

Chapter 4 Resources

* Resource that includes diversity

+ Books provided in alternative formats from the National Library Service for the Blind and Physically Handicapped (NLS)

^ Movies/DVDs available with the audio description feature

Books

Adamson, Thomas K. *Do You Really Want to Visit the Moon?* Illustrated by Daniele Fabbri. Amicus, 2013. 24 p. (978-1607531975). Young explorers take an imaginary trip to the moon and visit Apollo mission sites, then compare them to decide whether Earth is a good home.

Aldrin, Buzz. *Look to the Stars*. Illustrated by Wendell Minor. G.P. Putman's Sons, 2009. 40 p. (978-0399247217). An astronaut guides readers through the history of space exploration, including the first rockets, America's space race with Russia, the Apollo missions, and the space station.

*Brown-Wood, JaNay. *Imani's Moon*. Illustrated by Hazel Mitchell. Mackinac Island, 2014. 32 p. (978-1934133576). A small Maasai girl longs to do something great. When she decides she wants to touch the moon, she works hard to reach her goal.

*+Bruchac, Joseph, and Jonathan London. *Thirteen Moons on Turtle's Back: A Native American Year of Moons*. Illustrated by Thomas Locker. Puffin Books, 1997. (978-0698115842). Celebrate each moon of the year with poems based on legends from Native American tribes. Includes an author's note about the diversity of tribes and moon stories. BR8981

*+Burns, Khephra, and William Miles. *Black Stars in Orbit: NASA's African American Astronauts*. Gulliver Books, 1995. 80 p. (978-152004323). Photos and text explain African Americans' struggle to participate in America's space program. DB41667

Chambers, Roland. *The Rooftop Rocket Party*. Roaring Brook Press, 2003. 32 p. (978-0761318880). Finn longs to meet the man in the moon. A strange invitation may help him realize that dream.

+Chin, Jason. *Gravity*. Roaring Brook Press, 2014. 32 p. (978-1596437173). Gravity, the invisible force that causes objects to attract each other, is a complex subject made accessible in this brightly illustrated book. BR21071

Courgeon, Rémi. *Many Moons*. Walter Foster Jr., 2017. 32 p. (978-1633222984). Explore the phases of the moon with bright illustrations. Each spread features a moon phase and compares it to shapes such as a cat's tail, a banana, and a brilliant smile.

De La Rosa, Jeff. Out of This World series. Multiple titles. World Book, Inc., 2017. 48 p. ISBNs vary. This eight-volume series was produced in collaboration with NASA's Innovative and Advanced Concepts Program.

Dell, Pamela. *Man on the Moon: How a Photograph Made Anything Seem Possible*. Compass Point Books, 2011. 64 p. (978-0756544478). Explore the historical context of Neil Armstrong's iconic photo of the 1969 moon landing.

+Ehlert, Lois. *Moon Rope: A Peruvian Folktale = Un lazo a la luna: Una leyenda peruana*. Translated by Amy Prince. Harcourt Brace, 1992. 40 p. (978-0152553432). A bilingual adaptation of the Peruvian folktale in which Fox convinces Mole to climb to the moon with a woven grass rope. DB40759

*Feldman, Thea. *Meet Katherine Johnson*. Simon Spotlight, 2017. 48 p. (978-1534403413). Katherine Johnson's unparalleled mathematical calculations helped plan the trajectories for NASA's Mercury and Apollo missions.

Fierst, Gerald. *Imagine the Moon: A Primer of Full Moon Names*. Illustrated by Leslie Stall Widener. Plum Street, 2017. 32 p. (978-1945268021). In a two-tiered format designed for early learning, this book combines poetic imagery with expository text to create a compelling introduction to the calendar of full moons.

+Floca, Brian. *Moonshot: The Flight of Apollo 11*. Atheneum, 2009. 48 p. (978-1416950462). A true story of adventure and discovery, a story of leaving and returning during the summer of 1969, and a story of home seen from far away. DB85036

Fraknoi, Andrew, and Dennis Schatz. *When the Sun Goes Dark*. National Science Teachers Association Kids, 2017. 36 p. (978-1681400112). Explore the fascination with eclipses through science projects and safe viewing information.

Gibbons, Gail. *The Moon Book*. Holiday House, 1997. 32 p. (978-0823412976). This introductory book describes the moon's movement and phases, and discusses how humans have observed and explored it.

+Hadfield, Chris. *The Darkest Dark*. Illustrated by the Fan Brothers. Little, Brown Books for Young Readers, 2016. 48 p. (978-0316394727). Chris loves pretending he's an astronaut, but at night Chris doesn't feel so brave. DBC08737

Irvine, Alex. *The Far Side of the Moon: The Story of Apollo 11's Third Man*. Illustrated by Ben Bishop. Tilbury House, 2017. 64 p. (978-0884484523). This graphic novel tells a different side of the moon landing mission— of astronaut Michael Collins and his solo trip to the far side of the moon.

