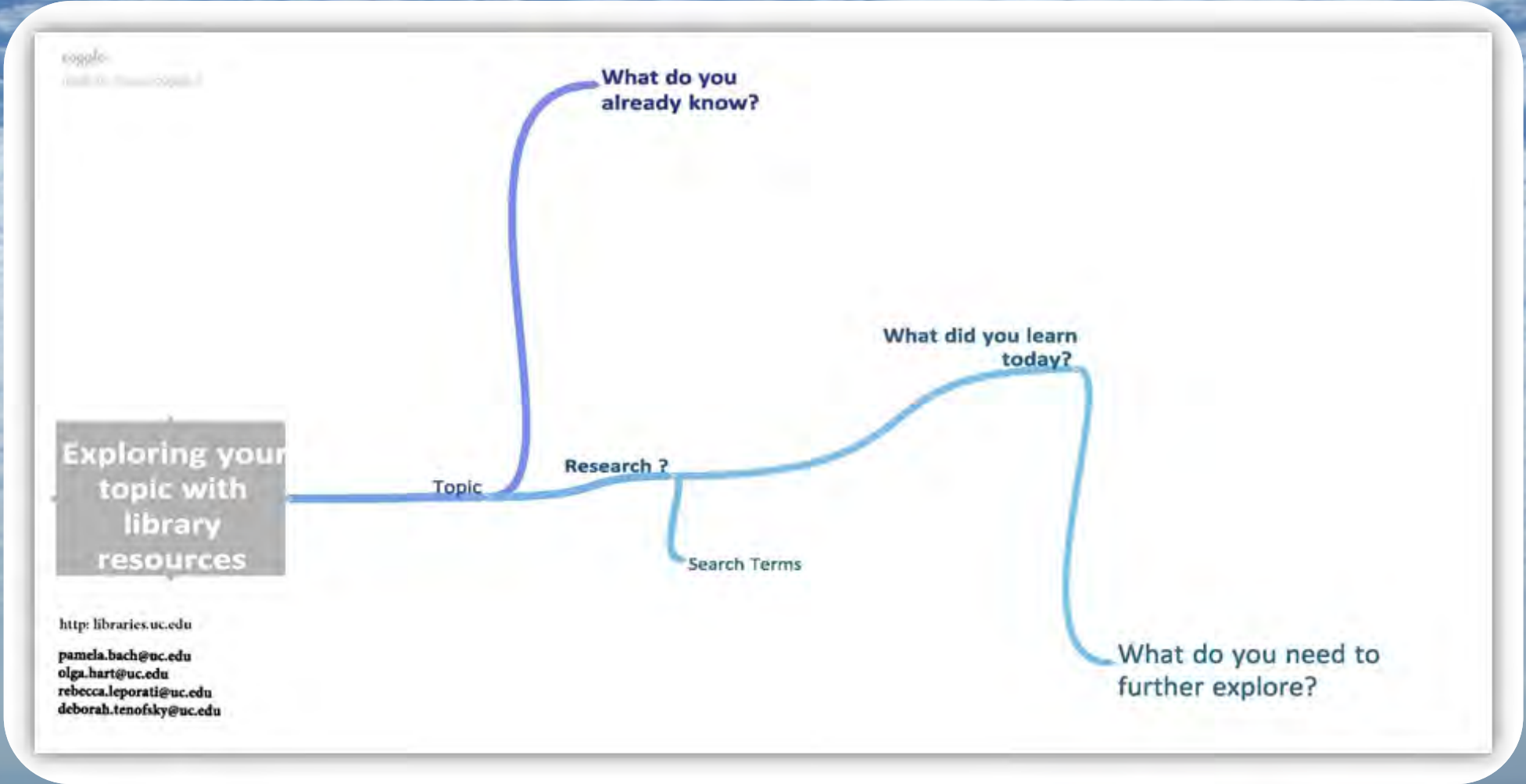
From Question to Keyword (video produced by University Libraries, University of North Carolina Greensboro)

Narrowing Your Search

- First, find some **background information** on your topic. Go to:
 - **Online Encyclopedias**
 - Check out issue tracker databases, such as **CQ Researcher** and **Opposing Viewpoints in Context**
 - **Wikipedia**
- Use subject words you discover through the background summaries to help focus your search. You can also use the subject terms you discover in article databases like **Academic Search Complete** to refine your search. And consider these ways to narrow your search:
 - **time period:** 1960s, twentieth century
 - **geographic area:** United States, China, Cincinnati

Pair and Share Concept Map





Reflection

Testimonials

Students

“Thanks again for taking time out of your day to show my class this. I never knew this even existed. But it looks like I will be using this a lot in the future.”

“Thank you for the help. These sources will really add depth to my report. The *higher education inequality and public good*, is just the sort of reference I needed.”

Faculty

“Thanks so much for the workshops you arranged for my four English Composition 1001 classes. It helped them immensely and they have turned in much better research for their essays since attending these workshops.”

