



APPR 2009: SPACE EXPLORATION

WEBSITES

ALL PIKES PEAK READS (APPR) BOOKS

Eric Anderson Biography (author of The Space Tourist's Handbook)

<http://sa.qa.elro.com/media/company-overview/anderson>

Henlein Society (includes a biography, concordance, FAQ's and more)

<http://www.heinleinsociety.org/rah/index.htm>

Homer Hickam Online (includes biography as well as information about Rocket Boys/October Sky)

<http://www.homerhickam.com/>

Peter Block (author of Community: The Structure of Belonging)

<http://www.peterblock.com/aboutp.html>

The Space Tourist's Handbook (Google books)

http://books.google.com/books?id=K2RyINz_l7kC&pg=PA34&lpg=PA34&dq=global+spaceports&source=bl&ots=u30nyaJkoj&sig=PFHpCVkpkTNF-g-dS86BhMJHpW0&hl=en&ei=YilFSpyGGZSuNoTJtZ8B&sa=X&oi=book_result&ct=result&resnum=3

ASTRONAUTS / COSMONAUTS

A History of U.S. Astronauts, Cosmonauts, and International Astronauts

<http://www.windows.ucar.edu/tour/link=/people/astronauts.html>

Astronaut Biographies

<http://www.jsc.nasa.gov/Bios/>

Astronauts (from Britannica.com – includes definition, history and highlights, astronaut training, and additional links)

<http://www.britannica.com/EBchecked/topic/40000/astronaut/262029/History-and-highlights>

Cosmonaut Biographies

<http://www.jsc.nasa.gov/Bios/cosmo.html>

HISTORY OF SPACE TRAVEL

Brief History of Space Exploration

<http://www.aero.org/education/primers/space/history.html>

Exploring the Moon (includes information about each of the missions to the moon)

<http://www.lpi.usra.edu/expmoon/>

History of Flight Timeline

<http://www.aiaa.org/content.cfm?pageid=260>

Space Exploration (from the History channel, includes history, interactive timeline, an image gallery, and more)

<http://www.history.com/content/space>

Space Exploration (includes timeline, rockets, how space is explored, biographies, and issues on space exploration)

http://adc.astro.umd.edu/adc/education/space_ex/

Sputnik and the Dawn of the Space Age

<http://history.nasa.gov/sputnik/>

The Space Race (from the National Air and Space Museum)

<http://www.nasm.si.edu/exhibitions/gal114/gal114.htm>

Timeline of Rocket History (from ancient times to present day)

<http://history.msfc.nasa.gov/rocketry/>

INTERNATIONAL YEAR OF ASTRONOMY 2009

International Year of Astronomy 2009 (commemorates the 400th anniversary of Galileo's use of a telescope to study the skies, as well as other historic events in science)
<http://astronomy2009.org/>

NASA's website for the International Year of Astronomy 2009
<http://astronomy2009.nasa.gov/>

United States International Year of Astronomy 2009 Team
<http://astronomy2009.us/>

OUR SOLAR SYSTEM AND BEYOND

Astronomy Center (from The Old Farmer's Almanac, includes moon phases, tidal information, skywatch, and more)
<http://www.almanac.com/astronomy/>

Discovery Space
<http://dsc.discovery.com/space/>

Mars Explorer Rover Mission from NASA
<http://marsrovers.nasa.gov/home/index.html>

Satellite Sighting Information for Colorado (lists dates and times when the International Space Station can be seen crossing the sky)
http://spaceflight.nasa.gov/realdata/sightings/cities/region.cgi?country=United_States®ion=Colorado

Solar System (from the Jet Propulsion Laboratory - includes news, missions, multimedia, information for kids, education)
<http://www.jpl.nasa.gov/solar-system/index.cfm>

Solar System Simulator (generates views of the solar system at any date)
<http://space.jpl.nasa.gov/>

Stars and Galaxies (from the Jet Propulsion Laboratory - includes news, missions, multimedia, information for kids, education)
<http://www.jpl.nasa.gov/stars-galaxies/index.cfm>

