

Teaming Up During a Pandemic: Using a Team-Based Workshop Series to Develop Students' Science Information Literacy Skills



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Western Michigan University
Science Librarianship in the Time of COVID 19:
Winter 2021 Virtual Conference
Jan 13, 2021

Context

Western Michigan University

- Public university
- R2 Carnegie Classification
- Enrollment: 20,490 (fall 2020)



Context

Engineering, Health, and Sciences Team



Ed Eckel
Engineering and Applied
Sciences Librarian



Dianna Sachs
Health and Human
Services Librarian



Carrie Leatherman
Natural Sciences Librarian

In the Time of COVID-19

Three major changes:

- Majority of WMU classes moved online
- Library employees lost to budget cuts
- Library instruction switched to online only

New Needs of Library Users

Instructors

- Stressed
- Class time at a premium?

Students

- Stressed
- Less information literacy instruction?

Our hacks, methods, activities

Workshop Title	Date (2020)
The “COVID Infodemic”: Making sense of COVID-19 information	Sept 24
Science News Literacy: How to Fact Check the Sound Bites and Understand the Truth Behind the Story	Sept 29
Conducting a Literature Review in Science Disciplines	Oct 1
Protecting Your Digital Footprint	Oct 5
Searching the Patent Literature	Oct 7

Our hacks, methods, activities

Marketing:

- E-fliers to our liaison dept instructors
- Customized to dept/college interests
- Listed on libraries' event calendar

Sept 29: Science news literacy: How to fact check the sound bites and understand the truth behind the story ✓

October

Oct. 1: Conducting a literature review in engineering, health, and science disciplines ✓

Oct. 5: Protecting your digital footprint ✓

Oct. 7: Searching the patent literature ✓

Oct. 8: Intro to Mendeley ✓

Oct. 9: Getting the most out of Google Scholar

Oct. 23: Intro to Zotero ✓

October 26-30: Library Skills Week

November

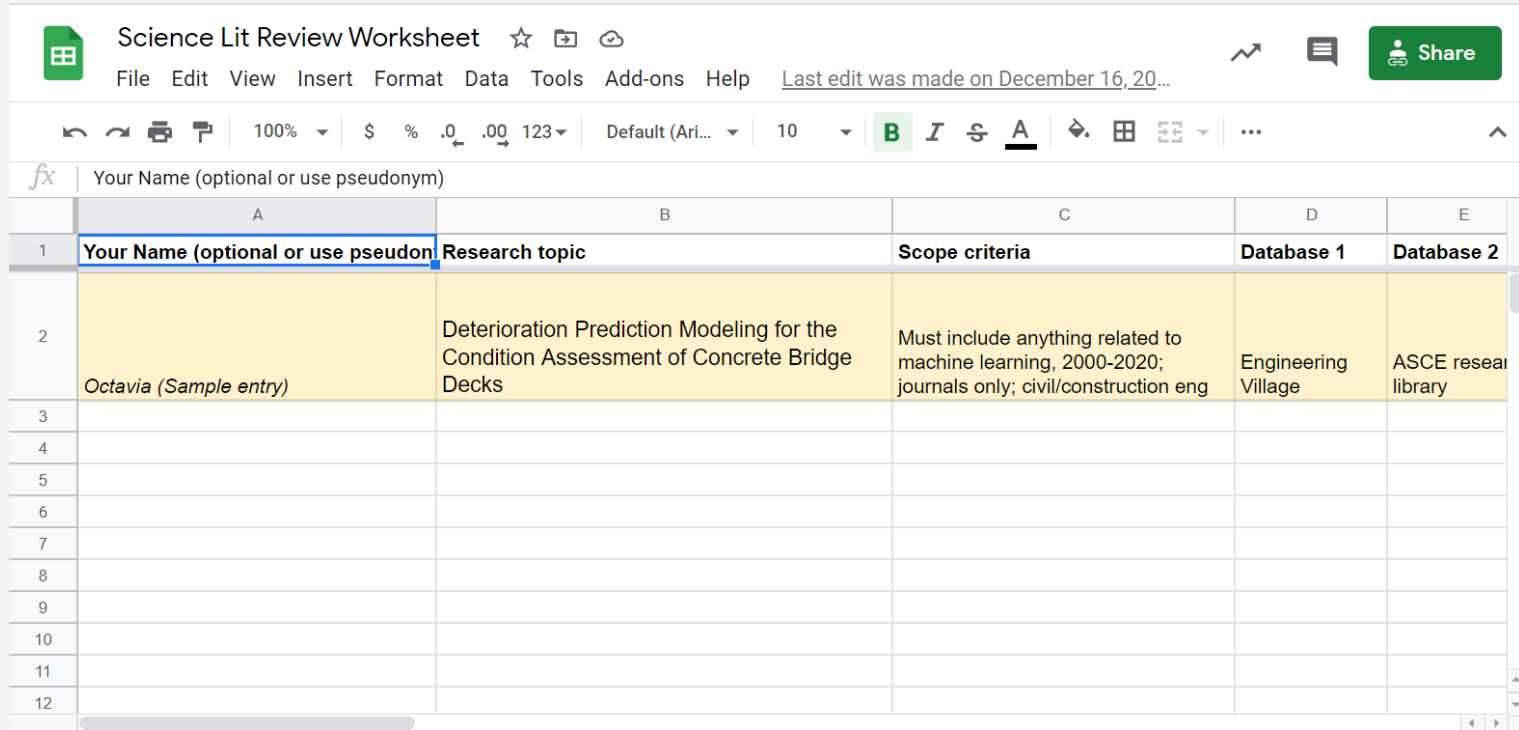
Nov. 9: Intro to Mendeley ✓

Nov. 18: Intro to Zotero ✓

December

Workshops and events recommended for CHHS by librarian Dianna Sachs

Our hacks, methods, activities



The screenshot shows a Google Sheets interface for a 'Science Lit Review Worksheet'. The spreadsheet has five columns: 'Your Name (optional or use pseudonym)', 'Research topic', 'Scope criteria', 'Database 1', and 'Database 2'. Row 1 contains the headers. Row 2 contains a sample entry for 'Octavia' with a research topic on bridge deterioration, scope criteria on machine learning, and databases 'Engineering Village' and 'ASCE research library'. Rows 3 through 12 are empty.

