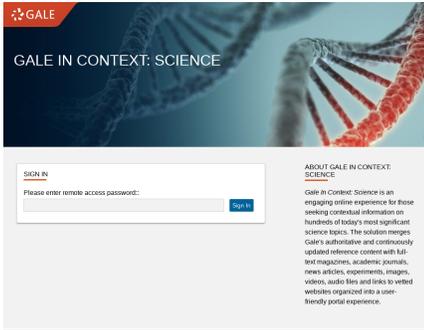




Developments in technology - impact on environment

Created by: Alison Hewitt

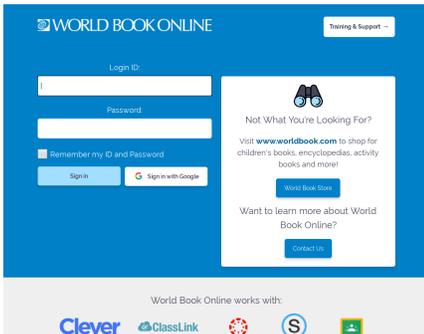
<https://collections.follettsoftware.com/collection/5de16b3fa8f3d20012d205ab?h=79a4f6fcedb007e6107c789538bc6d562848e6cc1df70637d74313b46b986934>



Science in Context - Gale database

This database provides a huge array of science topics, access to maps that display global statistics and allows you to highlight, take notes, create a folder for articles and many other helpful features. Access provided by SD35. You will need a password for remote access.

<https://go.gale.com/ps/dispatchBasicSearch.do?userGroupName=35sbo&prodId=SCIC>



World Book Online

World Book Online offers an extensive encyclopedia, dictionary, atlas, homework help, study aids, and curriculum guides. World Book is publisher of the World Book Encyclopedia. Choose the appropriate reading/age level. Access to this databases is provided by SD35. A password is need for remote access from home. Ask library staff.

<https://www.worldbookonline.com/wb/products?ed=all&gr=Welcome+Walnut+Grove+Secondary%21>



Encyclopedia Britannica

Explore the fact-checked online encyclopedia from Encyclopaedia Britannica with hundreds of thousands of objective articles, biographies, videos, and images from experts.

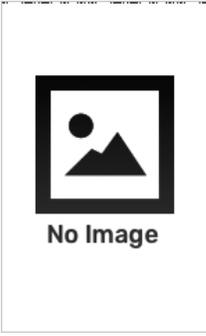
<https://www.britannica.com/>



The Encyclopedia of Earth - The Encyclopedia of Earth

WELCOME to the new home of the Encyclopedia of Earth (EoE). The EoE is still a free, expert-reviewed collection of content contributed by scholar/professionals who collaborate and review each other's work. We have been offline for much of 2016 while we migrated to this open source MediaWiki platform. We still have work to do cleaning up some artifacts of the migration and bringing our content up to date. Thank you for your patience!

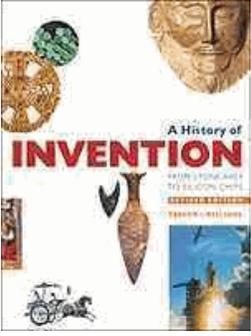
https://editors.eol.org/eoearth/wiki/The_Encyclopedia_of_Earth



A history of medicine : from pre-history to the year 2020

foreword by Hero Van Urk ; Nancy Duin, Jenny Sutcliffe.
610 SUT

<https://search.follettsoftware.com/metasearch/rest/v2/go/21596/details/254596>

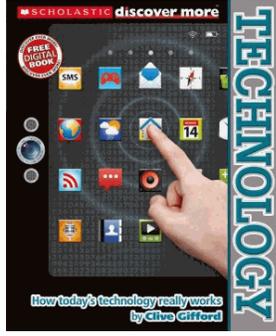


A history of invention : from stone axes to silicon chips

Trevor I. Williams.
609 WIL

Traces the history of invention from the beginning of civilization through the twentieth century, and discusses how each innovation met a critical need and also opened the door for the next breakthrough.

<https://search.follettsoftware.com/metasearch/rest/v2/go/21596/details/254584>

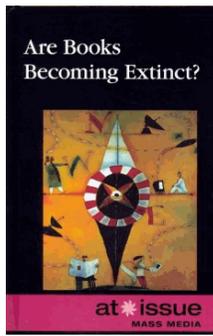


Technology

Clive Gifford.
621.381 GIF

Presents descriptions, photographs, and diagrams of innovative new technologies and the history behind these inventions. Includes information on electric guitars, cell phones, microchips, and 3D imagery.

<https://search.follettsoftware.com/metasearch/rest/v2/go/21596/details/386644>



Are books becoming extinct?

David Haugen and Susan Musser, book editors.

070.5 ARE

Contains twelve articles about books, discussing digital printing, the printed book market, e-books, and how publishers and libraries can meet the challenges presented by e-books.