A dramatic, dark, and cloudy sky, likely a storm, serves as the background for the top half of the slide. The clouds are dense and textured, with some lighter patches where light breaks through.

Navigating the Storm

Charting a new course for first-year instruction

“Many assume that because young people are fluent in social media they are equally savvy about what they find there.

Our work shows the opposite.”

-Stanford History Education Group

Flipped Classroom

1. Choose-Your-Own Research Path (interactive tutorial)
2. How to Evaluate Information Resources (video)
3. Submit a Source (article search activity)

Flipped Classroom

Activity

Interactive tutorial where students choose their own research path.

Learning Outcome

Students will understand how to use different online information sources in their research.



Flipped Classroom

Activity

Watch a short video examining various online sources.

Learning Outcome

Students will learn what elements of online sources to analyze



Flipped Classroom

Activity

Send in a source URL with a short evaluation of its trustworthiness.

Learning Outcome

Students will be able to analyze sources they find online.



Pair & Share

A new focus for a successful tool. Students will analyze peer-submitted articles.



“Research Hacks”

Or, how to keep the library orientation in a source-analysis focused instruction session.

1. How to make Google the ultimate keyword thesaurus.
2. How to use Wikipedia to jumpstart your works cited.
3. Get peer-reviewed sources quick: Use the library catalog.
4. Use article databases to limit search results.
5. Skimming the easy way: Ctrl + F.

Faculty Collaboration

We are leveraging well-established faculty relationships to:

- Pilot activities
- Tweak our tools



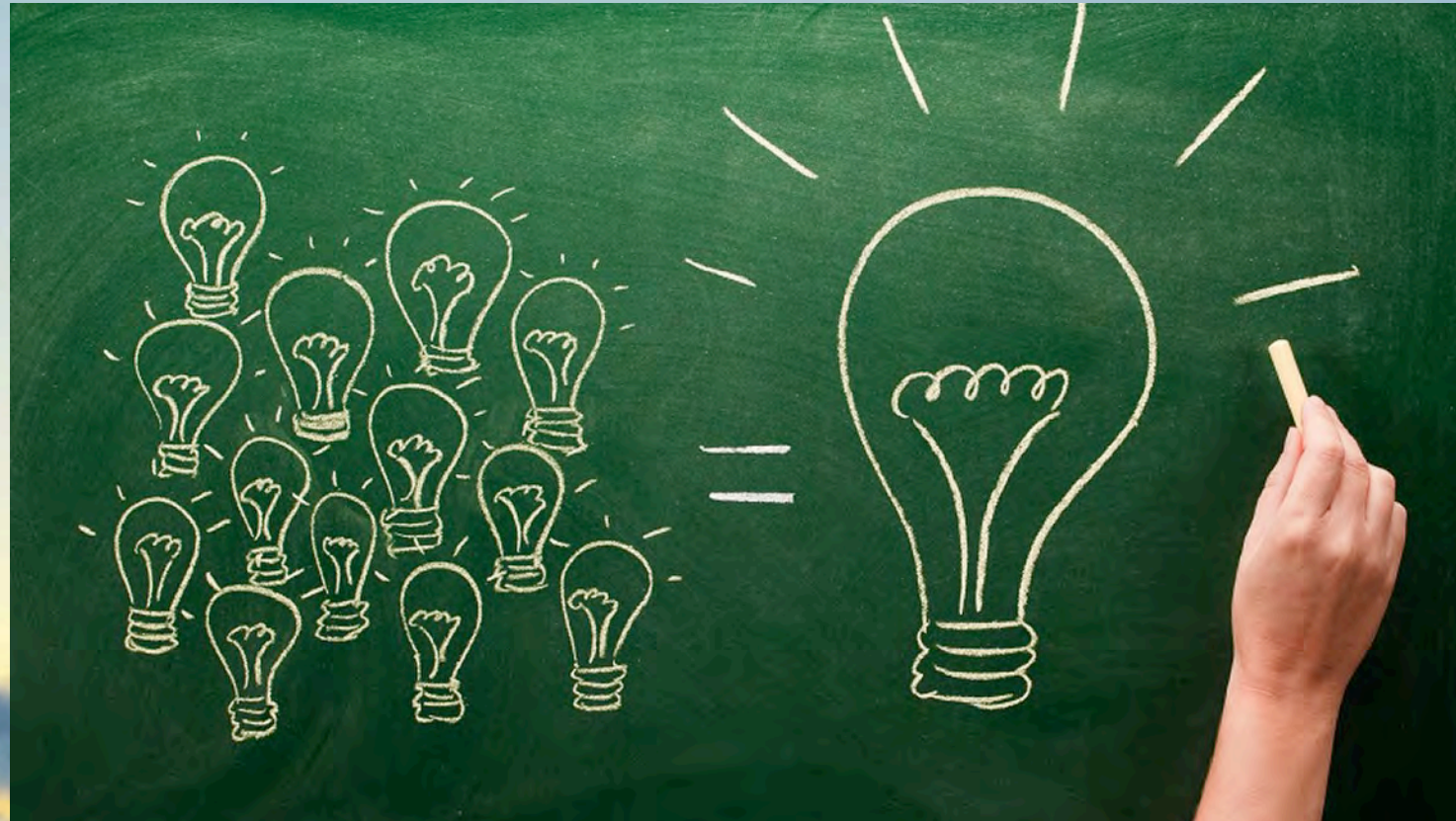
**Any
Questions
or
Comments**



Discipline Specific Classes



Expanding a discipline specific tutorial to be applicable for multiple disciplines.



