

SCIENCE SUBJECT GUIDE

This guide has been prepared by a Librarian to help you find information on Science. The information below will help you develop search strategies to find resources on the library catalogue, and information on databases and the Internet. If you need immediate assistance please Call for Help! at 905-653-READ (7323) during regular business hours or visit Global Librarian at <http://www.vaughanpl.info/services/ask.php> for 24 hour reference assistance.

General Information

Catalogue search: Go to www.vaughanpl.info to search the catalogue. Use the subject keyword search terms indicated below, these search terms can be used in both the catalogue and the databases. For catalogue help refer to *How to Search guide*.

Databases: Go to <http://www.vaughanpl.info/find/databases.php>

- *Access Science*
- *The New Book of Popular Science*

Websites: Go to <http://www.vaughanpl.info/find/recommendedlinks.php> and select search by subject area and select: Science. Links are sorted into the following categories: Archaeology; Astronomy; Biology; Chemistry; Physics; and Psychology.

Math

Math texts and practice exercise books begin at call number **510**.

Search keywords:

- arithmetic
- algebras
- business mathematics
- calculus
- geometry
- probabilities
- statistics

Call numbers:

- algebra begins at **512**
- calculus begins at **515**
- geometry begins at **516**
- statistics begins at **519.5**

Chemistry

Chemistry resources begin at call number **540**.

Search keywords:

- chemistry
- organic chemistry
- chemical elements
- nitrogen (*search by specific element name*)
- chemical reactions
- rates and reactions

Call numbers:

- organic chemistry: **547**
- chemistry dictionaries: **540.3**
- chemical elements: **546**; Nitrogen: **546.71**; Carbon: **546.68**
- reactions: **541.39**

	<p>Databases: Go to http://www.vaughanpl.info/find/databases.php and select:</p> <ul style="list-style-type: none"> • <i>Chempendium</i> to access chemical hazard information for the workplace and environment. CHEMpendium covers: transport of hazardous materials; chemical toxicity; industrial chemicals and environmental contaminants; workplace safety; regulatory compliance; and Canada's Domestic and Non-Domestic Substance Lists (DSL/NDSL). • <i>MSDS</i> to access over 120,000 material safety data sheets from 600 North American suppliers and manufacturers. MSDS records include information on: chemical and physical properties; health hazards; first aid recommendations; personal protection; fire and reactivity data; spill and disposal procedures; and storage and handling.
<p>Biology: Cloning and Genetic Engineering</p>	<p>Information about biology, cloning and genetic engineering can be found in several different areas of the library.</p> <p>Search keywords:</p> <ul style="list-style-type: none"> • biology • cells • genetics • evolution • genetically modified food <p>Call numbers:</p> <ul style="list-style-type: none"> • biological information on cloning begins at 571 • medical and technical information on cloning begins at 660.65 • ethical information on cloning begins at 174 • genetically modified foods begins at 362.1929 <p>Databases: Go to http://www.vaughanpl.info/find/databases.php and select:</p> <ul style="list-style-type: none"> • <i>Opposing Viewpoints Resource Center</i> for essays on Bioethics, Cloning and Genetic Engineering. • <i>Gale Virtual Reference Library</i> for specialized reference sources such as Gale Encyclopedia of Genetic Disorders and Gale Encyclopedia of Medicine. • <i>Health and Wellness Resource Centre</i> for access to medical encyclopedias, full-text periodicals and pamphlets from many authoritative medical resources.
<p>Physics</p>	<p>Physics resources begin at call number 530.</p> <p>Search keywords:</p> <ul style="list-style-type: none"> • physics • physics experiments • physics problems • physics study and teaching <p>Call numbers:</p> <ul style="list-style-type: none"> • physics can be found at 530