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Apples to apples? Lessons learned from a comparative evaluation of online platforms for interactive tutorials

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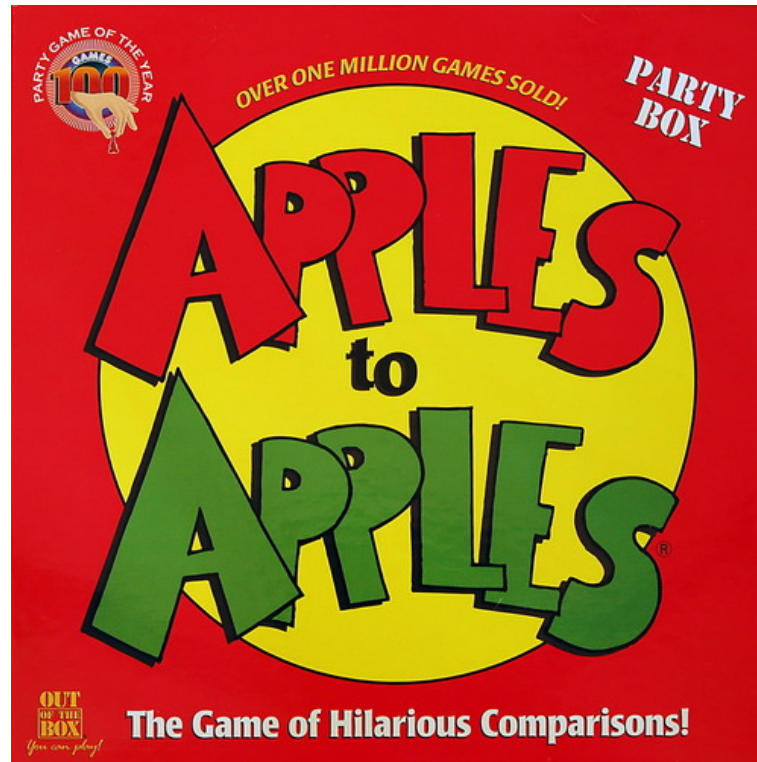


Apples to Apples?

Lessons Learned from a Comparative Evaluation
of Online Platforms for Interactive Tutorials

Graham Sherriff
University of Vermont

Problem: two platforms, small technical differences with far-reaching implications



Guide on the Side: learner view

The screenshot displays the Bailey/Howe Library website in a learner view. The browser window shows the URL `library.uvm.edu/guide_on_the_side/tutorial/finding-articles-with-asp-f16#step-11`. The page features a green header with the library name and logo, and a navigation bar with links to UVM, Home, CATQuest, Classic Library Catalog, Suggestions, and Connect from off campus. A search bar is also present.

The main content area is divided into four columns:

- Find:** Lists categories such as Books & More, Articles & More, Journal Titles, Course Reserve, Database Trials, DVDs, New Books and Videos, and UVM Theses and Dissertations.
- Services:** Lists services like Interlibrary Loan Request, Renew a Book, LRA Request, Recommend a Purchase, Group Study Rooms, Classroom Technology Services, For Faculty, From Off-Campus or Abroad, and Statistical Software Support and Consulting Services.
- Help:** Lists help topics such as Ask a Librarian, Subject Specialists, Research Roadmap, Research Guides By Subject, Research Guides By Class, Citations, Style Guides, and Information Management Tools.
- UVM Libraries & Collections:** Lists various collections and resources, including About the Libraries, Center for Digital Initiatives, Dana Medical Library, Government Information & Maps, Library Research Annex, Maple Research Website, Media Resources, ScholarWorks @ UVM, Special Collections, and Vermont Digital Newspaper Project.

The sidebar on the left, titled "Refining your search results", provides tips for finding scholarly articles. It includes a "Problem: my results aren't scholarly" section with a "Check Answer" button and a "Let's remind ourselves: what is peer review?" section with three radio button options. At the bottom of the sidebar, there are navigation arrows and a footer that reads "Powered by Guide on the Side from the University of Arizona Libraries".

Advantages

- Autonomy
- Authenticity
- Web-scale content (almost)

The screenshot displays a web browser window with the URL library.uvm.edu/guide_on_the_side/tutorial/engaging-with-information-f16. The page features a sidebar on the left titled "ENGAGING WITH INFORMATION (ENGS 001 FALL 2016)" and a main content area on the right for FactCheck.org.