Universal Strategies

- Encourage information seeking behaviors.
- Give students the tools to search for themselves.

The screenshot displays a video player interface for a 'Library Databases Tutorial'. On the left side, there is a 'Menu' with the following items: Home, Getting Started (Summon Search Box, Finding Databases, Research Guides, Getted Started: Summary), Keywords & Synonyms (Keywords, Synonyms, Keywords & Synonyms Summary), Boolean Operators (Boolean Operators, Boolean Operators Example, Boolean Operators Search Boxes, Boolean Operators Summary), Detailed Records (Detailed Records, Detailed Records Example, Detailed Records Summary), Refining Filters (Refining Filters, Refining Filters Summary), and Truncation & Wildcard Operators (Truncation Symbol, Wildcard Symbols, Truncation & Wildcard Operato..., Course Summary). The main content area has a red header with 'Library Databases Tutorial' and 'Resources' in the top right. Below the header, the title 'Library Databases' is in red, followed by 'Tips & Best Practices'. The main text reads: 'Welcome to the library tutorial for more effectively searching online databases. Please use the table of contents on the left to learn more about building complex search queries and using features built into the databases, or click **Next** on the lower right to review the content in order.' Below this, it says 'To find and access databases, please consult:' followed by three blue links: 'UC Library Homepage', 'Full List of Research Databases', and 'Research Guides'. The University of Cincinnati logo is in the bottom right corner. At the bottom of the video player, there are navigation controls including a play button, a progress bar, a refresh button, and a 'NEXT >' button.

Universal Strategies

- Search engine logic
 - Keywords
 - Boolean operators



Universal Examples

- Cross-disciplinary examples
 - Information technology
 - Education
 - Counseling
 - Criminal justice
- Scalable & improves delivery

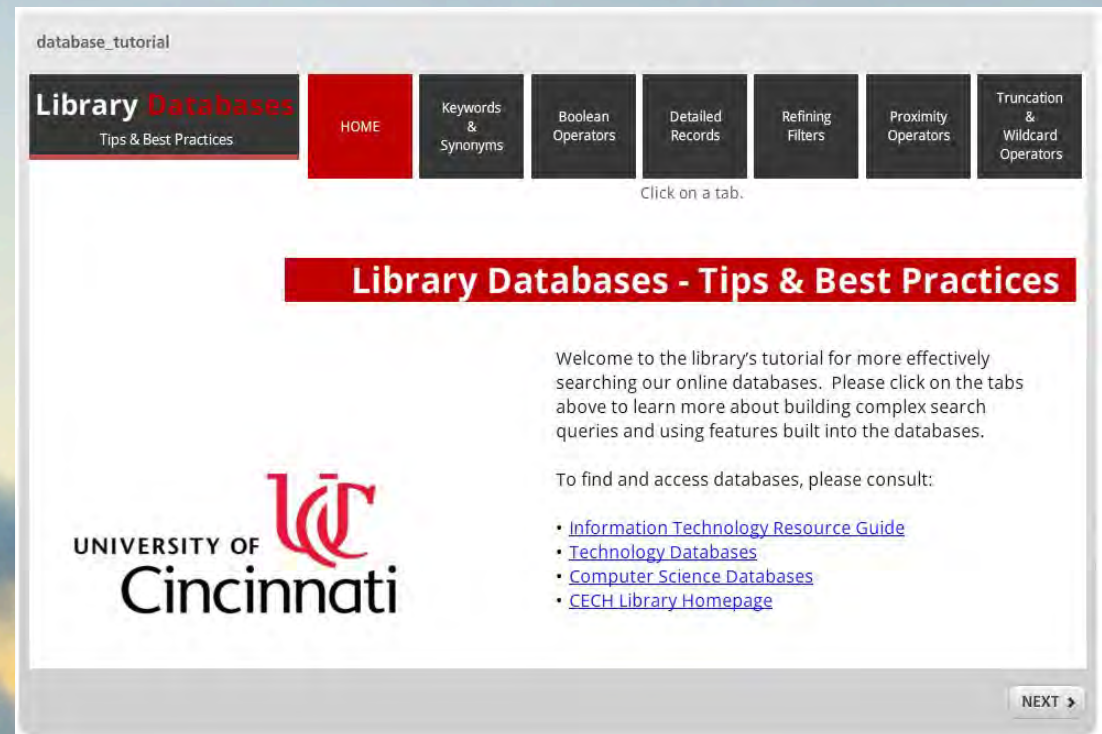
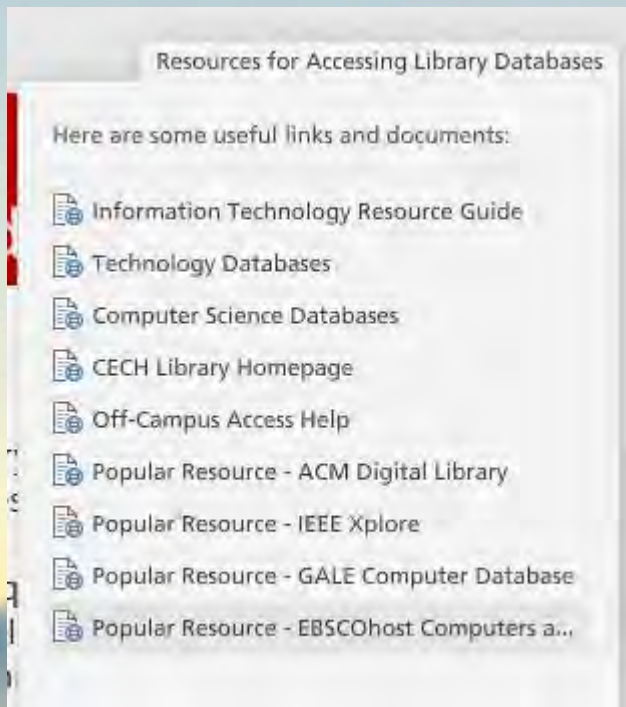
Do **video games** encourage
violent behavior in **children**?