The Eight Planets Solar System Tour
<http://www.nineplanets.org/>

The Night Sky (from Space.com – includes basic astronomy, a skywatcher’s dictionary, observation tips and faq’s, a pronunciation guide, and more)

<http://www.space.com/nightsky/>

The Quest for Life (from PBS)

<http://www.pbs.org/exploringspace/>

To the Moon

<http://www.pbs.org/wgbh/nova/tothemoon/>

Welcome to Mars

<http://www.pbs.org/wgbh/nova/mars/>

PHOTOS

Great Images in NASA (GRIN)

<http://grin.hq.nasa.gov/>

HubbleSite (photographs taken by the Hubble telescope)

<http://hubblesite.org/gallery/>

JSC Digital Image Collection (over 9,000 images from NASA’s Johnson Space Center, press release images from Mercury to the STS-79 Shuttle mission)

<http://images.jsc.nasa.gov/>

Photo Gallery: Space Shuttle (from National Geographic)

<http://science.nationalgeographic.com/science/photos/space-shuttle-travel-gallery.html>

SPACE STATIONS

International Space Exploration Agencies

http://space.about.com/od/nonusagencies/International_Space_Exploration_Agencies.htm

International Space Station (NASA)

http://www.nasa.gov/mission_pages/station/main/index.html

Kennedy Space Center

<http://www.nasa.gov/centers/kennedy/home/index.html>

Space Station (a inside view of the next frontier in space exploration)

<http://www.pbs.org/spacestation/index.htm>

Stationed in the Stars

<http://www.pbs.org/wgbh/nova/station/>

THE NEXT FRONTIER

Ansari X Prize: A Brief History and Background

<http://history.nasa.gov/x-prize.htm>

Future Space (from How Stuff Works – explore the future of space exploration and travel)

<http://science.howstuffworks.com/future-space-channel.htm>

Space Station (a inside view of the next frontier in space exploration)

<http://www.pbs.org/spacestation/index.htm>

The Future of Space, Today! (from Popular Science)

<http://www.popularmechanics.com/futurespace/>

U.S. SPACE PROGRAM

Jet Propulsion Laboratory

<http://www.jpl.nasa.gov/>

NASA (Nautical Aeronautics and Space Administration)

<http://www.nasa.gov/home/index.html>

NASA Human Space Flight

<http://spaceflight.nasa.gov/home/index.html>

ELECTRONIC REFERENCE

Biography Resource Center

Lookup a specific astronaut/cosmonaut
Or click on "Occupation" and browse through "Astronaut"

Cold War Reference Library

Space Race

Dictionary of American History

Space Race

Encyclopedia of the Solar System

History Resource Center

Astronomy
NASA
Space Race
Space Exploration
Sputnik

Literature Resource Center

Rocket Boys
Homer Hickam
Have Space Suit Will Travel
Robert A. Heinlein

BOOKS

APPR (All Pikes Peak Reads) Titles

NON-FICTION

Rocket Boys

Homer Hickam
629.109227 H628RO

The Space Tourist's Handbook

Eric Anderson
910.919 A546S

Community

Peter Block
307. B651C

FICTION

Have Space Suit – Will Travel

Robert A. Heinlein

Space Wars: The First Six Hours of World War III

Bill Scott

Adult Non-Fiction

ASTRONOMY

Astronomy: A Visual Guide

Mark A. Garlick
520. G233A

Backyard Astronomer's Guide

Terence Dickinson
522. D553B 2008

Cambridge Photographic Guide to the Planets

F. W. Taylor
523.40222 T241C 2001

Colorado Starwatch

Mike Lynch
522.09788 L987C

Eyes on the Skies: 400 Years of Telescopic Discovery

Govert Schilling
522.509 S334E

History of Astronomy

Heather Couper
520.9 C856H

National Geographic Encyclopedia of Space

Linda K. Glover
629.4 N277

Planetology: Unlocking the Secrets of the Solar System

Tom Jones
523.4 J79P

Star Guide: Learn to Read the Night Sky Star by Star

Robin Kerrod
523.80223 K41S 2005

**ASTRONAUT/COSMONAUT
BIOGRAPHIES**

First on the Moon: A Voyage with Neil Armstrong, Michael Collins [and] Edwin E. Aldrin, Jr.

