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DK Readers L1: Lego(r) Women of Nasa:

Space Heroes-Hannah Dolan 2018-02-13

Profiles four women who have been integral to NASA's space program, helping to develop the Hubble Space Telescope, create computer code to send spacecraft to the moon, and work onboard the space shuttle.

Space Heroes-Hannah Dolan 2019-02 Presented

with fun images, simple vocabulary and lots of word repetition to engage young readers and help them build their literary skills, DK Reader L1: LEGO Women of NASA celebrates achievements in science, technology, engineering and mathematics.

Lego® Women of Nasa: Space Heroes-

Hannah Dolan 2018 Meet four amazing women - astronauts, scientists and mathematicians - who helped make space travel a reality. Illustrated with photography from the new LEGO Ideas Women of NASA set, this book for children learning to read is a fun way to discover the achievements of some of space travel's greatest pioneers. Read about Mae Jemison, the first African American woman to travel in space. Find out how Sally Ride inspired future scientists after her career as an astronaut. Discover how Margaret Hamilton created computer software for the Apollo mission, and see the stars with Nancy Grace Roman through the giant Hubble Telescope. Learn about NASA, and explore what life is like aboard the Endeavour Space Shuttle! Presented with fun images, simple

vocabulary and lots of word repetition to engage young readers and help them build their literary skills, DK Reader L1: LEGO Women of NASA celebrates achievements in science, technology, engineering and mathematics. 2018 The LEGO Group.

Galaxy Girls-Libby Jackson 2018-06-05 Filled

with beautiful full-color illustrations, a groundbreaking compendium honoring the amazing true stories of fifty inspirational women who helped fuel some of the greatest achievements in space exploration from the nineteenth century to today—including Hidden Figure's Mary Jackson and Katherine Johnson as well as former NASA Chief Astronaut Peggy Whitson, the record-holding American biochemistry researcher who has spent the most cumulative time in space. When Neil Armstrong stepped off the ladder of the lunar module, Eagle, he famously spoke of "one small step for man." But Armstrong would not have reached the moon without the help of women. Today, females across the earth and above it—astronauts and mathematicians, engineers and physicists, test pilots and aerospace psychophysicists—are pushing the boundaries of human knowledge, helping us to understand the universe and our place in it. Galaxy Girls celebrates more than four dozen extraordinary women from around the globe whose contributions have been fundamental to the story of humankind's quest to reach the stars. From Ada Lovelace in the nineteenth century to the "colored computers" behind the Apollo missions, from the astronauts breaking records on the International Space Station to the scientific pioneers blazing the way to Mars, Galaxy Girls goes boldly where few

books have gone before, celebrating this band of heroic sisters and their remarkable and often little known scientific achievements. Written by Libby Jackson, a leading British expert in human space flight, and illustrated with striking artwork from the students of London College of Communication, *Galaxy Girls* will fire the imaginations of trailblazers of all ages.

Find Where The Wind Goes-Mae Jemison

2002-12-01 The first African American woman to travel to space shares her special memories from her childhood in Chicago, to her college career at Stanford University, to her work in West Africa as the Peace Corps youngest medical officer.

Chris Hadfield and Living on the

International Space Station-Andrew Langley
2015-08 Join Chris Hadfield living on the International Space Station! This book examines the extraordinary life of one of the most popular astronauts, from his early life to the six months he spent living in space. Discover what the International Space Centre is used for, and how astronauts like Hadfield can live there. Find out about the rigorous training that astronauts undergo and how they prepare for a journey into the unknown.

Hidden Human Computers: The Black Women of NASA-Sue Bradford Edwards

2016-12-06 *Hidden Human Computers* discusses how in the 1950s, black women made critical contributions to NASA by performing calculations that made it possible for the nation's astronauts to fly into space and return safely to Earth. Aligned to Common Core Standards and correlated to state standards. Essential Library is an imprint of Abdo Publishing, a division of ABDO.

Astronaut and Physicist Sally Ride-Margaret

J. Goldstein 2018-08-01 Audisee® eBooks with Audio combine professional narration and sentence highlighting to engage reluctant readers! Have you ever dreamed of going to outer space? When Sally Ride was a little girl, she watched on TV as astronaut John Glenn launched into space. Twenty years later, she became the first American woman to go to space. Ride had loved science since she was young. Some of her teachers thought she was wasting

her time studying science, but she went on to earn her PhD in astrophysics anyway. When NASA's astronaut training program opened to women, Ride quickly applied. Some people thought women couldn't handle space flight. But Ride worked hard and proved them all wrong. Later, she became a physics professor and started her own business to encourage young people to study science. Learn more about Ride's career as a NASA astronaut and educator.