Keywords

video games
violent behavior
children

Modular Design

Supplemental Resource Areas can be customized for specific topics.



Modular Design

- YouTube cannot replace videos.
- Vimeo and Kaltura can.



Expand Distribution

- Embed the tutorial in LMS course shells.
- Who manages your LMS?



Testimonials

“This was incredibly helpful for learning how to do research in the library. I wish I could have learned this information as a freshman.”

“I did not realize that we had the use of truncation and wildcard operators. Thank you for including this specifically.”

**Any
Questions
or
Comments**





Senior: Presentation Formats


“Students have a greater role and responsibility in creating new knowledge...”

- *Framework for Information Literacy for Higher Education*



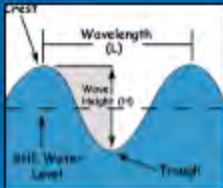
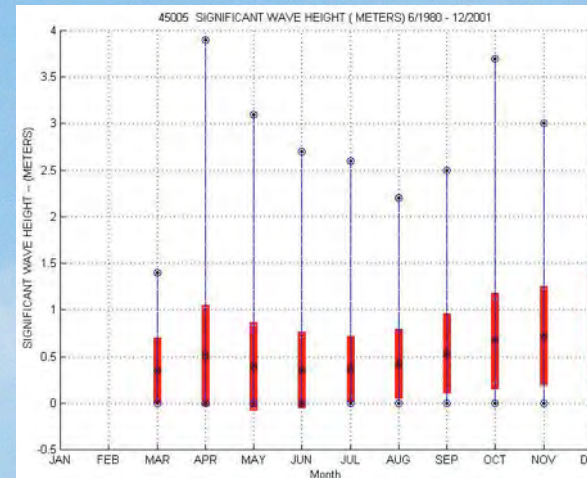
Waves

- > A disturbance which moves through or over the surface of a fluid
- > Mostly caused by winds (Also earthquakes, volcanoes, grav. pull)
- > Form of great energy



Wave Characteristics

- > **Parts of a Wave**
 - **Crest** = high point
 - **Trough** = low point
 - **Height** = vertical distance from crest to trough
 - **Wavelength** = Horizontal distance between crest to crest or trough to trough

Poll: Have you had a request for library instruction on visual presentation of information?



Poll: Do you think that we should provide such instruction?

Getting My Feet Wet: Introducing Students to Infographics



Activity I

Poll: Please rate the exhibits for the **impact** each of them made on you (1- lowest, 5 – highest)



Exhibit 1

2013 Ohio Infant Mortality Data: General Findings

INFANT MORTALITY IN OHIO

Infant mortality is defined nationwide as the death of a live-born baby before his or her 1st birthday. Infant Mortality Rate is calculated as the number of babies who died during the first year of life per 1,000 live births. It can be expressed as Overall Infant Mortality Rate, White Infant Mortality Rate, and Black Infant Mortality Rate.

In 2013, 1,024 infants in Ohio died before their 1st birthday, compared to 1,047 in 2012.