Information overload
3 of 3
Information can also be unreliable or misleading.
Have a look at this report from FactCheck.org: <http://www.factcheck.org/2015/08/the-bear-facts/>

Senator Harry Reid told the U.S. Senate that climate change is affecting black bears' hibernation patterns. What was the evidence for this claim?

- He had seen black bears walking around Washington DC in winter.
- He had spoken with the California Department of Fish and Wildlife (CDFW).
- Newspaper reports.
- There was no evidence of any kind.

[Check Answer](#)

The UVM librarians will help you find sources of reliable information - but it's always important to think critically about what you are reading and hearing.

Powered by [Guide on the Side](#) from the [University of Arizona Libraries](#)

FACTCHECK.ORG A Project of the Annenberg Public Policy Center

HOME ARTICLES ASK FACTCHECK 2016 ELECTIONS VIRAL SPIRAL ARCHIVES ABOUT US SEARCH MORE

SCICHECK · THE WIRE

The Bear Facts

By *Dave Levitan* Posted on August 14, 2015

Like 1.1K Tweet Pin It Share 34

Senate Minority Leader Harry Reid has said at least twice that climate change is causing bears in the Sierra Nevada mountains to change their hibernation patterns. There is no evidence that climate change is actually having such an effect.

On July 29, Reid, a Democrat from Nevada, spoke on the Senate floor (at the 5:30 mark) about some of the damaging effects of a warming climate:

Reid, July 29: *The drought that's affecting all across America, but especially in the West. It's so bad, Mr. President, so bad in the West that in the Sierras there are hot bears who don't even hibernate anymore. It's not cold enough.*

In another Senate floor speech on July 15, he made a similar claim: "We have things happening that have never been recorded before. In the Sierras some bears are not hibernating."

We could find no published evidence regarding changes to black bear hibernation, and biologist Jesse Garcia of the California Department of Fish and Wildlife told us that "we have no data or specific evidence" that black bears in the Sierras have changed their hibernation patterns.

Black bears are not "true" hibernators, in that their metabolism and body temperature do not drop as dramatically as those of other animals, such as chipmunks and squirrels, according to the CDFW. And in spite of the ongoing drought and recent extremely warm years, Garcia told us in an email that black bears' activity has not changed:

ASK FACTCHECK

Like 11K Tweet Pin It Share 5K

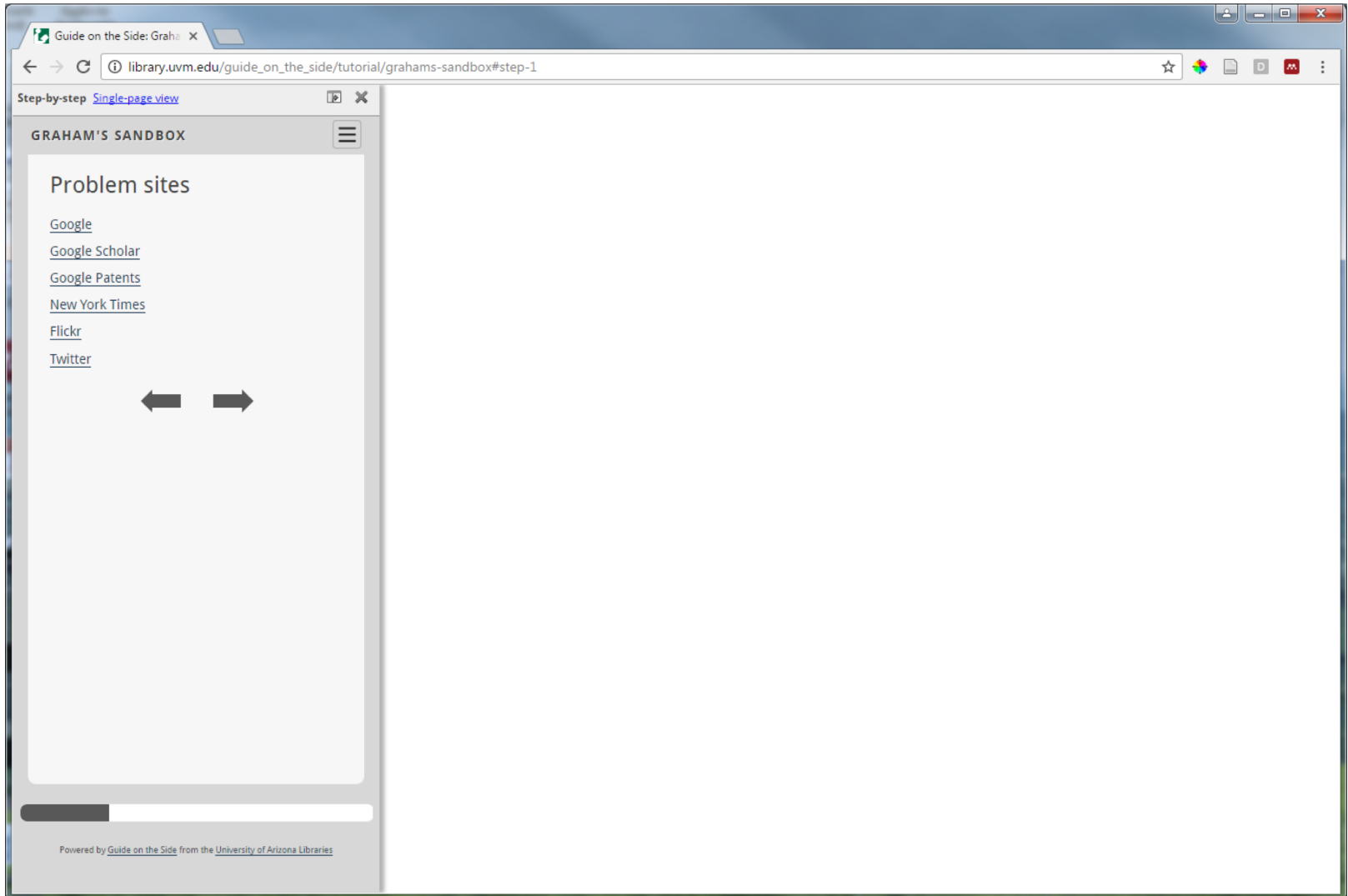
Q: Did Hillary Clinton volunteer in 1975 to defend a rapist, who was found not guilty, and laugh about it in an interview in 1980?