<https://search.follettsoftware.com/metasearch/rest/v2/go/21596/details/390217>



Innovation nation : how Canadian innovators made the world smarter, smaller, kinder, safer, healthier, wealthier, and happier

David Johnston & Tom Jenkins ; illustrated by Josh Holinaty ; adapted by Mary Beth Leatherdale.

609.71 JOH

Describes fifty inventions from Canada that had a significant influence on the world. Successful innovation is always inspired by at least one of three forces -- insight, necessity and simple luck. Innovation Nation moves through history to explore what circumstances, incidents, coincidences and collaborations motivated each great Canadian idea, and what twist of fate then brought that idea into public acceptance.

From the marvels of aboriginal inventions such as the canoe, igloo and lifejacket to the latest pioneering advances in medicine, education, science, engineering and the arts, Canadians have improvised and worked together to make the world a better place. With striking, vibrant illustrations throughout, Innovation Nation is a gorgeous companion to the adult edition that will surprise, enlighten and entertain young readers, and will be a valuable resource for teachers and librarians.

<https://search.follettsoftware.com/metasearch/rest/v2/go/21596/details/436472>



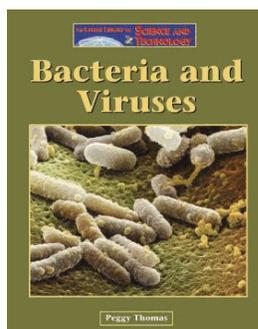
The big idea : how breakthroughs of the past shape the future

foreword by Timothy Ferris.

509 NAT

Explores the impact of past innovations on the future, describing scientific achievements from the abacus to the Internet, relating how the invention of the smartphone stems from communication satellites, television, quantum theory, vacuum tubes, radio, radio waves, and electricity, and discussing how scientific innovations and can lead to future milestones in technology.

<https://search.follettsoftware.com/metasearch/rest/v2/go/21596/details/411654>



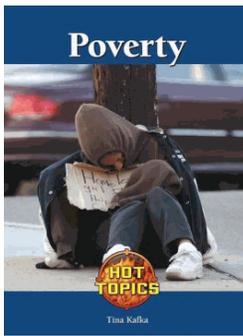
Bacteria and viruses

by Peggy Thomas.

616.01 THO

Discusses various types of bacteria and viruses, methods of fighting diseases, and how bacteria and viruses can be used to benefit people and the environment.

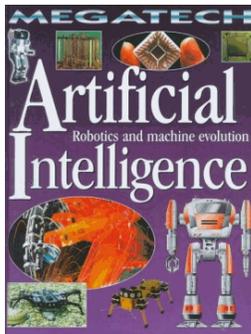
<https://search.follettsoftware.com/metasearch/rest/v2/go/21596/details/191447>



Poverty
by Tina Kafka.
339.46 KAF

Discusses factors that contribute to the cycle of poverty, examines the effects of poverty on people and the environment, and discusses possible solutions to the problem. Includes primary and secondary source documents, photographs, sidebars, and study questions.

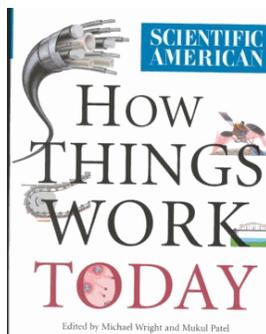
<https://search.follettsoftware.com/metasearch/rest/v2/go/21596/details/381165>



Artificial intelligence : robotics and machine evolution
David Jefferis.
629.8 JEF

An introduction to the past, present, and future of artificial intelligence and robotics, discussing early science fiction predictions, the dawn of AI, and today's use of robots in factories and space exploration.

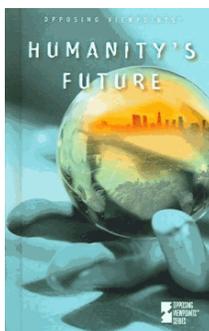
<https://search.follettsoftware.com/metasearch/rest/v2/go/21596/details/30810>



Scientific American : how things work today
edited by Michael Wright and M.N. Patel.
600 HOW

Presents color-illustrated explanations of how a wide variety of objects and processes work, in the categories of communications and leisure, the urban and domestic environment, transportation, crime and security, power and industry, medicine and research, and space.

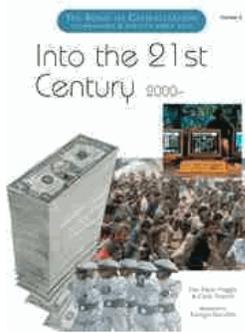
<https://search.follettsoftware.com/metasearch/rest/v2/go/21596/details/92392>



Humanity's future : opposing viewpoints
Louise I. Gerdes, book editor.
303.483 HUM

Twenty-two essays debate issues related to the roles of technology, world health, the environment, and the global community in humanity's future, including human genetic enhancement, energy sources, pollution, genetically modified food, global warming, overpopulation, weapons of mass destruction, the gap between rich and poor nations, and several others.