Ohio's Infant Mortality Rate based on 2013 (most recently available) data:

- Overall: 7.4 infant deaths per 1,000 live births
- White: 6.0 infant deaths per 1,000 live births
- Black: 13.8 infant deaths per 1,000 live births

The 2013 national Infant Mortality Rate:

- Overall: 6.0 infant deaths per 1,000 live births
- White: 5.1 infant deaths per 1,000 live births
- Black: 11.2 infant deaths per 1,000 live births

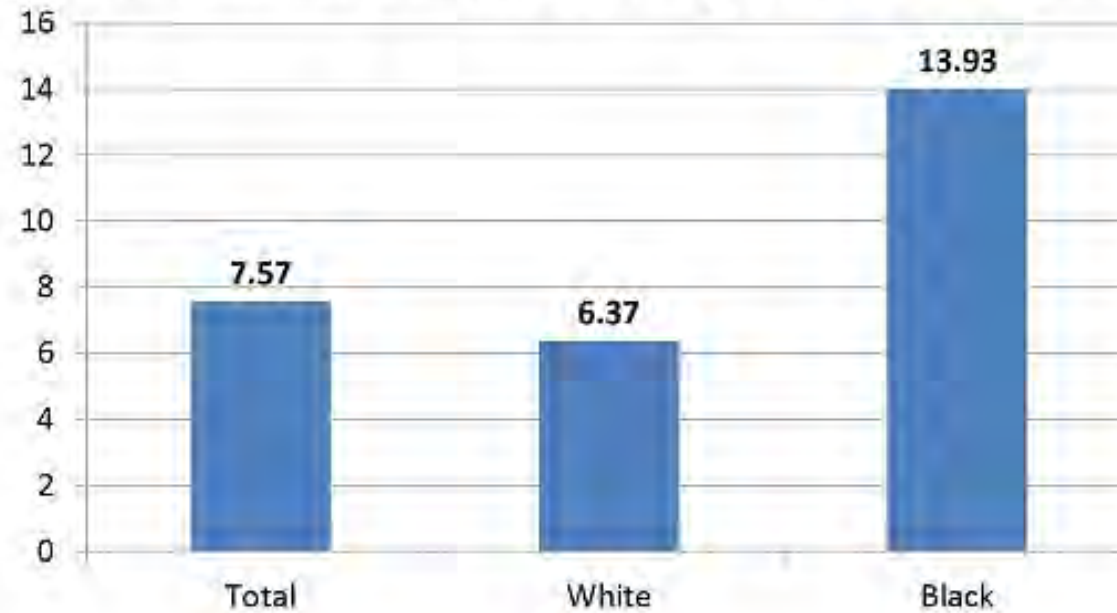
The national "Healthy People 2020" ¹ Infant Mortality Rate objective:

- 6.0 infant deaths per 1,000 live births.

Ohio's 2013 Overall Infant Mortality Rate was 23 percent higher than the national rate. Ohio's White Infant Mortality Rate was at the "Healthy People 2020" objective. The racial disparity in infant deaths in Ohio was substantial, with black infants dying at more than twice the rate of white infants.

Exhibit 2

Ohio Infant Mortality Rates - 2012



Deaths per 1,000 live births

Total deaths: 1,047

March 2014 release of final Ohio 2012 Infant Mortality Rate data

Source: Ohio Department of Health Vital Statistics

<https://www.odh.ohio.gov/odhprograms/cfhs/octpim/infantmortality.aspx>

Exhibit 3

DID YOU KNOW?



**1,000 OHIO
BABIES DIE**
EACH YEAR BEFORE THEIR
1ST BIRTHDAY

<http://www.ourbabiescount.org/about.html>

Exhibit 4



<http://wvpublic.org/post/ohio-experiences-jump-infant-mortality#stream/0>


Session Outline

- Power of visual information
- Importance of research and ideation
- Finding existing infographics and images
- Tools for creating infographics
- Infographics best practices

Activity II: Learn about SmartArt and Edit a Simple Infographic



1 in 141 babies die in the U.S. each year



There are approximately 20,000 newborn deaths within their first month of life and close to 30,000 in the first year



Babies born in the US are twice as likely to die than babies in many other developed countries, including Sweden, Japan and Spain; the United States is ranked 36th among 196 nations.

Pregnancy, Birth, and Health (2014): Examples of Students' Work



16% of Hamilton County infant deaths were associated by unsafe sleep.

SAFE SLEEP ABC'S

Babies should always sleep **A**lone,
on their **B**acks,
and in a **C**rib.

For further information go to www.cradlecincinnati.org

Smoking can
cause 15% of
women to lose
their baby.



Only you can make a difference.

To quit, Contact: <https://ohio.quitlogix.org/>

Or Call 1-800-QUIT-NOW (784-8669)



For further information go to www.cradlecincinnati.org

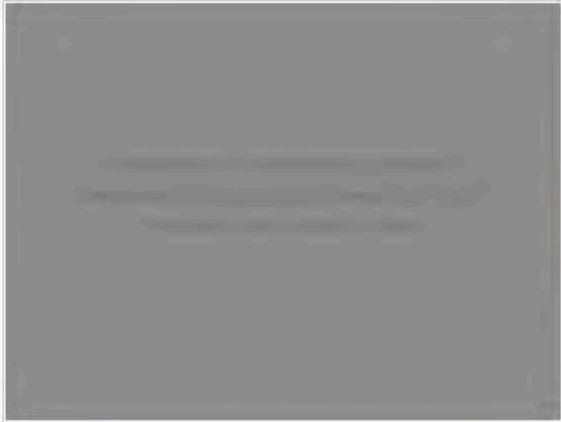
Diving In: Presentation Best Practices



Session Outline

- PowerPoint dos and don'ts
- Finding and using quality images
- Importance of research and ideation
- Tools for creating infographics
- Best practices for infographics, brochures, and newsletters