A: Clinton defended an accused rapist, but she did not volunteer. He pleaded guilty to a lesser offense. She laughed when recalling unusual aspects of the case.

Read the full question and answer
View the Ask FactCheck archives
Have a question? Ask us.

[CLICK HERE TO DONATE NOW](#)

Frustrations



Satisfaction



3. Free (like kittens)

2. Scalability

1. Suited to formative learning

Guide on the Side at UVM

Library Tutorials and Assi x

researchguides.uvm.edu/english1/tutorials

THE UNIVERSITY OF VERMONT LIBRARIES
Research Guides
Ask. Discover. Create.

UVM Libraries / UVM Libraries Research Guides / Bailey/Howe Library / ENGS 001: Written Expression (Fall 2016) / Library Tutorials and Assignments

ENG 001: Written Expression (Fall 2016)

Search this Guide Search

Home Library Tutorials and Assignments Before You Search Research Log Evaluate Articles Use Article Databases

Use CATQuest Cite Your Sources Ask a Librarian

Assignment Sequence

The tutorials and guides listed below are required course work for all sections of ENGS 1. Each class will complete the guides and tutorials listed but the dates will vary for each section. Talk with your instructor for more details.

Before You Search
This page describes a strategy for generating keywords before you start to search and provides links to recommended sources for locating background information on a topic. It also includes a link to the **Keyword Brainstorming Table** which you should print out and complete.

Research Log
Learn to keep track of your research process with a research log. **The Research Log** document which you will need to complete as you do your research is available from this page.

Evaluating Information (Engaging with Information)
This freshly revised guide introduces you to the wide range range of research materials you will encounter as a college student and provides you with standard criteria you can use for evaluating information.

Databases 101
Selecting the right search tool for your research needs is an important part of the research process. This quick guide will help you understand why library databases are essential and the kinds of information you can expect to find with them.

Finding Articles with Academic Search Premier
Academic Search Premier is one of UVM Library's most used databases. It is a multi-disciplinary database that provides access to scholarly journal literature as well as access to magazine articles and some newspaper articles. Although it's simple to use, there are a few fantastic features we'd like you to know about to make sure you're getting the most out of it. This tutorial includes a quiz. You must send a copy of your answers to your instructor by following the directions in the quiz.

Sources of Information: Articles (The Place of Scholarly Articles)
An overview of some of the many different types of information, and how you might use each. This tutorial includes a quiz. You must send a copy of your answers to your instructor by following the directions in the quiz.