Jenkins, David. *Moonwalk: The Story of the Apollo 11 Moon Landing*. Illustrated by Adrian Buckley. Circa Press, 2017. 48 p. (978-0993072178). Celebrate human engineering with historical and scientific facts designed to encourage curiosity and interest in space and the moon.

+Joyce, William. *The Man in the Moon*. Atheneum Books for Young Readers, 2011. 56 p. (978-1442430419). When an orphan baby in the moon makes friends with the children of Earth, he shines to ward off their fears. DBC06574

*Keats, Ezra Jack. *Regards to the Man in the Moon*. Viking, 2009. 40 p. (978-0670011377). Using his imagination and a few scraps of junk, Louie and his friends travel through space.

Koll, Hilary, and Steve Mills. *You Do the Math: Launch a Rocket into Space*. Illustrated by Vladimir Aleksic. QEB, 2015. 32 p. (978-1609927295). Follow each stage of a mission and complete the math to make sure your rocket blasts clear of the atmosphere and returns safely.

Kortenkamp, Steve. *Future Explorers: Robots in Space*. Capstone, 2015. 48 p. (978-1491441633). Robonauts aid in exploring other planets, moons, and asteroids.

Krensky, Stephen. *The Great Moon Hoax*. Carolrhoda, 2011. 30 p. (978-0761351108). Based on a true story, 1830s newsboys sell copies of the paper reporting that a powerful telescope has found exotic animals and structures on the moon.

*+Lin, Grace. *Where the Mountain Meets the Moon*. Little, Brown Books for Young Readers, 2009. 288 p. (978-0415495257). An adventurous girl buys a magical goldfish, then joins a dragon on a quest to find the Old Man of the Moon. BR18712, DB70391

Linde, Barbara M. *Rocket Scientists*. PowerKids Press, 2016. 32 p. (978-1499418552). Designing and studying rockets is an exciting career that involves science, technology, engineering, and math.

Martin, Ruth. *Moon Dreams*. Candlewick Press, 2010. 32 p. (978-0763650124). A girl named Luna wonders where the moon goes during the daytime and imagines different answers to her question.

Mauer, Richard. *Rocket! How a Toy Launched the Space Age*. Knopf Books for Young Readers, 1995. 64 p. (978-0517596289). This history of modern rocketry follows its development from 19th-century dream to the modern towers of power.

McCarty, Peter. *Moon Plane*. Henry Holt, 2006. 40 p. (978-0805079432). After a gentle, imaginary trip from the earth to the moon and back, a boy ends up safely in his mother's arms.

McMullen, Gemma. *The Moon*. Booklife, 2016. 32 p. (978-1910512869). Facts and photographs about the moon. Includes highlighted vocabulary words.

McNulty, Faith. *If You Decide to Go to the Moon*. Illustrated by Steven Kellogg. Scholastic, 2005. 48 p. (978-0590483599). The reader participates in every aspect of the journey, from packing to liftoff to traveling through space.

Robaard, Jedda. *Stanley the Sock Monster Goes to the Moon*. Little Bee, 2015. 40 p. (978-1499800128). Stanley is a little monster with a big dream: to visit the moon.

Robbins, Dean. *Margaret and the Moon: How Margaret Hamilton Saved the First Lunar Landing*. Illustrated by Lucy Knisley. Knopf Books for Young Readers, 2017. 40 p. (978-0399551857). Introduces the mathematician whose childhood love of numbers led to her prestigious contributions at NASA.

Rustad, Martha E.H. *The Moon*. Capstone, 2016. 24 p. (978-1491483237). A scientific introduction to the moon for beginner readers.

Rustgi, Jennifer. *A Moon of My Own*. Dawn, 2016. 32 p. (978-1584695721). A girl dreams that she travels all seven continents with her companion, the moon.

+Salas, Laura Purdie. *If You Were the Moon*. Millbrook, 2017. 32 p. (978-1467780094). Poetic text is juxtaposed with scientific facts about the moon. DBC08752

Scott, Elaine. *Our Moon: New Discoveries About Earth's Closest Companion*. Clarion Books, 2016. 72 p. (978-0547483948). Includes information on the newest theories on how the moon formed, the discovery of water on its surface, and the future possibility of moon colonies.

*Shaefer, Carole Lexa. *Sometimes Moon*. Knopf Books for Young Readers, 1999. 40 p. (978-0517709818). A girl sees the changing moon as thin and silver like a dory boat, as a half circle like Mama's knitting basket, and full and chubby like a baby's cheeks.

*Shea, Pegi Deitz. *New Moon*. Boyds Mills, 1996. 32 p. (978-1563974106). Vinnie's big brother shows her the bright full moon, *la luna*, one night and starts her fascination with the ever-changing moon.

