

RECOMMENDED BOOKS AND VIDEO LIST

Need a little background information about the Moon, NASA History or earlier space exploration missions? Below is a suggested library list to help prepare you to provide answers to your students, or material to share with or suggest to your students to explore further. We thank our friends at St. Michael School in Hudson, MA for compiling this comprehensive list.

Adamson, Thomas K. **First Moon Landing**. Mankato, Minn: Capstone, 2007. Print. *The story of the first landing of men on the moon in July of 1969. Presented in graphic format.*

Aguilar, David A. **11 Planets: A New View of the Solar System**. Washington DC: National Geographic, 2008. Print. *Provides an introduction to the planets of the solar system, including the two new dwarf planets, Ceres and Eris.*

Aldrin, Buzz. **Reaching for the Moon**. New York: Harper Collins, 2005. Print. *An Apollo 11 astronaut takes readers on his journey that began in his childhood and led him to achieve his dream of walking on the moon, bringing to life an unparalleled moment in history for a new generation and showing how everyone can strive to achieve their dreams.*

AstroPuppies in Space. Dir. Tim Tully. 2009. Universe Productions, 2009. DVD. *Dramatic NASA videos and stunning photos from the Hubble Space Telescope are blended with puppetry and instructive animations, songs, and poems. This is an entertaining and educational introduction to astronomy and space exploration for young children.* (Amazon)

Bell, Jim. **Mars 3-D : A Rover's-Eye View of the Red Planet**. New York: Sterling, 2009. Print. *Presents the harsh landscape of the Red Planet through 3-D and color images from the robotic explorers Spirit and Opportunity; provides a close-up look at the Martian rocks, craters, valleys, and other geologic configurations.*

Bennett, Jeffrey. **Max Goes to Mars: A Science Adventure With Max the Dog**. Boulder, Colorado: Big Kid Science, 2006. Print. *When Max the dog becomes the first canine to embark on a mission to Mars, he makes one of the most important discoveries of all time, in a book that includes facts about Mars.*

Bennett, Jeffrey;. **Max Goes to the Moon: A Science Adventure With Max the Dog**. Boulder, Colorado: Big Kid Science, 2003. Print. *Taking the first trip to the Moon since the Apollo missions, Max the dog and his friend Tori help set up the first colony on the Moon.*

Bunting, Eve. **My Robot**. Orlando, FL: Harcourt, 2006. Print. *Cecil the robot is good at playing tag, leading the school band, and performing tricks with the dog, but there is one important thing he does best of all.*

Chaikin, Andrew. **Voices from the Moon: Apollo Astronauts Describe Their Lunar Experiences**. New York: Viking, 2009. Print. *Provides recollections from Apollo astronauts and a collection of photographs that document the history of the Apollo space program.*

Chaikin, Andrew, Victoria Kohl, and Alan Bean. **Mission Control, This Is Apollo: The Story of the First Voyages to the Moon**. New York: Penguin Group, 2009. Print. *Discusses the historic moment in 1969 when Apollo 11 landed on the moon, the major events that led up to this mission, and the advancements that have been made in space exploration from the Mercury missions to the present day.*

Cobb, Vicki. **I Fall Down**. New York: Harper Collins, 2004. Print. *Hands-on experimentation and fun*

facts provide beginning readers with a simple introduction to the concept of gravity in terms of how it works, why it works, and its importance in our everyday lives.

