PREPARING YOUR CROP:

Understanding Student Experiences with New Technology and the Impact on Instruction

Presenters:

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Objectives

- Summon in our Library
- Previous Research
- Study Design
- Results
- Implications for Teaching and Using the ACRL Framework

Who We Are

- Kraemer Family Library
 — midsize
 academic library serving a
 community of approximately
 12,000 undergraduate and
 graduate students.
- Instruction—We primarily teach one-shot classes and do not teach a for-credit information literacy course.



Summon in our Library

Summon Consortia Deal

- In 2015, the University of Colorado system (Boulder, Denver, Colorado Springs, Anschutz) was offered a deal on Summon by Ex Libris
- To receive a discounted price, all four libraries had to agree to subscribe to Summon





Summon and Instruction

Pre-Summon:

- Instruction sessions largely focused on teaching interfaces
- Critical thinking skills were on a class by class basis and depended on time

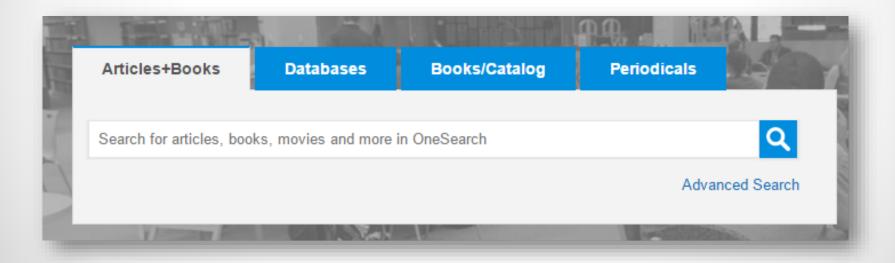
Summon and Instruction

What do we do with Summon?



Launching Summon

Website Redesign:



Previous Research

Previous Research

- Students want library search tools to mirror popular search tools (Buck & Steffy, 2013)
- Students have a hard time evaluating results (Asher, 2013)
- Librarians prefer to teach the traditional library interfaces (Kulp et al., 2014)

Learn More

- Learned about what other libraries were doing
- Needed a better understanding of how students, librarians, and faculty interact with Summon at UCCS

Decision: conduct a usability study to determine how intuitive our students found Summon and how they handled research

Study Design

Usability Study: Five Tasks

- 1. Find a book and identify its availability and call number
- Determine how many books and eBooks were available on a given topic
- 3. Find a video recording and identify its availability and call number
- 4. Find a journal article, locate its citation in MLA format, email themselves a link to the article, and access the full text
- 5. Locate two peer-reviewed journal articles published in the last five years relevant to a provided research topic, locate MLA citations for each, email both articles to themselves, and access the full text

Pre- and Post-Surveys

- Pre-Survey: Asked questions about...
 - Demographics, library instruction, frequency of library usage, and confidence in using library tools for research
- Post-Survey: Asked questions about...
 - how difficult they found Summon for research, whether they preferred using Summon to the library catalog and databases, and confidence level in using Summon

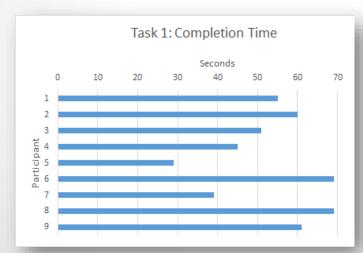
Results

Participant Demographics

- 9 total participants
 - Four freshman, one sophomore, three seniors, and one graduate student
- 2 participants previously had library instruction
 - o Both were seniors
- 7 had never used Summon before, 2 were unsure

Results: Known Item Tasks 1 & 3

- All 9 participants completed these tasks in under two minutes
- Some participants struggled with the Content Type facet in Task 3, which accounts for the greater variation in completion time

