



Using an Interactive Tutorial to Teach Students How to Read a Scientific Study Article

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Why Use an Asynchronous Interactive Tutorial

Replaces the need for synchronous librarian-led instruction. An interactive tutorial can be defined as the “ability of a student to do tasks, answer questions, or receive feedback during the course of a tutorial” as opposed to video tutorials or screencasts, which do not include interactive elements (Watts, 2018, p. 50).

- Requires students to engage with the content
- Students work at their own pace and can navigate back and forth between the sections as needed
- Each module includes videos, images and/or text and requires students to interact with or view the videos and content before moving on to the next module.
- Immediate formative assessment requiring students to interact, learn, practice and receive feedback beyond the typical read and quiz format

Best Practices for Interactive Tutorial Design Linked to UDL Practices

- Cognitive learning and chunking (consistent with research based evidence on how people learn)
- Multimedia instructional lesson containing text, audio, video, and/or images
- Ability to skip sections or move ahead for more learner control
- Increased accessibility so students have 24/7 access to learn at their own pace
- Ensuring ongoing engagement with the tutorial
- Self assessment through quiz questions

Why Use Springshare LibWizard Full Tutorial Platform

- Tutorials are easy to build and are user friendly, allowing students to work through the tutorial and to have a sense of control over their own pace of learning”
- Springshare offers a robust support system with regular updates
- The split-screen, layout, includes space for instructions and a variety of question types such as multiple choice, fill in the blank, and ranking on the left while allowing students to interact with content on the right for active learning
- Easily embedded in learning management system LibGuides
- Formative and summative assessments

Assessments Using LibWizard Full Tutorial Platform

- Formative Assessments, students receive feedback for both incorrect and correct answers and have an unlimited amount of attempts to answer correctly
- Summative assessments, can provide students with a grade and opportunity to retake the test and receive a certificate of completion
- Self-assessment via quiz
- Confidence level rating to evaluate the effectiveness of the tutorial (Use in the beginning and at the end for comparison)
- Analyze results

Limitations of LibWizard

- Subscription based and not free
- Tutorial must be completed in one sitting, no way to save tutorial progress
- No option for collaboration or co-editing a tutorial
- Closed Captioning not provided
- Iframes may not be allowed in some colleges so users are unable to interact with the live site or database within the tutorial frame

Sample LibWizard Tutorials

<https://ohiou.libwizard.com/f/industry-market-research-basics>

<https://usc.libwizard.com/f/choosingthebestevidence>

<https://ncu.libwizard.com/f/scholarlyarticle2>

https://national.libwizard.com/f/paraphrasing_copy

Springshare Site for More Information

<https://lounge.springshare.com/discussion/comment/1022>

<https://ask.springshare.com/>

<https://springshare.com/trial.html>

<https://blog.springshare.com/2021/01/>

<https://ask.springshare.com/libwizard/search/?t=0&g=7&topics=Tutorials%20%26amp%3B%20Assessments&adv=1>

<https://research.library.gsu.edu/c.php?g=794741&p=5789632>

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