CATQuest Overview
CATQuest is a tool that searches much of UVM Libraries' physical and digital collections. It can be used to find books, articles, videos, and more. This guide will introduce you to some of CATQuest's many features and help you find exactly what you need.

LibWizard: learner view

The screenshot displays the CATQuest library search interface. The browser address bar shows the URL `uvm.libsurveys.com/finding-a-book`. The page title is "Finding a Book in the Lib". The CATQuest logo is prominently displayed at the top, with navigation links for "Bailey/Howe", "Dana", "Journals A-Z", "Research Databases", "Classic Catalog", "Help", and "Language: English".

The search bar contains the query "collapse jared diamond" and the selected library "CATQuest". The search results are displayed as follows:

- Results 1 - 10 of 2,176 for CATQuest** (Sorted by: Relevance)
- Filters: **Peer-reviewed Journals** (683), **Online Resources** (2,173), **Available in the Library** (2)
- 1. **Article**: A Critique: **Jared Diamond's Collapse** Put In Perspective. Emma Gause. Papers from the Institute of Archaeology, 01 September 2014, Vol.24(1) [Peer Reviewed Journal]. [Click here to view all versions](#)
- 2. **Book**: **Collapse : how societies choose to fail or succeed / Jared Diamond.** Jared M. Diamond 2005. **Checked out at BH Bailey/Howe Books (3rd Floor) (HN13 .D5 2005)**. [Recall / Hold](#) [Locations](#) [Full Record](#) [Reviews & Tags](#) [Virtual Browse](#)
- 3. **Article**: **Are We Collapsing? A review of Jared Diamond's Collapse: How Societies Choose to Fail or Succeed** Page, Scott E. Journal of Economic Literature, Dec., 2005, Vol.43(4), p.1049(13) [Peer Reviewed Journal]. [Click here to view all versions](#)
- 4. **Video**: **Collapse [videorecording] / National Geographic Television.** 2010. **Available at BH Bailey/Howe Media Resources (videodisc) (Ground Floor) (DVD 7771)**. [Recall / Hold](#) [Locations](#) [Full Record](#) [Reviews & Tags](#) [Virtual Browse](#)
- 5. **Book**: **National Geographic 125 years : legendary photographs, adventures, and discoveries that changed the world / by Mark Collins Jenkins.** Mark Collins Jenkins 2013. **Available at BH Bailey/Howe Books (3rd Floor) (QUARTO G3.N37 J46 2013)**. [Recall / Hold](#) [Locations](#) [Full Record](#) [Reviews & Tags](#) [Virtual Browse](#)

On the left side of the interface, there is a sidebar with the following sections:

- Personalize your results** (Edit)
- Expand My Results** (Expand My Results)
- Refine My Results**
 - Library Locations
 - Bailey/Howe Main (2)
 - Bailey/Howe Media (1)
 - More options
 - Resource Type
 - Articles (1,110)
 - Newspaper Articles (566)
 - More options
 - Subject
 - Diamond, Jared (164)
 - Social Sciences (158)
 - More options
 - Date

Below the sidebar, there is a "Next" button and a "Back" link.

Evaluation rubric

COMPARATIVE EVALUATION OF FRAME-BASED, LIVE-WEB TUTORIAL PLATFORMS

This rubric specifies the UVM Libraries' required characteristics of a platform for frame-based, live-web tutorials.

Categories

1. **Formative learning:** features that support the student's ability to achieve a tutorial's learning outcomes completely and in a manner that confers learning and confidence.
2. **Summative assessment:** features that support quizzing and grading.
3. **Data management:** features that support the aggregation and reporting of performance data.
4. **Ease of use:** features that simplify the platform's adoption, use and administration.

Levels of priority

Essential: characteristics that are integral to how our tutorials work and the attainment of learning outcomes.

Important: elements that are broadly desirable but not essential.

Optional: elements that offer minor enhancements and would not determine a decision on platform adoption.

Evaluation rubric



1. FORMATIVE LEARNING

Characteristic	Platform A	Platform B
Tutorials provide the learner with control of pacing.		
Tutorials provide the learner with the option to repeat sections.		
Tutorials allow the learner to make decisions and submit responses without penalty.		
Tutorials provide feedback to the learner's responses: <ul style="list-style-type: none">• Affirmative feedback to correct responses.• Corrective feedback to incorrect responses.• Custom corrective feedback to different incorrect responses.• Feedback is displayed immediately.		
Tutorials allow the learner to retake questions.		