*Shepherd, Jodie. *To the Moon!* Illustrated by Mike Byrne. Millbrook, 2017. 24 p. (978-1512425369). Join Neil as he explores the moon's mountains and hills and collects space rocks for his science project.

*+Shetterly, Margot Lee. *Hidden Figures: The True Story of Four Black Women and the Space Race*. Illustrated by Laura Freeman. HarperCollins Children's Books, 2018. 40 p. (978-0062742469). The true story of NASA's hiring of several women mathematicians who helped send the United States into space for the very first time. BR21798, DB86234

*+Shetterly, Margot Lee. *Hidden Figures Young Readers' Edition*. HarperCollins Children's Books, 2016. 240 p. (978-0062662378). Before we got to the moon, a group of dedicated female mathematicians used pencils, slide rules, and adding machines to calculate the numbers that would launch rockets and forever change the face of the country. DB86824

*Singh, Rina, and Debbie Lush. *Moon Tales: Myths of the Moon from Around the World*. Bloomsbury, 2000. 80 p. (978-0747541127). This collection of stories from around the world shows how the moon has always made us curious.

+Swanson, Susan Marie. *The House in the Night*. Illustrated by Beth Krommes. Houghton Mifflin Books for Children, 2008. 40 p. (978-0618862443). This Caldecott Medal-winning bedtime book comforts by naming nighttime things. BR18041

+Thimmesh, Catherine. *Team Moon: How 400,000 People Landed Apollo 11 on the Moon*. Houghton Mifflin, 2006. 80 p. (978-0618507573). This book chronicles the lives of some of the hundreds of people who worked behind the scenes to land a man on the moon. DB63398

*Waxman, Laura Hamilton. *Aerospace Engineer: Aprille Ericsson*. Lerner, 2015. 32 p. (978-1467757935). At NASA, Aprille Ericsson has helped build spacecraft that can map the moon, monitor climate change, or even bring soil and rocks back from Mars.

Ziefert, Harriet. *You Can't Ride a Bicycle to the Moon!* Illustrated by Amanda Haley. Blue Apple Books, 2014. 40 p. (978-1609054199). Poems, quotes, and questions are interspersed to engage readers about the science and history of the moon and space travel.

Movie

^Melfi, Theodore, director. *Hidden Figures*. 20th Century Fox, 2017. 127 min. (B01LTI1RHG)

Music

Beethoven, Ludwig van. *Beethoven: Piano Sonatas Nos. 8 “Moonlight”, 14 “Appassionata” and 23 “Pathétique.”* Directed by Daniel Barenboim. DG Imports, 1990. (B000001G81). Includes *Moonlight Sonata*.

Laurie Berkner Band. *Rocketship Run*. Razor & Tie, 2016. (B01MDO43TJ). Includes “Rocketship Run.”

Debussy, Claude. *Clair de Lune: Debussy Favorites*. Performed by the Montreal Symphony Orchestra. Decca Records, 2012. (B00751K0GG). Includes the song “Clair de Lune.”

Web Resources

Apollo 11 HD Videos. www.nasa.gov/multimedia/hd/apollo11_hdpage.html

A Brief History of the Lunar Roving Vehicle. www.history.nasa.gov/alsj/MSFC-LRV.pdf

From Hidden to Modern Figures. www.nasa.gov/modernfigures

Full Moon Photographed from Apollo 11 Spacecraft.
www.nasa.gov/mission_pages/apollo/40th/images/apollo_image_25.html

Global Cardboard Challenge. <https://cardboardchallenge.com>

Google Moon. www.google.com/moon

Grown-Up Moon: What Do You See in Today’s Moon?
www.lpi.usra.edu/education/explore/marvelMoon/activities/familyNight/whatDoYouSee

Imani’s Moon. www.janaybrownwood.com/uploads/2/6/1/9/26190964/rif_imanis-moon_guide.pdf

Lunar Tunes. <https://moon.nasa.gov/galleries/lunar-tunes/infographic>

Ozobot. <https://ozobot.com/stem-education>

Rocket Parts. <https://spaceflight systems.grc.nasa.gov/education/rocket/rockpart.html>

Apollo to the Moon. <https://airandspace.si.edu/exhibitions/apollo-to-the-moon>

Sphero Edu Activities. <https://edu.sphero.com/cwists/category>

Touchdown Activity. www.jpl.nasa.gov/edu/teach/activity/touchdown

Where the Mountain Meets the Moon. www.gracelinbooks.com/files/Mountain_Moon_EduGuide.pdf

Apps

Cateater, LLC. **Stop Motion Studio.** Create and edit stop-motion movies with themes, titles, and sound effects. Free.

Sphero, Inc. **Sphero.** Complete missions and master your Sphero skills. Free.

Evolve, Inc. **Ozobot.** Play OzoDraw, OzoLuck, and OzoPath. Free.