<https://search.follettsoftware.com/metasearch/rest/v2/go/21596/details/251747>



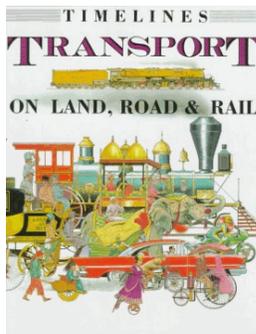
Into the 21st century, 2000-

Pier Paolo Poggio and Carlo Simoni ; illustrated by Giorgio Bacchin.

303.48 POG

Looks at how technology, modernism, and increasing scientific knowledge have led to a political and cultural division, not between East and West, but between those who accept things as they are and those who say they must change.

<https://search.follettsoftware.com/metasearch/rest/v2/go/21596/details/120121>



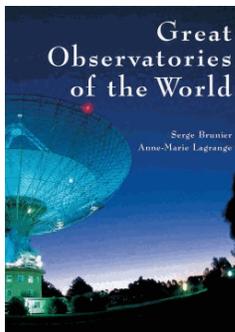
Transport : on land, road & rail

written by Eryl Davies ; created and designed by David Salariya.

629.04 DAV

Surveys the development of land transportation in relation to the needs, skills, and technologies of people living at different periods of history.

<https://search.follettsoftware.com/metasearch/rest/v2/go/21596/details/16191>



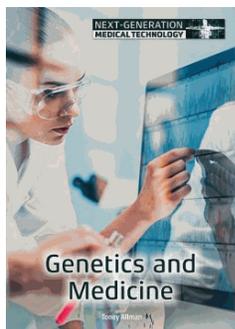
Great observatories of the world

[Serge Brunier, Anne-Marie Lagrange ; English translation, Klaus R. Brasch].

522.1 BRU

Presents over three hundred-fifty photographs and drawings of some of the great observatories of the world including those in Hawaii and New Mexico, and examines the history and location of each facility, plans for future observatories, and the technology involved in their development.

<https://search.follettsoftware.com/metasearch/rest/v2/go/21596/details/251313>



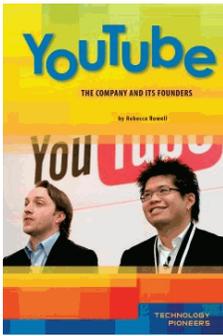
Genetics and medicine

by Toney Allman.

615.895 ALL

Examines how the science of genetics is used in the practice of medicine including in the development of diagnostic tests and treatments for diseases.

<https://search.follettsoftware.com/metasearch/rest/v2/go/21596/details/441189>



<https://search.follettsoftware.com/metasearch/rest/v2/go/21596/details/387110>

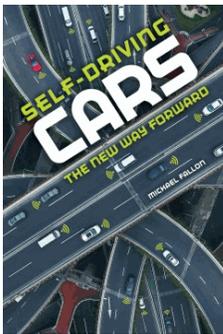


YouTube : the company and its founders

by Rebecca Rowell.

006.7 ROW

Traces the history of YouTube, describing how the video-sharing website was created and profiling those responsible for its development and growth.



<https://search.follettsoftware.com/metasearch/rest/v2/go/21596/details/441134>

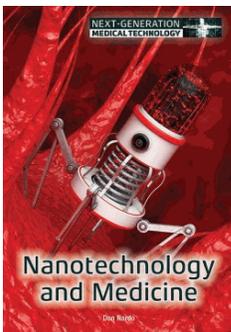


Self-driving cars : the new way forward

Michael Fallon.

629.2 FAL

Author Fallon presents a history of how the technology used in self-driving cars has developed, identifies recent technological gains, and surveys controversies surrounding the potential mass adoption of self-driving cars.



<https://search.follettsoftware.com/metasearch/rest/v2/go/21596/details/441190>

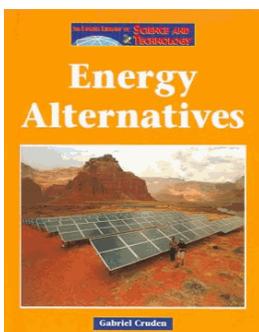


Nanotechnology and medicine

Don Nardo.

610.28 NAR

Examines how nanotechnology is being developed in the field of medicine to improve MRI scans, deliver medicine to specific body parts, and rebuild damaged tissues.