Margaret and the Moon-Dean Robbins 2017

Introduces the woman mathematician whose childhood love of numbers led to her prestigious education and contributions at NASA while explaining how her handwritten codes proved essential throughout numerous space missions.

Robots in Space-Nancy Furstinger 2014-08-01

Robots help us understand our universe. Some fly to distant planets. Others work alongside astronauts in space. And some drive across the surface of Mars. How do these robots work, and what are they doing today? Read this book to find out!

Astronaut Mae Jemison-Allison Lassieur

2016-08-01 While watching *Star Trek* on television as a child, Mae Jemison was certain she would one day visit space. As an adult, she made this dream a reality when she became the first black female NASA astronaut. Jemison became a medical doctor before applying for NASA's Space Shuttle program. Then, in 1992, she blasted off on the shuttle *Endeavour* and conducted scientific experiments to test the effects of space on human bone cells. Jemison has dedicated her life to science education and to finding ways to use technology to help communities around the world. Find out how Jemison's passion for science led to her many impressive achievements.

Living in Space-Christine Dugan 2012-01-30

An overview of the life of an astronaut provides information on performing such tasks as eating, sleeping, and keeping clean in space.

LEGO Space-Peter Reid 2013-11-01 Come explore an incredible LEGO® universe in *LEGO Space: Building the Future*. Spaceships, orbital

outposts, and new worlds come to life in this unique vision of the future, built completely from LEGO bricks. A selection of step-by-step building instructions will have you constructing your own cosmic creations to play with at home. Marvel at interstellar battlecruisers, space pirates, charming robots, and other stunning builds from an amazing future!

How Do Space Vehicles Work?-Buffy

Silverman 2017-08-01 Space vehicles are out of this world! But how do they fly out into space? How do they carry people safely? And what parts do these amazing aircraft have? Find the answers inside this book!

Space Junk-Karen Romano Young 2016-01-01

Scientists have identified at least 100 million pieces of space debris—from paint chips to nonoperational zombie satellites—floating in Earth's orbit. And over 100 tons of those pieces enter Earth's atmosphere each year! Journey into outer space and learn about the dangers of space junk collisions, how scientists track them, and how space agencies are working to develop new technologies to clean up the space junk. Along the way, you'll hear from the scientists who are working to ensure that outer space remains a safe place to travel and explore. If we don't tackle the space junk problem, it might be impossible to travel into space; it could even trap us on Earth.

LEGO Space-Peter Reid 2013 "A beautiful, four-color book that showcases an epic LEGO universe. Full of advanced models guaranteed to inspire, as well as simpler models with building instructions"--

Fighting for Space-Amy Shira Teitel 2020-02-18

Spaceflight historian Amy Shira Teitel tells the riveting story of the female pilots who each dreamed of being the first American woman in space. When the space age dawned in the late 1950s, Jackie Cochran held more propeller and jet flying records than any pilot of the twentieth century—man or woman. She had led the Women's Auxiliary Service Pilots during the Second World War, was the first woman to break the sound barrier, ran her own luxury cosmetics company, and counted multiple presidents among her personal friends. She was more

qualified than any woman in the world to make the leap from atmosphere to orbit. Yet it was Jerrie Cobb, twenty-five years Jackie's junior and a record-holding pilot in her own right, who finagled her way into taking the same medical tests as the Mercury astronauts. The prospect of flying in space quickly became her obsession. While the American and international media spun the shocking story of a "woman astronaut" program, Jackie and Jerrie struggled to gain control of the narrative, each hoping to turn the rumored program into their own ideal reality—an issue that ultimately went all the way to Congress. This dual biography of audacious trailblazers Jackie Cochran and Jerrie Cobb presents these fascinating and fearless women in all their glory and grit, using their stories as guides through the shifting social, political, and technical landscape of the time.

The 100 Year Starship-Mae Jemison

2013-01-01 Introduces the solar system and explains how astronomers have used technology to discover new stars and planets.