Neil Armstrong
629.454 A737F

Into That Silent Sea: Trailblazers of the Space Era, 1961-1965

Francis French
629.450092 F873I

Letters from Mir: An Astronaut's Letters to His Son

Jerry M. Linenger
629.450092 L754L

Light This Candle: The Life and Times of Alan Shepard, America's First Spaceman

Neal Thompson
629.450092 S547L

Magnificent Desolation

Aldrin, Buzz
629.450092 A365M

Off the Planet: Surviving Five Perilous Months Aboard the Space Station Mir

Jerry Linenger
629.442 B754O

Riding Rockets: The Outrageous Tales of a Space Shuttle Astronaut

R. Mike Mullane
629.450092 M958R

Right Stuff

Tom Wolfe
629.10973 W855R

Rocketman: Astronaut Pete Conrad's Incredible Ride to the Moon and Beyond

Nancy Conrad
629.450092 C754C

Rocket Men: The Epic Story of the First Men on the Moon

Craig Nelson
629.454 N425R

Sky Walking: An Astronaut's Memoir

Tom Jones
629.450092 J79S

Too Far From Home: A Story of Life and Death in Space

Chris Jones
629.45 J76T

Two Sides of the Moon

A.A. Leonov (Aleksei Arkhipovich)
629.409 L585T

HISTORY OF SPACE EXPLORATION

After Sputnik: 50 Years of the Space Age

Martin J. Collins
629.409 A258

A History of Space Exploration: And Its Future

Tim Furniss
629.409 F989H

America in Space: NASA's First Fifty Years

Steven J. Dick
629.40973 A5122

Apollo: Through the Eyes of the Astronauts

Robert Horace Jacobs
629.454 A644Z

Comm Check: The Final Flight of the Shuttle Columbia

Michael Cabbage
363.12465 C113C

***Spaceflight: The Complete Story from
Sputnik to Shuttle - and Beyond***

Giles Sparrow
629.41 S737S

***The Universe in a Mirror: The Saga of the
Hubble Telescope and the Visionaries
Who Built It***

Robert Zimmerman
629.435 Z72U

To a Distant Day: The Rocket Pioneers

Chris Gainor
621.4356 G142D

SPACE RACE

***A Ball, A Dog, and A Monkey: 1957, The
Space Race Begins***

Michael D'Antonio
629.434 D192B

***In the Shadow of the Moon: A
Challenging Journey to Tranquility,
1965-1969***

Francis French
629.454 F873I

***"Live from Cape Canaveral" (Covering the
Space Race, from Sputnik to Today)***

Jay Barbree
629.450973 B239L

***Red Moon Rising: Sputnik and the
Hidden Rivalries that Ignited the Space
Age***

Matthew Brzezinski
629.41 B848R

***Space Race: The Epic Battle Between
America and the Soviet Union for
Dominion of Space***

Deborah Cadbury
629.409 C121S

Sputnik: The Shock of the Century

Paul Dickson
629.460947 D554S

***War in Heaven: The Arms Race in Outer
Space***

Helen Caldicott
327.174 C146W

FUTURE OF SPACE TRAVEL

***Fly Me to the Moon: An Insider's Guide to
the New Science of Space Travel***

Edward Belbruno
629.4111 B898F

***Hazards of Space Travel: A Tourist's
Guide***

Neil F. Comins
629.416 C733H

***How to Build Your Own Spaceship: The
Science of Personal Space Travel***

Piers Bizony
629.45 B625H

***Lunar Outpost: The Challenges of
Establishing a Human Settlement on the
Moon***

Erik Seedhouse
629.454 S451L

***Rocketeers: How a Visionary Band of
Business Leaders, Engineers, and Pilots is
Boldly Privatizing Space***

Michael P. Belfiore
338.0919 B428R

SpaceShipOne: An Illustrated History

Dan Linehan
629.45 L754S

Tourists in Space: A Practical Guide

Erik Seedhouse