<https://search.follettsoftware.com/metasearch/rest/v2/go/21596/details/158382>

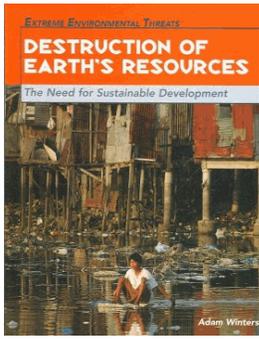


Energy alternatives

by Gabriel Cruden.

333.79 CRU

Reviews the history of energy use, looks at the development of solar, wind, hydro, geothermal, and other power alternatives, and discusses the need to create a sustainable energy future.



Destruction of earth's resources : the need for sustainable development

Adam Winters.

338.927 WIN

Explores some of the greatest problems that threaten the world's ecosystems and ways in which both knowledge and technology can provide essential services to impoverished areas.

<https://search.follettsoftware.com/metasearch/rest/v2/go/21596/details/224688>



100 discoveries : the greatest breakthroughs in history

Peter Macinnis.

609 MAC

"Throughout history, momentous, enabling discoveries have led to a giant leap in our understanding of the workings of the universe and fast-tracked human progress. 100 Discoveries presents in chronological order the greatest 100 breakthroughs in science and technology, medicine, and the major areas of human endeavour of the past 10,000 years, from the development of agriculture in 10,000BC to the discovery of genomics and the unravelling and manipulation of genes in living things. In identifying and describing these discoveries, this book tells the stories of the amazing people behind them, and where appropriate breaks down the complex concepts under discussion in easy-to-understand terms. 100 Discoveries presents, in engaging text and fascinating photographs, the crossing of every major intellectual, scientific, technological and cultural frontier of the past ten millennia."--Provided by publisher.

<https://search.follettsoftware.com/metasearch/rest/v2/go/21596/details/366384>



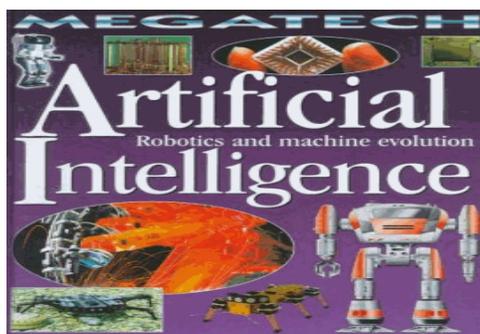
Mass media

Margaret Haerens and Lynn M. Zott, book editors.

302.23 HAE

A collection of twenty-one essays that offers varying perspectives on issues relating to mass media.

<https://search.follettsoftware.com/metasearch/rest/v2/go/21596/details/414598>



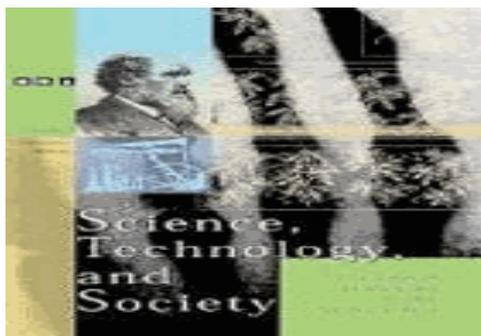
Artificial intelligence : robotics and machine evolution

David Jefferis.

629.8 JEF

An introduction to the past, present, and future of artificial intelligence and robotics, discussing early science fiction predictions, the dawn of AI, and today's use of robots in factories and space exploration.

<https://search.follettsoftware.com/metasearch/rest/v2/go/21596/details/30810>



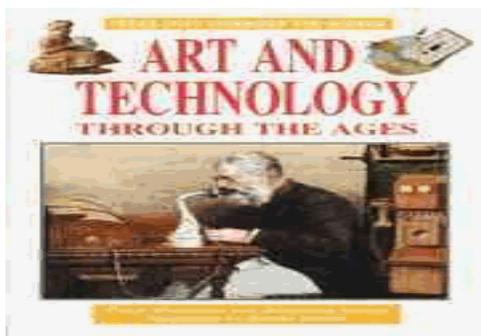
Science, technology, and society. Volume 1, life science, medicine : the impact of science in the 19th century

David E. Newton, Neil Schlager, Kelle Sisung, editors.

REF 509 SCI

Contains essays that examine nineteenth-century advances and discoveries in life science, and medicine; featuring a time line and overview for each topic, biographical profiles of important individuals in each discipline, and research and activity ideas for students.

<https://search.follettsoftware.com/metasearch/rest/v2/go/21596/details/254289>



Art and technology through the ages

illustrated by Robert Ingpen ; text by Philip Wilkinson & Jacqueline Dineen.

909 WIL

Chronicles the developments in art and technology that have shaped human life from cave paintings to computers, providing descriptions, illustrations, and diagrams and covering such advances as glass, molten metal, writing, the telescope, the microscope, the printing press, eyeglasses, telephones, sound recordings, and television.

<https://search.follettsoftware.com/metasearch/rest/v2/go/21596/details/251409>