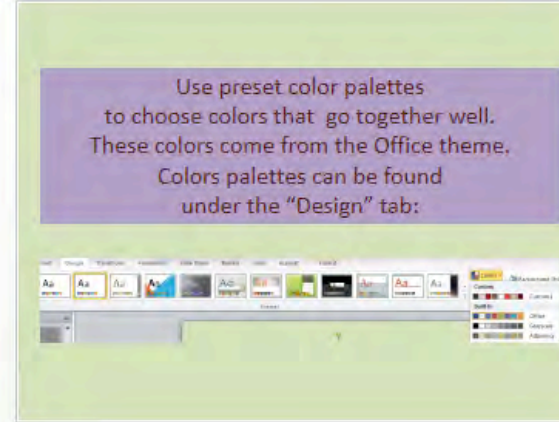
Activity I: Applying Best Practices to Slides



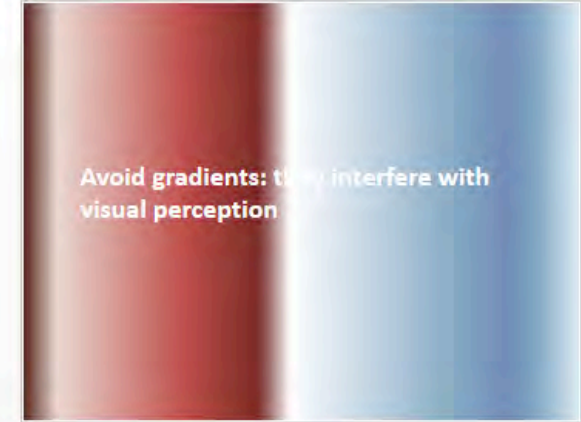
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6



7



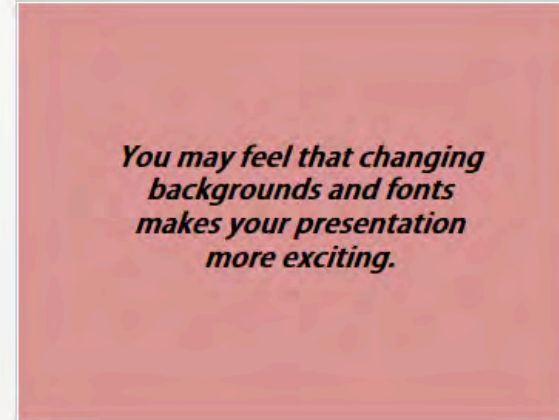
8



9



10



11



12

Activity II: Transforming Text into Slides

EATING ON CAMPUS. By: Velazquez, Eric, Joe Weider's Muscle & Fitness, 07445105, Oct2006, Vol. 67, Issue 10 (abridged)
(Tips for guys from bodybuilding nutritional expert Chris Aceto)

College is filled with temptations, and your handy on-campus cafeteria meal plan is no exception. For most freshmen living away from home for the first time (so sweet is the liberation from the watchful eyes of your parents and their broccoli-laden menu), it's easy to load up on more appetizing (and fattening) foods like fried chicken, pizza and all-you-can-eat french fries.

The Freshman 15 isn't exactly a myth. A Cornell University (Ithaca, New York) study showed the majority of men gain 4.2 pounds in their first 12 weeks of college. Women stand to gain nearly twice that amount.

THE USUAL SUSPECTS

Two main culprits lead to the typical metabolic slowdown in college: portion size and food choice.

PORTION CONTROL. "There will naturally be a tendency to overeat," says bodybuilding nutritional expert Chris Aceto. "Most campuses allow access to buffet-style eating, and the ones that don't – like the majority of eateries in our culture – serve huge portions."

You should be looking at about 2 cups of rice or a medium plate of pasta. To net 6-8 ounces of chicken, lean beef or turkey breast, select one portion slightly larger than the palm of your hand. Watching your portion sizes is the first step toward making the dining hall work for you and your fitness goals.

SELECTION Speaking of pasta... it's probably not the noodles that are making your jeans tighter. It's the fat- and calorie-laden (however tasty) sauces that do the most damage. And chicken is a great bodybuilding food -- unless it's smothered in gravy or deep-fried into oblivion. Avoid anything fried. Frying can add 100% or more of the caloric value of whatever you're eating.

MACRONUTRIENT ROLL CALL

If you're sticking to your workout program and staying active through on-campus programs like intramurals or intercollegiate sports, then you'll need to keep your calorie count in the neighborhood of 3,000-3,500 per day to maintain or grow muscle. If you're a little less active or trying to get or stay lean, keep the calories to 2,300-2,800 per day.