919.904 S451T

Adult Fiction

Ascent

Jed Mercurio

Back to the Moon

Homer H. Hickam

Challenger Park

Stephen Harrigan

Code to Zero

Ken Follett

***Coyote: A Novel of
Interstellar Exploration***

Allen M. Steele

Ignition

Kevin J. Anderson

Mars

Ben Bova

Martian Chronicles

Ray Bradbury

Orbit

John J. Nance

Oxygen

Randall Ingermanson

Prepared for Rage

Dana Stabenow

Red Moon

Michael Cassutt

Red Thunder

John Varley

Space

James A. Michener

Strike Force

Dale Brown

The Time it Takes to Fall

Margaret Lazarus Dean

Voyage

Stephen Baxter

Zero-G

Alton Gansky

TEEN WEBSITES

Biographies

Astronaut and Cosmonaut Biographies

<http://www.jsc.nasa.gov/Bios/>

Women of NASA (showcases outstanding NASA women and their work, encouraging young women to pursue careers in math, science, and technology)

<http://quest.arc.nasa.gov/women/intro.html>

Fun Facts

Encyclopedia Astronautica

<http://www.astronautix.com/>

How Space Stations Work

<http://science.howstuffworks.com/space-station.htm>

Living in Space (information about the food, clothing, work and fun while living in space)

<http://spaceflight.nasa.gov/living/index.html>

Satellite Tracking (real time satellite tracking applications)

<http://science.nasa.gov/realtime/>

Space Age Living (Building the International Space Station)

<http://school.discoveryeducation.com/schooladventures/spacestation/>

Space Weather

<http://www.swpc.noaa.gov/Education/>

Your Weight on Other Worlds (find out how much you weigh on Mars or the Moon!)

<http://www.exploratorium.edu/ronh/weight/>

Future of Space Exploration and Travel

Challenging the Space Frontier (from Scholastic)

<http://teacher.scholastic.com/space/>

Future of Space Travel

http://www.kidsastronomy.com/future_space_craft.htm

Planet Quest (from NASA, discusses the plan to explore planets beyond our solar system)

<http://planetquest.jpl.nasa.gov/>

History of Space Exploration

America's Space Program: Exploring a New Frontier (from NPS, includes teaching resources)

<http://www.nps.gov/history/NR/twhp/wwwlps/lessons/101space/101space.htm>

Astrospies (an elite corps of secret U.S. astronauts trained to gather intelligence on the Soviets during the Cold War)

<http://www.pbs.org/wgbh/nova/astrospies/>

How the Space Race Worked (from How Stuff Works)

<http://science.howstuffworks.com/space-race.htm>

National Air and Space Museum

<http://www.nasm.si.edu/>

Space Exploration Library (from How Stuff Works)

<http://science.howstuffworks.com/space-exploration-channel.htm>

Women's Achievements in Aviation and Space

http://www.hq.nasa.gov/office/pao/women_gallery/sitemap.htm

World Book @ NASA for Students (articles from the World Book Encyclopedia that has information on space, space exploration, and more)

<http://www.nasa.gov/worldbook/wbkids/index.html>

The Solar System and Beyond

Amazing Space

<http://amazing-space.stsci.edu/>

Astronomy Links through Yahoo!

<http://dir.yahoo.com/Science/Astronomy/>

Astronomy Science Project Ideas

http://www.sciencebuddies.org/science-fair-projects/recommender_interest_area.php?ia=Astro

Cosmos 4 Kids (Middle schoolers, explore the universe, solar system, galaxies, and more.)

