

**Libcast
Basic Storyboard**

Title: Scientific Journals/Articles
Content: Explaining the primary research article and the review article for scientific research

Screen shot	Script
Title page	Welcome to a Libcast from the Dalhousie University Libraries. This libcast is a basic introduction to the scientific journal literature. It focuses specifically on the primary research article and the scientific review article. These are some of the most important resources for science students.
Shot of kinds of journals; Highlight unbound journals; bound journal shelf; highlight electronic journal homepage	<p>Scientists communicate their scholarly research results by publishing articles in scientific journals.</p> <p>Journals are the primary literature in the sciences and provide an ongoing record of the advances being made in scientific research.</p> <p>Journals are available in paper. These are unbound issues for the current year; and here are bound volumes from past years. Journals are also available in electronic format</p> <p>Let's have a look at the kinds of articles that can be found in these journals.</p>
Shot of experiments	The first kind of article is a research article. A research article reports original research results. It is the first time these results appear in published form.
Opening book transition; Shot of pdf of article; highlight Abstract; next slide of introduction paragraph; next slide, highlight methods heading; highlight results heading (Tables, graphs); highlight discussion heading; highlight references heading	Here is an example of a scientific research article. Typically, a research article is organized into sections similar to those you may have seen in a lab report. There is often an abstract summarizing the research and results. The introduction usually follows the abstract and is an overview of the topic, but is not always labeled; the methods section describes how the research was conducted; the results section summarizes the findings from the study, often highlighted with tables, graphs or figures; the discussion section describes the implications of these results; and finally, the references section provides a list of sources cited in the document.
Shot of scientists reading manuscripts/papers (include male and female/ diversity)	Primary research articles are peer reviewed—a process by which other respected scientists in the same field have critiqued the work to ensure accuracy before the article is published.
Shot of pdf of article; zoom on abstract; Highlight REVIEW words in a couple of examples; shot of references (2 slides).	<p>A second type of journal article is the scientific Review Article.</p> <p>The scientific review article is not in itself a primary research article; rather it summarizes the research that has been conducted through the years on a specific topic. It provides a comprehensive overview and is an excellent starting point to understand a topic.</p> <p>How can you determine if the article is a Review Article? Some articles will be identified by the word review on the title page; If the word review is not on the title page or in the title, read the abstract carefully to determine if it is a Review article, for example “This review focuses on...”</p> <p>Review articles also tend to have long reference lists that you can use to find other relevant studies and articles. This article has nearly 400 references. Like the primary research article, the review article is peer-reviewed.</p> <p>In fact, there are even some journals that publish only review articles, like the Health</p>

	Psychology Review.
Shots of these specific examples	<p>Alongside the primary and review article, there are some other types of scientific articles. These include: the general science article, aimed at a wide, but literate audience, found in magazines such as Scientific American; the science news article, which is often short and found in a science news magazine, like New Scientist; and the popular press science article, which explains scientific advancements in layman's terms, and is found in magazines like Maclean's.</p> <p>As you can see there is a lot of variety in the type of articles available, but the primary research article and the review article are the best choice for you to use when completing your course assignments and projects.</p>
Shot of database	<p>If you're starting a research project or a research paper, the first thing to do is to see what others have already done in your field. This is called a literature search, and you'll want to begin a literature search in a database.</p> <p>Articles are located in journals, but are <i>indexed</i> in databases. This means you can search many journals at once for articles on a specific topic. To learn how to search in a database, please view our databases libcast.</p>
End slide	<p>This has been a brief introduction to the scientific journal literature.</p> <p>If you need any help, please ask at one of the reference desks.</p> <p>You might also want to check out our other libcasts on doing library research.</p>