The most important macronutrient in your diet is protein, and it should make up about 30%-40% of your total caloric intake. Beef choices include lean ground turkey, lean steak, chicken breast, egg whites and fat-free dairy products. You can also supplement your diet with protein-packed sides like black beans and hummus.

Slide 1: Eating on Campus
By: Velazquez, Eric, Joe Weider's Muscle Fitness


Slide 2: Tips for Guys from Bodybuilding Nutritional

- The Usual Suspects
- Macronutrients Roll Call
- Stick Right
- Good Foods
- Foods to Avoid


Slide 3: The Usual Suspect

- Portion Size
- Food Choice

MORE OF THESE



LESS OF THESE



Additional Resource: Page in a Guide

<http://guides.libraries.uc.edu/digliteracy/createpublish>

- Tools for creating various types of content
- Best practices for various presentation formats
- Links to sites for publishing content
- Links to selected software tutorials

Pregnancy, Birth, and Health (2015): Examples of Students' Work

Effects of NOT Spacing

Mother	Fetus
Placenta	Infant
Uterine Rupture	Weight
Bleeding	Problems

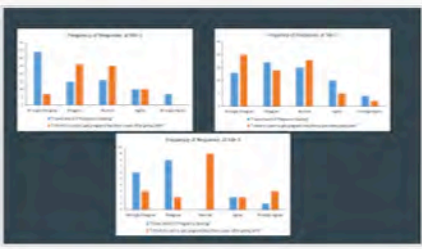
Research Methods Statistics at UC

Edney Hall at UC

Are you a parent? Yes/No
If yes, how many children do you have?
I am _____ years old.

Questionnaire

	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
I have heard of Pregnancy Spacing.	1	2	3	4	5
I understand what Pregnancy spacing is.	1	2	3	4	5
I think it is safe to get pregnant less than a year after giving birth.	1	2	3	4	5
I see at least a year apart in age from my siblings.	Yes		No		



The Importance of Pregnancy Spacing

Proactively creating a healthier environment for the baby during and after pregnancy.

How Women Can Practice Healthy Spacing

EXCLUSIVELY ASKED QUESTIONS

No prescription needed. Works up to 2-3 days. Available over the counter. All women can use it. Less effective if BMI is over 25. Cost about \$90-90*

No long term side effects. Some women report slight nausea, dizziness, or headaches. Unintended vaginal bleeding may occur.

You can buy it at your local pharmacy, prescribed by a doctor or local provider.

You can buy it at a higher level of a pharmacy your body makes consistently. In the past a form of abortion you can't be taken regularly.