- Crelin, Bob. **Faces of the Moon**. Watertown, MA: Charlesbridge, 2009. Print. *Describes the moon's phases as it orbits the Earth every twenty-nine days using rhyming text and cut-outs that illustrate each phase.*
- Dahl, Michael. **On the Launch Pad : A Counting Book About Rockets**. Minneapolis, Minn.: Picture Window Books, 2004. Print. *A countdown from twelve to one as a space shuttle awaits liftoff.*
- Dean, James, et al. **NASA/Art: 50 Years of Exploration**. New York : Abrams : In association with NASA and the Smithsonian Institution, 2008. Print. *Ranging from the establishment of NASA in 1958 to the present day, the history of space exploration is chronicled through the work of some of the world's most renowned artists, including Robert Rauschenberg, Andy Warhol, Norman Rockwell, James Wyeth, Alexander Calder, Nam June Paik, William Wegman, and Annie Leibovitz, among others.*
- Floca, Brian. **Moonshot: The Flight of Apollo 11**. New York: Atheneum Books for Young Readers, 2008. Print. *From putting on their special uniforms and strapping themselves down in their seats to shooting off into the sky and floating about in space, this informative picture book provides an up-close look at this historic mission to the moon that took place forty years ago.*
- Glatzer, Jenna. **Exploration of the Moon : How American Astronauts Traveled 240,000 Miles to the Moon and Back, and the Fascinating Things They Found There**. Philadelphia: Mason Crest Pub., 2003. Print. *Discusses the Apollo space program of the 1960s and later unmanned NASA probes of the moon and describes the effects of space flight on the astronauts and some of what has been learned about the moon.*
- "The Great Robot Race: The DARPA Grand Challenge."** Nova. PBS. WGBH, Boston, 18 Mar. 2006. Television. *This Nova episode shows the real race of driverless vehicles crossing 130 miles of the Mojave Desert.*
- Henderson, Harry. **Modern Robotics : Building Versatile Machines**. New York: Chelsea House, 2006. Print. *Profiles eleven individuals, including mathematicians, engineers, and inventors, who have greatly influenced the field of robotics, focusing on their struggle to accomplish what they have.*
- Hyland, Tony. **How Robots Work**. North Mankato, Minn.: Smart Apple Media, 2008. Print. *Describes the kinds of jobs that robots are programmed to do and explains how they work, including how they move, sense the outside world, express feelings, and solve problems.*
- "In the Shadow of the Moon."** Dir. Ron Howard. 11-7-07. Lionsgate Entertainment, 02-22-08. DVD. *IN THE SHADOW OF THE MOON is an intimate epic, which vividly communicates the daring and the danger, the pride and the passion, of this extraordinary era in American history. Between 1968 and 1972, the world watched in awe each time an American spacecraft voyaged to the Moon. Only 12 American men walked upon its surface and they remain the only human beings to have stood on another world. Now for the first, and very possibly the last, time, IN THE SHADOW OF THE MOON combines archival material from the original NASA film footage, much of it never before seen, with interviews with the surviving astronauts, including Jim Lovell (Apollo 8 and 13), Dave Scott (Apollo 9 and 15), John Young (Apollo 10 and 16), Gene Cernan (Apollo 10 and 17), Mike Collins (Apollo 11), Buzz Aldrin (Apollo 11), Alan Bean (Apollo 12), Edgar Mitchell (Apollo 14), Charlie Duke (Apollo 16) and Harrison Schmitt (Apollo 17). The astronauts emerge as eloquent, witty, emotional and very human (Amazon).*

“Is There Life on Mars?” NOVA. PBS. WGBH, Boston, 30 Nov. 2008. Television. *Four years after they landed on Mars, NASA's twin robot explorers, Spirit and Opportunity, have lasted 16 times longer and driven 20 times farther than expected. Today they are joined by an aerial armada of hi-tech satellites, surveying Mars from orbit to reconstruct the planet's mysterious history. And on May 25, 2008, they also got company on the ground: NASA's Phoenix probe. NOVA's Is There Life on Mars? showcases the latest scientific revelations from a planet, once alien, now poised to reveal provocative new clues in the tantalizing quest to plumb its past for signs of water and, perhaps, even life.* (Amazon)

Jedicke, Peter. **Great Moments in Space Exploration**. New York: Chelsea House, 2007. Print. *Describes the steps taken in the history of space exploration, from the development of rockets and satellites to manned space flight and robot rovers.*

Jefferis, David. **Space Probes : Exploring Beyond Earth**. New York: Crabtree, 2009. Print. *Introduces space probes and explains how they monitor the planets and other bodies in the solar system.*

Kerley, Barbara. **Greetings from Planet Earth**. New York: Scholastic, 2007. Print. *Set in 1977, Theo is inspired to do a class project based on space exploration and life on Earth, thus leading him to think about his own life, the mystery surrounding his father in Vietnam, and possibly painful family secrets held by his mother.*

Marino, Nan. **Neil Armstrong Is My Uncle & Other Lies Muscle Man McGinty Told Me**. New York: Roaring Brook Press, 2009. Print. *Tamara dreams of the day when ten-year-old Muscle Man McGinty's constant lies catch up to him, but when an incredible event takes place in the summer of 1969, her outlook on life is altered in the most surprising way.*

McCarthy, Meghan. **Astronaut Handbook**. New York: Knopf, 2008. Print. *Journey aboard the “Vomit Comet” where the students of an astronaut school learn what it is like to do this exciting job by experiencing weightlessness, getting their measurements taken for a space suit, and performing a space walk!*

Moon Machines. Science Channel: A Discovery Company. 16 June 2008. Television. *The right tools for the job... The U.S. Moon missions would never have gotten 10 feet off the ground without the pioneering engineers and manufacturers and the amazing machines they created to turn science fiction into history-making headlines. From nuts and bolts to rockets and life support systems, every piece of gear was custom made from scratch to perform cutting-edge scientific tasks while withstanding the violent rigors of space travel. Now here's your chance to climb aboard the capsule, put on a spacesuit and learn the real stories behind the right stuff.* (Amazon)

Piddock, Charles. **Future Tech : From Personal Robots to Motorized Monocycles**. Washington DC: National Geographic, 2009. Print. *Explores the latest advances in technology and looks at future developments in robotics, medicine, transportation, and family life.*

Platt, Richard, and David Hawcock. **Moon Landing**. Somerville, MA: Candlewick Press, 2008. Print. *A pop-up celebration of moon exploration recreates the excitement of humankind's dreams of traveling to the moon, the race to conquer space, the technology needed to reach the moon and sustain the astronauts in space, and the first moon landing itself.*

Potter, Frank, and Christopher P Jargodzki, **Mad About Modern Physics : Braintwisters, Paradoxes, and Curiosities**. Hoboken, NJ: J Wiley, 2005. Print.

