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Science Reference Center
An Introduction

This project is made possible by a grant from the Institute of Museum and Library Services as administered by the Pennsylvania Department of Education through the Office of Commonwealth Libraries, and the Commonwealth of Pennsylvania, Tom Wolf, Governor. © 2015 Hosted by HSLC

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What is Science Reference Center?

• A comprehensive research database that provides access to a multitude of full-text science-oriented content

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Science Reference Center Contains

• Full text science reference books
• Full text science encyclopedias
• Experiments, activities and science fair projects
• Biographies
• And more
Searching Options

- Keyword Searching
- Browsing by Category
- Browsing Popular Sources
- Advance Searching
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Results List

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Search Results Identifiers

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Relevance
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Page Options

To set your Page Options:
- **Result Format**: Click the select a result list format.
- **Image QuickView**: Select whether or not you would like thumbnails of images from your entries to display on the result list.
- **Results per page**: Select the number of results per page you would like displayed.
- **Page Layout**: Select your desired column layout for the Result List.

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Share Menu

To use the Share menu:
- **Add to folder**: Add all displayed articles to the folder or add the search to the folder on a persistent link to a search.
- **Create an alert**: Create a search alert e-mail or an RSS feed right from the Result List, even if you are not signed in to My EBSCOhost.
- **Use Permalink**: Highlight the link text and copy using your browser's copy function. You can immediately paste the link into a web site, document or e-mail.
- **Export Results**: If enabled by your administrator, click to email a link to download exported results.

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Single Result

**THE LAWS OF HEAT GO SMALL**

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**Detailed Record**

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**HTML Record**

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**PDF View**
Benchmarks

- Benchmarks are a standard or point of reference again which things may be compared or assessed.
- There are 80 benchmarks includes in this resource:
  - Applied (24)
  - Earth and Space (15)
  - Life (14)
  - Mathematics (9)
  - Physical Science (18)

Science Experiments

- Science experiments can also be located using the Advanced Search
- For example:
  - Type Circulation in the Find Field
  - Select Grades 9-12 in the Lexile Reading Level
  - Select Science Experiment in the Document type

Reference Shelf

- Lesson Plans
- Science Experiments
- Citation Help
- Research Guide
- Curriculum Standards
- Worksheets
Lesson Plans

- Clicking on the link in the Reference Shelf will provide links to over 2,013 lesson plans.

- Lesson plans are in PDF format.

Science Experiments

- View the 1,313 science experiments in one place

- In most cases, these are available in both HTM and PDF format.

Citation Help

There are several styles and formats used to cite sources which support research papers. Most academic institutions have established standardized requirements for a particular style. Three of the most widely used styles of citation are:

- Modern Language Association (MLA)
- Chicago Manual of Style
- American Psychological Association (APA)

Whatever style you use, accuracy, clarity, and consistency are the most important factors to consider when citing various types of sources. Guidelines for citing electronic and online sources are not yet standardized to match citation requirements for print material. The increasing use of the internet as a standard means of communicating ideas reinforces the need for citation guidelines to be flexible in order to maintain their usefulness.

In general, most styles require that you not only identify reference sources within the body of your essay, but also provide a complete list of works used in your research.

Modern Language Association

The Modern Language Association (MLA) is an organization of teachers and scholars devoted to the study of language and literature. MLA style has been widely adopted by academic journals, schools, and educators. Since its initial development in the 1920s, MLA has been adapted and modified to suit the needs of the humanities in the United States, and is commonly used in Canada and other countries as well.

The MLA style guide offers extensive standardized methods of citing sources for research, including electronic sources. MLA style calls for the use of in-text citations and a list of works cited at the end of the text, called Works Cited.
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**Research Guide**

- Guide to Research, Writing and Critical Reading
- Science Reference Center provides virtually all the information you will need to effectively conduct research on science topics and write research papers. Because there is a wealth of information contained in this database, this guide is provided to support your research and writing process, helping you to write the best possible paper. The following topics and tools are provided:
  1. Preparing, How to Avoid Common Mistakes
     - Step 1: Understanding the Scope of Your Assignment
     - Step 2: Choosing Your Topic
     - Step 3: Refining Your Research
     - Step 4: Taking Notes
     - Step 5: Sorting Cards and Making a Working Outline
     - Step 6: Drafting: How to Integrate and Balance Your Paper
     - Step 7: Revising
     - Step 8: Editing and Proofreading
     - Creating a Schedule for Your Work

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**Curriculum Standards**

- Contains over 900 standards aligned to the curriculum for specific U.S. States.
- A standard will contain many educational benchmarks that an educator can use to build their lesson plans.
- Opens a module for searching on standard

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**Worksheets**

- Provides a static link for pulling up all the worksheets included with Science Reference Center.
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**Authority Files**

- This authority file allows you to search for specific publications found in Science Reference Center.
- List publications alphabetically.
- Provides access to all available volumes and issues of a selected publication.

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**Publications**

- This link on the top bar provides access into the New Oxford American Dictionary.
- You can browse or enter a keyword for searching.
- Provides definitions and word origins.

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**Dictionary**
Subjects

• Use this link to browse the subject terms assigned to all records found in Science Reference Center.

• Items are displayed alphabetically

Images and Video

• This link allows you to search for videos or science images.

• You can refine your results by a specific collection.