	A	B	C	D	E
1	Your Name (optional or use pseudonym)	Research topic	Scope criteria	Database 1	Database 2
2	<i>Octavia (Sample entry)</i>	Deterioration Prediction Modeling for the Condition Assessment of Concrete Bridge Decks	Must include anything related to machine learning, 2000-2020; journals only; civil/construction eng	Engineering Village	ASCE research library
3					
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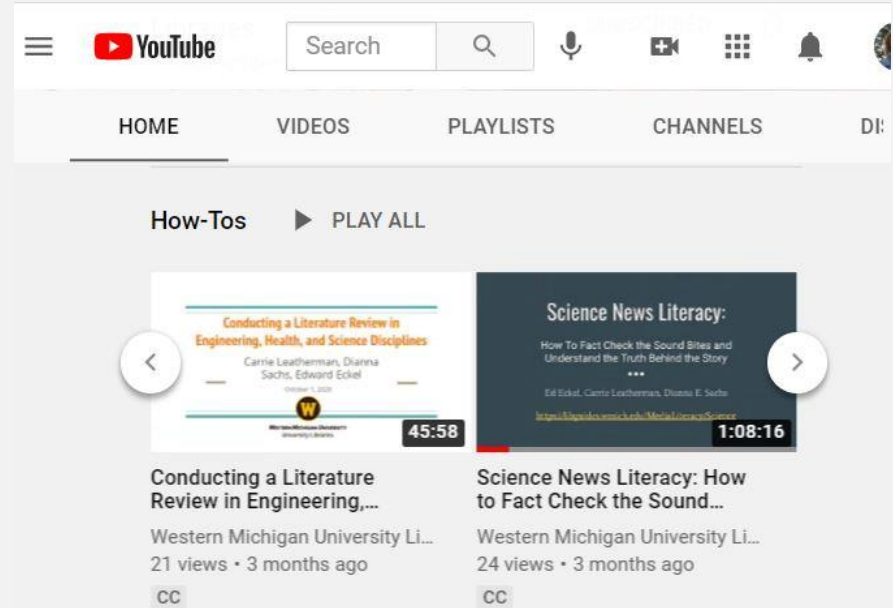
Our hacks, methods, activities

Workshop-Related LibGuide	URL
COVID-19 Resource Guide	https://libguides.wmich.edu/COVID-19
Media Literacy: Science News Literacy	https://libguides.wmich.edu/MediaLiteracy/Science
Protecting Your Digital Footprint	https://libguides.wmich.edu/digitalfootprint
Engineering – Patents	https://libguides.wmich.edu/engineering/patents

Text

WMU Libraries YouTube channel

https://www.youtube.com/channel/UCx3MnFIX_rS7K2rX9mTPWGA



The screenshot shows the YouTube interface for the WMU Libraries channel. At the top, there is a search bar and navigation icons. Below the navigation bar, the channel name "How-Tos" is visible, followed by a "PLAY ALL" button. Two video thumbnails are displayed in a grid. The first video is titled "Conducting a Literature Review in Engineering, Health, and Science Disciplines" by Carrie Leatherman, Dianna Sachs, and Edward Eckel, with a duration of 45:58. The second video is titled "Science News Literacy: How To Fact Check the Sound Bites and Understand the Truth Behind the Story" by Ed Eckel, Carrie Leatherman, and Dianna E. Sachs, with a duration of 1:08:16. Both videos are from Western Michigan University Libraries and were uploaded 3 months ago. Both have a Creative Commons license icon.

HOME VIDEOS PLAYLISTS CHANNELS DI:

How-Tos ▶ PLAY ALL

Conducting a Literature Review in Engineering, Health, and Science Disciplines
Carrie Leatherman, Dianna Sachs, Edward Eckel
October 3, 2020
45:58

Science News Literacy: How To Fact Check the Sound Bites and Understand the Truth Behind the Story
Ed Eckel, Carrie Leatherman, Dianna E. Sachs
<https://guides.libwesternu.edu/MediaLiteracy/Science>
1:08:16

Conducting a Literature Review in Engineering, Health, and Science Disciplines
Western Michigan University Li...
21 views • 3 months ago
CC

Science News Literacy: How to Fact Check the Sound...
Western Michigan University Li...
24 views • 3 months ago
CC

The challenges of remote instruction

- Anticipating needed info lit skills
- Getting the word out
- Convincing students worth attending
- Adapting exercises to online instruction
- Gauging student learning in the moment

Outcomes

- Workshop series a success
- Student satisfaction
- Balance between streamlining effort, maintaining subject specificity

Sources

Slide 2.

- Map: <https://en.wikipedia.org/wiki/Michigan>
- Classification: <https://wmich.edu/institutionalresearch/peers>,
https://carnegieclassifications.iu.edu/classification_descriptions/basic.php
- Enrollment: <https://wmich.edu/institutionalresearch/interactivedashboards/enrollment/data>

Slide 3. Image: <https://wmich.edu/library/directory>

Slide 5. Image: <https://wmich.edu/library>

Thank you!
Questions?

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