Evaluation rubric: the returns







- Defining needs
- Evaluating against needs
- Comparing platforms
- Evaluating future upgrades and products
- Communicating with vendors

LibWizard 1.7.5 Update Now Live!

We have lots of exciting changes for LibWizard to share! With this update we're introducing fully customizable language options, new Patron data fields for Name, Phone, & Email, plus a bevy of bug fixes and smaller updates.

But first, we have exciting news – LibWizard's move to a new server infrastructure is complete. We moved to a new infrastructure with multiple backup and recovery points, which will

Results

	Guide on the Side	LibWizard
Formative learning		
Summative assessment		
Data management		
Ease of use		
Things we missed		

Custom feedback

Questions

Question:
Which of these are NOT shown on the first screen of results?

Path: p

Answer	Correct?	Response text
Wikipedia	<input type="radio"/>	<p>Response heading</p> <p>Try again. How many web searches have you done where Wikipedia isn't in the top 10 results? This search shouldn't be any different.</p>
Academic journal articles	<input checked="" type="radio"/>	<p>Response heading</p> <p>You got it. Web searches won't generally return scholarly articles, especially not in the first page of results.</p>
Commercial websites	<input type="radio"/>	<p>Response heading</p> <p>Try again. Web searches will be heavily populated with commercial sites.</p>
Product reviews	<input type="radio"/>	<p>Response heading</p> <p>Try again. You can expect lots of product reviews when you're doing a search like this on the web.</p>

LibWizard

Dashboard Forms Surveys Quizzes Tutorials

Edit Radio Field, id=665273

A field that provides a radio control for user input.

Display Properties

Answer Properties






Answer(?)
United States
 Require correct answer to continue? (?)

If wrong (?)
Try again. Check the information in the Country field.

Advanced Customization

g sta
at cont
content/
search 1
search r
questions P
search 2
evaluate
questions P
search 3
examine details
Questions Page Break
Test a standard 1
Questions Page Break
Test a standard 2
Enter your search here

Results

	Guide on the Side	LibWizard
Formative learning		
Summative assessment		
Data management		
Ease of use		
Things we missed		

Data management: GOTS

Outlook interface showing an email from uvmlibis@uvm.edu. The email subject is "Certificate of Completion for Engaging with Information (ENGS 001 Fall 2016)".

Completion Certificate for Engaging with Information (ENGS 001 Fall 2016)

Name: [REDACTED]
 Date: September 19, 2016
 Time: 10:54pm

Your tutorial results

Score: 7 out of 7 (100%)

#	Question	Correct?
1	According to this graphic, how much video footage do YouTube users post in every minute of the day? <i>72 hours</i>	Yes
2	Before the "asteroid theory", there was a lot of disagreement about dinosaur extinction. Which of these was NOT a proposed cause? <i>Rising sea levels</i>	Yes

At the bottom of the Outlook window, there is a status bar with "FILTER APPLIED" on the left, "CONNECTED" in the center, and "100%" on the right.

Data management: LibWizard

LibWizard Report - Getting started with Standards Infobase

Available Filter Options

Q1: search results

Submitted (?) from: to:

Current Filters Match all below Match any below

Question	Response
None - to add filters use the dropdown options on the left.	