<http://www.cosmos4kids.com/>

Interactive Solar System (from National Geographic, includes facts, news, photos and more)

<http://science.nationalgeographic.com/science/space/solar-system>

Marc's Observatory (fun facts about space, the moon and its phases, the Milky Way, and more)

<http://www.marcsobservatory.com/>

Space Place (from NASA)

<http://spaceplace.jpl.nasa.gov/en/kids/index.shtml>

Star Journey (journey through the stars with National Geographic online)

<http://www.nationalgeographic.com/features/97/stars/>

The Eight Planets Solar System Tour

<http://www.nineplanets.org/>

Tonight's Sky

<http://www.earthsky.org/skywatching/>

Welcome to the Planets (from NASA)

<http://pds.jpl.nasa.gov/planets/welcome.htm>

Windows to the Universe

<http://www.windows.ucar.edu/>

Zoom Astronomy (from Enchanted Learning)

<http://www.enchantedlearning.com/subjects/astronomy/>

TEEN ELECTRONIC REFERENCE

Biography Resource Center

Lookup a specific astronaut/cosmonaut
Or click on "Occupation" and browse through "Astronaut"

Britannica Online for Kids

Career Guidance Center

Search Job Profiles: "Space" brings up a list of related careers

Encyclopedia of the Solar System

History Resource Center – World

Astronomy
NASA
Space Race
Space Exploration
Sputnik

Literature Resource Center

Rocket Boys
Homer Hickam
Have Space Suit Will Travel
Robert A. Heinlein

Science Resource Center

Astronomy
Galaxies
Solar System
Space Exploration
Stars

TEEN BOOKS

Teen Non-Fiction

Apollo to the Moon

Gregory P. Kennedy
629.454 K35A

Asteroids, Meteorites, and Comets

Linda T. Elkins-Tanton
523.5 E43A

***Career Ideas for Kids Who Like
Adventure and Travel***

Diane Lindsey Reeves
331.702 R332CA 2007

Final Frontier: Voyages Into Outer Space

David Owen
629.4 097F

First Men in Space

Gregory P. Kennedy
629.45 K35F

***Handbook to the Universe: Explorations
of Matter, Energy, Space, and Time for
Beginning Scientific Thinkers***

Richard Paul
500.2 P324H

History of Rockets

Ron Miller
621.4356 M649H

***Killer Rocks from Outer Space: Asteroids,
Comets, and Meteorites***

Steven N. Koppes
523.5 K83K

Robert H. Goddard

Karin Clafford Farley
629.4092 G578F

***Planetology: Comparing Other Worlds to
Our Own***

Fred Schaaf
523.5 S291P

***Sally Ride: First American Woman in
Space***

Carole Ann Camp
629.450092 R544C

Space People from A-Z

Ray Spangenburg
629.450092 S735S

***Space on Earth: Saving Our World by
Seeking Others***

Charles Cockell
919.904 C666S

Stephen Hawking: A Biography

Kristine M. Larsen
530.092 H392L

Strange Science: Outer Space

Q. L. Pearce (Querida Lee)
500.5 P359S

The Complete Idiot's Guide to NASA

Thomas Jones
629.40973 J79C

***UFO Headquarters: Investigations on
Current Extraterrestrial Activity***

Susan Wright
001.942 W935U

Teen Fiction

Alien Feast

Michael Simmons

Alien in a Bottle

Kathy Mackel

Ark Angel

Anthony Horowitz

Comet's Curse

Dom Testa

Countdown

Ben Mikaelson

Dancing with an Alien

Mary Logue

Death Trap

Sigmund Brouwer

Galax-arena

Gillian Rubinstein

Larklight, or The Revenge of the White Spiders!, or To Saturn's Rings and Back!: A Rousing Tale of Dauntless Pluck in the Farthest Reaches of Space

Philip Reeve

Monks in Space: Trapped in a Fatal Orbit

David Jones

Otherspace

David Stahler

Rules of the Universe by Austin W. Hale

Robin Vaupel

Silverville Swindle: A Novel

Kym O'Connell-Todd

Starclimber

Kenneth Oppel

Starcross, or The Coming of the Moobs! Or, Our Adventures in the Fourth Dimension!: A Stirring Adventure of Spies, Time Travel and Curious Hats

Philip Reeve

The Hitchhiker's Guide to the Galaxy

Douglas Adams

The Last Universe

William Sleator

This Place Has No Atmosphere

Paula Danziger

When the Tripods Came

John Christopher