CVS Walgreens Target Kroger

STOP

Testimonials

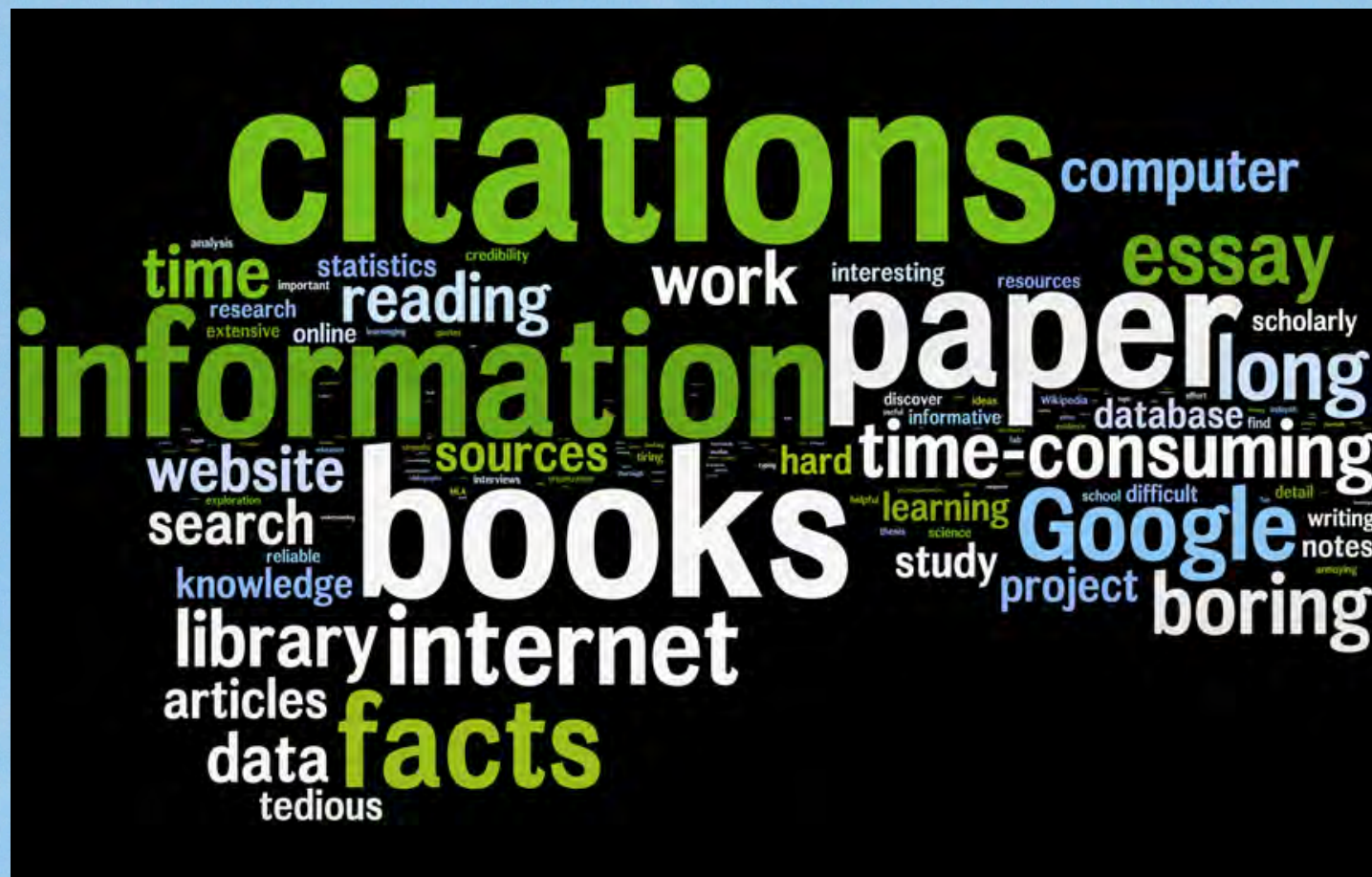
Students

- “Taught us something we have been expected to know.”
- "Knowing the techniques in presenting information in formats such as my slideshow has provided me a way to grab the audience's attention and inform them better of the topic, visually."

Faculty

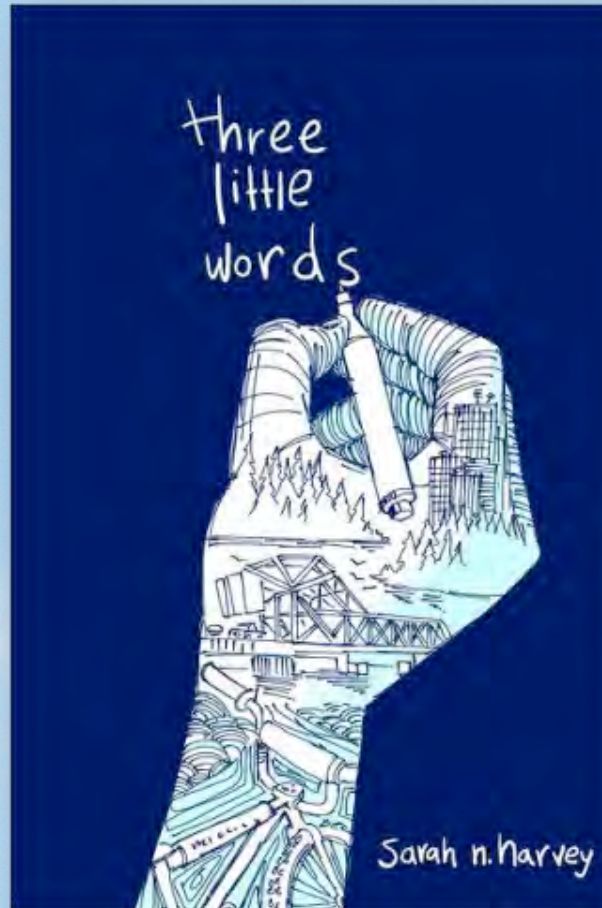
- Included more graphics, fewer words.
- Didn't read off slides as much.

Research 3 Words: First Year Students



Research 3 Words: Webcast Participants

- <http://www.wordle.net/>



**Any
Questions
or
Comments**



Image Credits



<http://www.picserver.org/h/high-school.html>



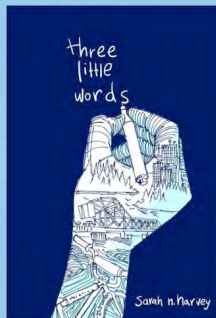
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<https://pixabay.com/photo-1359430/>

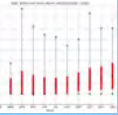


<http://www.kaltura.org/images/Kaltura-Sun.png>

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<http://www.lakeeriewx.com/CaseStudies/GayGamesSailing-2014/GayGamesSailing-2014.html>

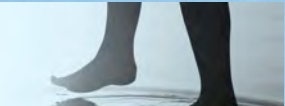


<https://www.pinterest.com/pin/426786502167115889/>

Waves PPT (Motion in the Ocean: Waves, Tides, and Currents) <http://www.hamilton.k12.nj.us/webpages/aschwing/resources.cfm?subpage=358703>



<http://mocsa.org/how-help/volunteer>



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