Data Table

Field Analysis

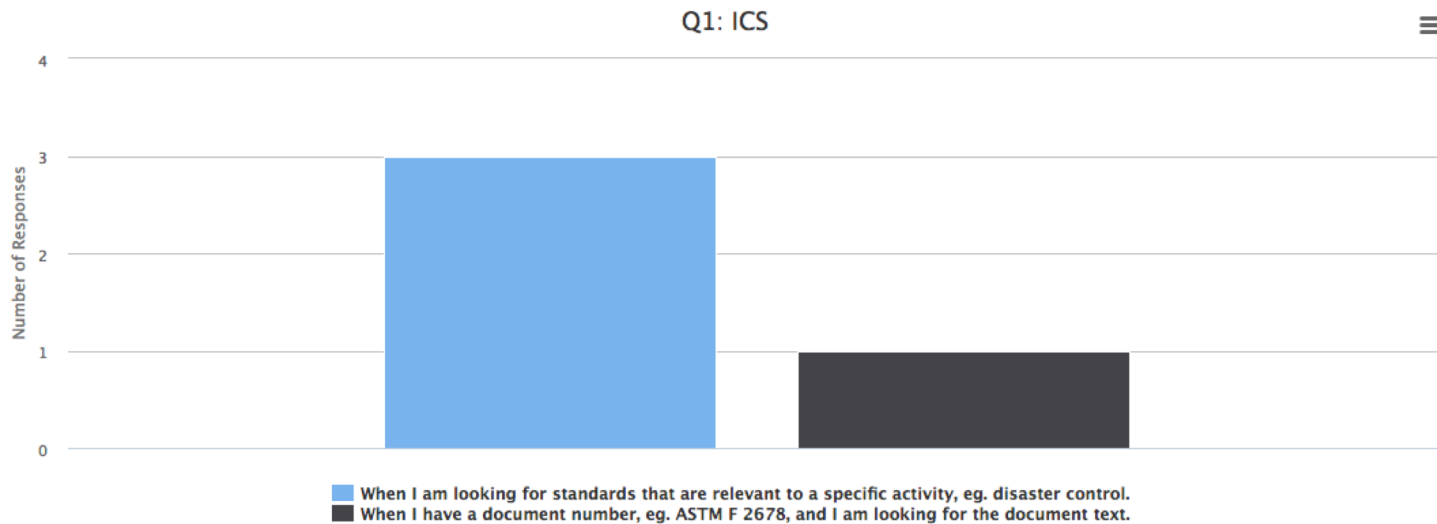
Cross Tab

Q1: ICS

Report






Chart type:

Column Chart



Back to list

Results

	Guide on the Side	LibWizard
Formative learning		
Summative assessment		
Data management		
Ease of use		
Things we missed		

Authoring: GOTS

You are logged in as gsherriff. [\[Admin index\]](#) [\[Change password\]](#) [\[Log out\]](#)

Guide on the Side


Edit 'Finding Articles with Academic Search Premier (ENGS 001 Fall 2016)' Tutorial Content

[<< Return to tutorial index](#)

Let's look for **recent research studies** relevant to the **conservation of bats**.

We need to find recent research studies about the conservation of bats. Which type of source should we focus on?

- Newspaper articles
- Books
- Websites
- Journal articles



A little brown bat ([credit](#)).

Chapter: Getting started

Path: p » strong

Log message: Give a reason for your revision

Unpublish

Edit information

Preview

Edit quiz

Authoring: LibWizard (tutorial view)

Getting started with Standards Infobase

Use the left column (Settings) to control the behavior and settings. Add content by adding 'slides' in the Workpad-Content. After adding a slide, click on the slide name to associate/add questions to it. Use the blue 'Save Changes' frequently to avoid losing work.

Tutorial/Assessment Settings

Basic Info

Title (?)

Friendly URL (?)

Description (?)

Optional Password (?)

Status (?) ▾

Limit visibility (?)

From (?)

To (?)

- Tutorial/Assessment Options
- Advanced Settings
- Look and Feel
- Submission behavior
- Widget Settings & Embed Code
- Reporting

Workpad - Content Area

You have entered some content/options on the Welcome Screen.
[Click here to edit your existing welcome message.](#)

-
-
-
-
-
-
-

Click to edit "Thank You Screen"
[Write a message the user will see at the end of the tutorial/assessment](#)

Authoring: LibWizard (slide view)

Getting started with Standards Infobase - Finding standards (slide 4/7)

Decide what content to show in the 'Slide Display' column and then add Questions/Descriptions which relate to this slide, in the 'Questions' column.

Save Changes Preview Slide Return to Workpad

Slide Content/Descriptions Bank

- KW search 1
- Q1: search results
- Questions Page Break
- KW search 2
- Q2: evaluate standards
- Questions Page Break
- KW search 3**
- Q3: examine details
- Questions Page Break
- Request a standard 1
- Questions Page Break
- Request a standard 2

Add Content/Descriptions

Reuse Questions

Slide Display (?) Edit Slide Content

SAI GLOBAL i2i platform Free Directory

Email Password

Keep me logged in Forgotten your password

platform [ˈplɑːfɔːm]
noun
a raised stage to display and be seen

Inform. Inspire. Improve.








Welcome to the i2i Platform for information management — Search Link & Watch.

Quick Search

Enter your search here

< Previous + Add Slide Next >

Results

	Guide on the Side	LibWizard
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Things we missed		



Questions & comments?

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