

UC Irvine

LAUC-I and Library Staff Research

Title

Review, Revise, and (re)Release: Updating a Science Information Tutorial for Today's Students and Tomorrow's Scientists

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Review, Revise, and (re)Release

Updating a Science Information Tutorial for Today's Students and Tomorrow's Scientists

Abstract

Students in the fields of science have unique information needs that are often not met by standard bibliographic instruction. This project examines how to meet the needs of these students, particularly those with limited exposure to the libraries, through the redesign of a science information tutorial used as an outreach instrument and instructional tool for students at the undergraduate level.

Review

The Finding Science Information Tutorial (2008)

- Audience: undergraduate students
- Featured informative content, linked resources, interactive activities & quizzes
- Incorporated ACRL's Information Literacy Competency Standards for Science-Technology/Engineering

Due for Revisions

- Make Consistent with Current Version of Begin Research Tutorial
- Update design, technology, navigation, and content
- Always intended to be updated

Reflections & Recommendations

- Repeat the needs assessment with 6 Students (3 repeating & 3 new)
- Regularly evaluate tutorial for relevancy and accuracy
- Consider further contextual layers, such as a narrative comic

(re)Release

- Spotlight on the UC Irvine Libraries' website
- Implement Scaramozzino's outreach strategy targeted to specific science classes
- Market on Facebook and other social media tools
- Feature on Subject/Course Libguides
- Include article in *Faculty Update* newsletter



Reconnaissance

Literature Review

- Tutorial revisions or updating
- Tutorial usability testing
- Website usability testing

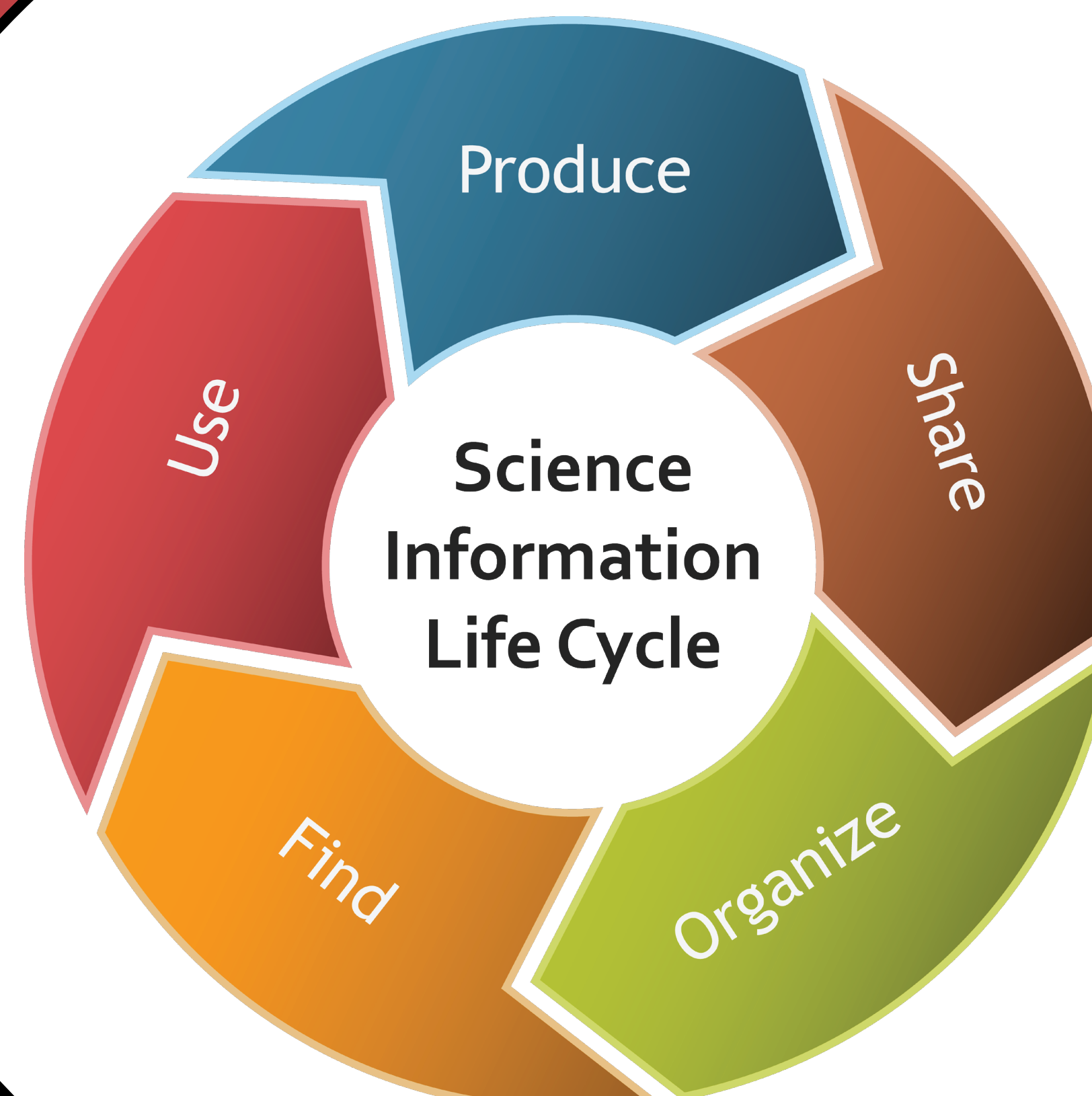
Student Usability Testing Process

- Created a script and outline for the interview
- Recruited 6 students of diverse demographics
- Interviewed and observed students individually

Results of Testing

- Students did not make connections between concepts
- All Students filtered out different information
 - Students varied on which content they consumed or skipped
 - Some preferred activities and others preferred text

Science Information Life Cycle



Revise

First Steps of Revision

- Students needed context => idea of the Science Information Life Cycle
- Broke down 3 sections of original tutorial to pull out simple concept themes
- Structure the new 5 modules to reflect the Science Information Life Cycle.

Final Product

The Life Cycle of Information Differs in the Sciences, Social Sciences, and Humanities

- **PRODUCE:** The methods for producing science information will impact...
- **SHARE:** how it is published and communicated, which in turn affects...
- **ORGANIZE:** what format it is published in and...
- **FIND:** where you can find it. With the found information, you will need to know...
- **USE:** the rules for including it in your research so that you can PRODUCE information, and the cycle begins again.

Tutorial is Still a Work in Progress...

Other Revisions for Tutorial

- Increase content to meet student needs
- Improve navigation and design to meet modern best practices
- Update technology to meet accessibility standards
- Seek out relevant images for tutorial (also acquiring rights for campus photos)

Consult Science Librarians to Review Draft

Finalize All Components and Modules



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Bibliography



<http://goo.gl/ZNzlw>