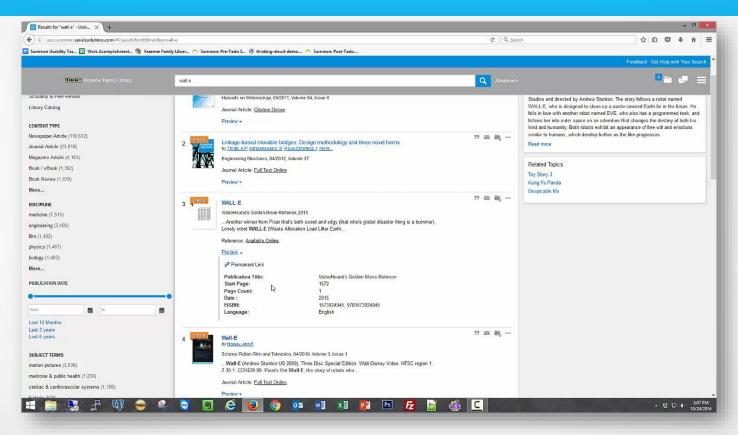


Task 1: Find a known book



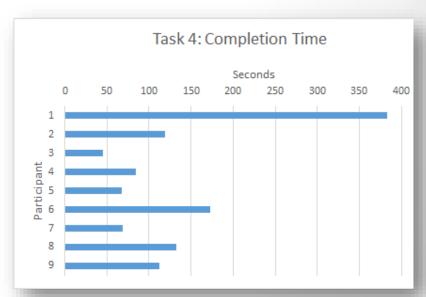
Task 3: Find a known film

Problems Applying Content Type Filters



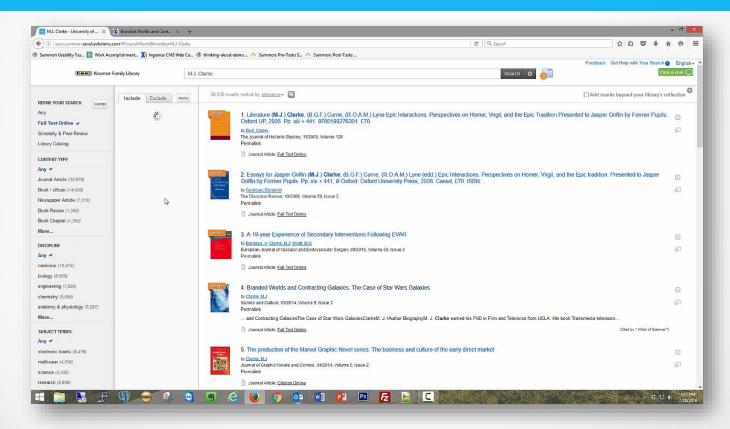
Results: Known Items Tasks, contd.

- Participants had no trouble locating the correct article
- Several struggled with locating Summon's pre-formatted citations feature
- Participant 1 took more than four minutes to locate the MLA citation



Task 4: Find a known journal article

Problems Locating Citation Feature



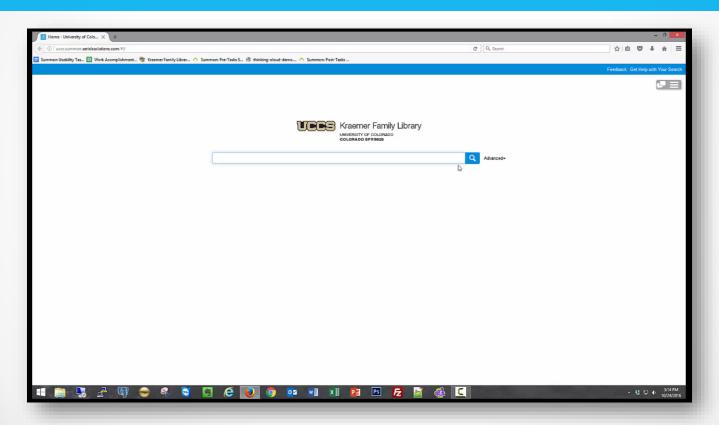
Results: Topic Research Task

- Results were far more mixed when participants were asked to research a topic
- Participant 8 was unable to complete the task
- Participants mainly struggled with keyword formation



Task 5: Find two journal articles published in the last five years about a given topic