- Prochnow, Dave. **101 Outer Space Projects for the Evil Genius**. New York: McGraw-Hill, 2007. Print. *Describes projects, from model rockets and telescopes to star maps and home planetariums, related to the field of astronomy.*
- Pyle, Rod. **Destination Moon: The Apollo Missions in the Astronauts' Own Words**. New York: Harper Collins, 2005. Print. *Encompassing the firsthand accounts of the astronauts and other participants, a complete history of NASA's Apollo program includes coverage of the Apollo 11 moon landing and the near-catastrophic Apollo 13 mission.*
- Rinard, Judith. **Book of Flight : The Smithsonian National Air and Space Museum**. Buffalo, NY: Firefly Books, 2007. Print. *The major milestones in flight history illustrated from the collections of the National Air and Space Museum. Includes the development of flight and diagrams explaining flight science and technology.*
- Siy, Alexandra. **Cars on Mars : Roving the Red Planet**. Watertown, MA: Charlesbridge, 2009. Print. *Presents an introduction to the Mars Exploration Rovers (MERS), "Spirit" and "Opportunity," with photographs of the Mars landscape taken over a five-year period as the rovers searched for water on the red planet.*
- Stone, Jerry. **One Small Step: Celebrating the First Men on the Moon**. New York: Henry Holt, 2009. Print. *A celebration of the fortieth anniversary of the Apollo 11 moon landing is a collection of keepsakes and memories that bring America's historic moment of pride and accomplishment to life for a new generation.*
- Stone, Tanya Lee. **Almost Astronauts : 13 Women Who Dared To Dream**. Somerville, MA: Candlewick Press, 2009. Print. *Presents the story of the thirteen women connected with NASA's Mercury 13 space mission, who braved prejudice and jealousy to make their mark and open the door for the female pilots and space commanders that would soon follow.*
- Thimmesh, Catherine. **Team Moon : How 400,000 People Landed Apollo 11 on the Moon**. Boston: Houghton Mifflin, 2006. Print. *From the engineers to the suit testers, the story of the many people in various professions who worked behind-the-scenes to get Apollo 11 on the moon and safely back is presented through quotes, transcripts, national archives, and NASA photos.*
- Tiner, John Hudson. **100 Scientists Who Shaped World History**. San Mateo, CA: Bluewood Books, 2000. Print. *Profiles the scientists who made significant contributions, describes their failures and accomplishments, and explains how they impacted science and society.*
- Todd, Traci. **A Is for Astronaut : Exploring Space from A to Z**. San Francisco: Chronicle Books, 2006. Print. *Provides simple information about space arranged in alphabetical order with vintage and contemporary photographs, including pictures of Ham, the first chimpanzee in space and Neil Armstrong, the first astronaut to walk on the moon.*
- VanCleave, Janice Pratt. **Janice Vancleave's Engineering for Every Kid: Easy Activities That Make Learning Science Fun**. San Francisco: Jossey-Bass, 2006. Print. *Explains some of the basic physical principles of engineering, accompanied by activities that illustrate those principles.*
- Van Der Linden, F. Robert. **Best of the National Air and Space Museum**. New York: Harper Collins, 2006. Print. *A photographic tour of some of the top displays from the National Air and Space Museum is complemented by information on each item's history, design, and purpose.*

When We Left Earth. Discovery. June 2008. Television. *Since the dawn of mankind, we have stared up at the lights in the sky and wondered... Now join the heroic men and women who have dared the impossible on some of the greatest adventures ever undertaken - the quest to reach out beyond Earth and into the great unknown of space! To celebrate 50 years of incredible achievements, the Discovery Channel has partnered with NASA to reveal the epic struggles, tragedies and triumphs in a bold chapter of human history. Along with the candid interviews of the people who made it happen, hundreds of hours of never-before-seen film footage from the NASA archives - including sequences on board the actual spacecraft in flight - have been carefully restored, edited and compiled for this landmark collection.* (Amazon)

- - -. **Moon 3-d : The Lunar Surface Come to Life.** New York: Sterling, 2009. Print. *Presents a history of the exploration of the Moon along with a collection of 3-D images that can be seen with the provided special glasses.*

- - -. **Robots at Work and Play.** North Mankato, Minn: Smart Apple Media, 2008. Print. *Describes how robots can be used to perform work and provide entertainment.*

- - -. **Space Robots.** North Mankato, Minn.: Smart Apple Media, 2008. Print. *Describes how robots have been and will be used to explore the moon, Mars, and other planets and how they can be used to assist humans during manned missions into space.*

***All annotations of books supplied by Baker and Taylor School Selection*