



## **PATHFINDER: SCIENCE PROJECTS**

### **REFERENCE BOOKS**

Here are some books that may help you choose a science project:

Biology Research Activities (R/507.8/G875)

Earth Science Research Activities (R/507.8/G875)

Historical Science Experiments on File: experiments, demonstrations, and projects for school and home (R/507.8/H918)

Janice VanCleave's Science Experiment Sourcebook (R/507.8/V222sc; J/R/507.8/V222sc)

Science Experiments Index for Young People (R/507.8/P638sc; J/Info Desk/507.8/P638sc)

Nature Projects on File: experiments, demonstrations, and projects for school and home (R/507.8/N285)

More Science Experiments on File: experiments, demonstrations, and projects for school and home (R/507.8/M835; J/R/507.8/M835)

Science Experiments on File: experiments, demonstrations, and projects for school and home (R/507.8/S416; J/R/507.8/S416)

Science Projects for All Students (R/507.8/B486sc)

You may also want to look at other books in the R/507.8 and R/507.2 areas. Check our other "science project" handout, too, for more help in choosing a science project.

(Although they are not reference books, also check books in the 507.8 area upstairs.)

The following books are a few examples of the types of reference works you might want to look at once you have chosen your topic and need to find more information about your topic.

CDs, Super Glue, and Salsa: How Everyday Products Are Made (R/670/C386; J/R/670/C386)

Chemical Composition of Everyday Products (R/543/T641ch)

The Extraordinary Chemistry of Ordinary Things (R/540/S675ex)

Five Kingdoms: An Illustrated Guide to the Phyla of Life on Earth (R/570.12/M331fi; 570.12/M331fi)

Gadgets and Necessities (R/683.8/W367ga)

Geology Underfoot in Illinois (R/557.73/W655ge; 557.73/W655ge)

How Products are Made (R/670/H847)

New Book of Popular Science (R/500/N532; J/R/500/N532)

Science and Its Times (R/509/S416ti)

A Sourcebook for the Biological Sciences (R/570/M853so)

The Tree Identification Book (R/582.16/S988; 582.16/S988tr)

## **ENCYCLOPEDIAS**

Also, once you have chosen a project, you may want to check the following encyclopedias in order to find information about your subject:

McGraw-Hill Encyclopedia of Science & Technology (R/503/M147)

World Book Encyclopedia (R/031/W927) (You may also want to check other encyclopedias in the R/031 area)

Here are examples of some more specialized encyclopedias that could be useful:

Encyclopedia of Earth and Physical Sciences (R/500.203/E56)

Encyclopedia of Horticulture (R/635.9/E93)

Encyclopedia of Psychology (R/150.3/E56)

Facts on File Encyclopedia of Science, Technology, and Society (R/503/V937fa)

Foods and Food Production Encyclopedia (R/664/F686)

Foods & Nutrition Encyclopedia (R/641.03/F686)

Grzimek's Animal Life Encyclopedia (R/590.3/G895)

International Wildlife Encyclopedia (R/590.3/I61; J/R/590.3/I61)

Visual Food Encyclopedia (R/641.3/V834)

## **MAGAZINES**

When you are choosing a science project, you may want to search through some magazines in order to get ideas about what you would like to study. You may want to check some of the following magazines:

**Astronomy**

**Discover**

**Outdoor Illinois**

**Popular Science**

**Science News**

**Science World**

**Scientific American**

For information about products, check

**Consumer Reports** and **Consumer Reports Buying Guide** (at the Reference Desk)

## **DATABASES**

You may want to search in Gale Virtual Reference Library, MasterFILE Premier, WilsonSelectPlus, and Science Reference Center under your topic.

## **INTERNET RESOURCES**

<http://www.sciencebuddies.org>

<http://www.ipl.org/div/projectguide/>

## **BOOKS**

To help you choose your science project, look at books in the R/507.2, R/507.8 and 507.8 areas. In addition to this pathfinder, there is also a “science projects” list that you can use to help you find books that include science projects.

Checking in some of these areas may also help you to choose a project and to find information about your topic.

Anatomy/Physiology R/611s; 611s; R612s; 612s

Animals/Zoology R/590s; 590s

Astronomy R/520s; 520s

Biology R/570s; 570s  
Chemistry R/540s; 540s  
Earth Science R/550s; 550s  
Electricity and Electronics 537; R/621.3; 621.3  
Entomology R/595.7; 595.7  
Five Senses 612.8  
Food & Nutrition R/613.2; 613.2  
Gardening R/635s; 635s  
Health/Medicine R/610s-618s; 610s-618s  
Memory 153.12  
Meteorology & Weather R/551.5; 551.5  
Microbiology 579  
Plant Biology R/580s, 580s  
Physics R/530s; 530s  
Pollution 363.73  
Soils 631.4s

You can also search in the online catalog under your topic.

Most of this pathfinder lists sources in the adult/young adult nonfiction area of the library. Often, there are also useful sources in the youth services room, too. The youth services librarians can help you locate the books in the youth services room.

In the adult/young adult nonfiction area, please check with a reference librarian if you need help in finding more information about your topic or have other questions. (If you are interested in a book that is checked out, a librarian can put it on hold for you.)

Niles Public Library District  
6960 Oakton  
Niles, Illinois 60714  
(847) 663-1234  
Reference Services: (847) 663-6603 or (847) 663-6604

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