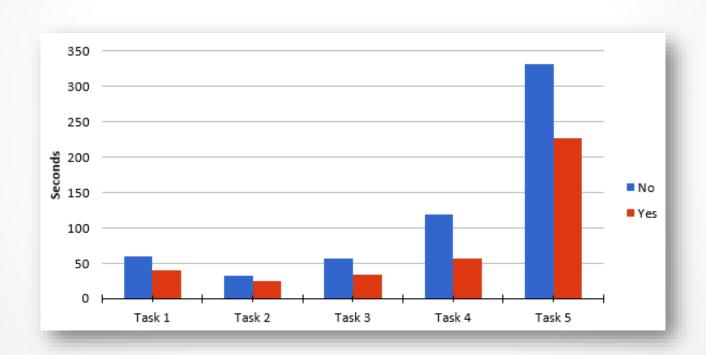
Problems with Keyword Development



Results: Other Observations

- 7 of the 9 participants reported they were confident and 2 reported they were somewhat confident in their ability to use Summon to research a topic
- Their actual performance suggests the participants overestimated their own confidence in using Summon for topic research
- One of the confident participants was unable to complete task 5
 and the two somewhat confident participants took a median
 time of more than 11 minutes to finish

Performance With/out Library Instruction



Implications for Teaching and the ACRL Framework

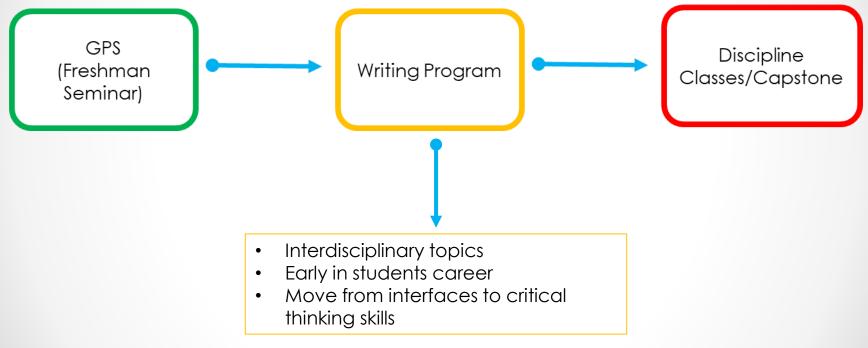
Teaching Considerations

Intuitive search interface

Known item searches

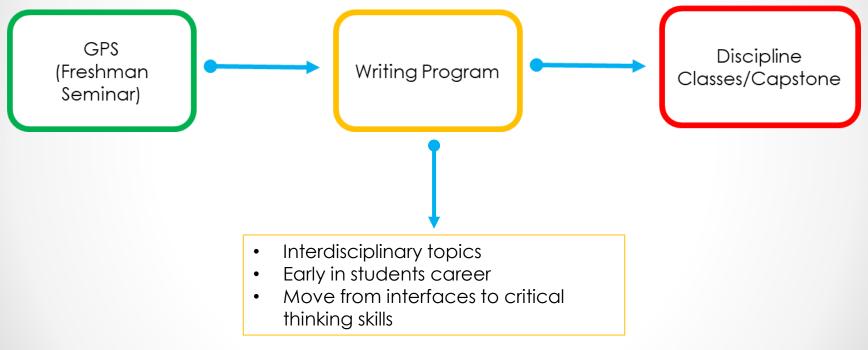
Topic searches

Instruction Decisions



Students will be able to apply Boolean strategies in online searching to produce concise search results.

Instruction Decisions



Students will be able to develop search strategies that are appropriate to the research question and to the tools being used.

Framework Activity

Searching as Strategic Exploration

- Sample search
- https://padlet.com/cpiper3/v090krxai31j
- Revise Your Search

Framework Activity: Searching as Strategic Exploration

Knowledge Practices:

- Utilize divergent and convergent thinking when searching
- Design and refine needs and search strategies as necessary, based on results
- Use different types of searching language

Dispositions:

 Understand that first attempts at searching do not always produce adequate results

Framework Activity Idea: Scholarship as Conversation

- Moving from Google to Summon
 - o Building your background knowledge of a topic
 - Natural starting point for students
 - Natural interface comparison that isn't intimidating
 - Allows for more in-depth conversation about information sources

References and Resources

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Thank You! Questions?

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