LEGO® Minifigure A Visual History New

Edition-Gregory Farshtey 2020-10-13 Celebrate the epic journey of the LEGO® minifigure. Enter the world of minifigures with this fully updated edition. The first minifigure was created in 1978, and today the entire minifigure population could circle the globe more than five times! Starring more than 2,000 of the most popular and rarest minifigures from the LEGO® Minifigure Series and themes including LEGO® NINJAGO®, THE LEGO® MOVIE™, LEGO® Star Wars™, LEGO® City, LEGO® Harry Potter™, and many more. From astronauts and vampires to Super Heroes and movie characters, feast your eyes on the most awesome minifigures of every decade! ©2020 The LEGO Group.

Astronauts-Mary Elizabeth Salzmann 2015-08

Give kids a chance to find out more about Astronauts like Neil Armstrong and Sally Ride. They will learn about the first man on the moon, explore the parts of a space suit, find out what astronauts do during their days off and more. Engaging photos, exciting graphics, and a fun quiz at the end of each book will keep them learning. Aligned to Common Core Standards and correlated to state standards. Super Sandcastle is an imprint of Abdo Publishing, a

division of ABDO.

Handprints on Hubble-Kathryn D. Sullivan 2020-12 The first American woman to walk in space recounts her experience as part of the team that launched, rescued, repaired, and maintained the Hubble Space Telescope. The Hubble Space Telescope has revolutionized our understanding of the universe. It has, among many other achievements, revealed thousands of galaxies in what seemed to be empty patches of sky; transformed our knowledge of black holes; found dwarf planets with moons orbiting other stars; and measured precisely how fast the universe is expanding. In *Handprints on Hubble*, retired astronaut Kathryn Sullivan describes her work on the NASA team that made all of this possible. Sullivan, the first American woman to walk in space, recounts how she and other astronauts, engineers, and scientists launched, rescued, repaired, and maintained Hubble, the most productive observatory ever built. Along the way, Sullivan chronicles her early life as a "Sputnik Baby," her path to NASA through oceanography, and her initiation into the space program as one of "thirty-five new guys." (She was also one of the first six women to join NASA's storied astronaut corps.) She describes in vivid detail what liftoff feels like inside a spacecraft (it's like "being in an earthquake and a fighter jet at the same time"), shows us the view from a spacewalk, and recounts the temporary grounding of the shuttle program after the Challenger disaster. Sullivan explains that "maintainability" was designed into Hubble, and she describes the work of inventing the tools and processes that made on-orbit maintenance possible. Because in-flight repair and upgrade was part of the plan, NASA was able to fix a serious defect in Hubble's mirrors--leaving literal and metaphorical "handprints on Hubble." *Handprints on Hubble* was published with the support of the MIT Press Fund for Diverse Voices.

Thanks, NASA!-Tom Greve 2012-08-01 This Book Explores The Tremendous Contribution That NASA Has Made Over The Last Half Century. Detailed Timelines About Space Exploration And The Development Of The Space Program Are All Discussed In Detail. Also Gives Detailed Information About Astronauts And Their Explorations.

NASA and the Astronauts-Lisa J. Amstutz 2018-01-01 Explores scientists' thrilling quest to send humans into outer space. Engaging text, vibrant photos, and informative infographics help readers learn about this important advancement in exploring space, as well as the people and technology that made it possible.

Journeys to Outer Space-Megan Kopp 2019 How soon can you board a rocketship to Mars? And how will you survive when you get there? There are so many challenges to overcome in sending a human into space, such as problems of distance, fuel, and propulsion. This compelling book describes the history and future of space travel and the exciting areas of research travel presents.

Space Adventurer-Andi Diehn 2019-09-10 In *Space Adventurer: Bonnie Dunbar, Astronaut*, readers ages 5 to 8 meet a girl who went from working hard on her family's farm to traveling into space aboard NASA's space shuttle Challenger! Age-appropriate vocabulary, detailed illustrations, simple STEM projects such as drawing a scene from another planet, and a glossary all support foundational learning. Perfect for beginner readers or as a read aloud nonfiction picture book!

Hidden Figures-Margot Lee Shetterly 2016-09-06

Watch This Space: Astronomy, Astronauts and Space Exploration-Clive Gifford 2016-06-23 "Uncover the amazing story of astronomy from telescopes in space to outstanding observatories. Learn about the latest space probes, how rockets lift off, and what it's like living in the weightlessness of space. And find out about the remarkable astronauts who have spacewalked their way into history."

Mae Carol Jemison-

Smithsonian American Women-Smithsonian Institution 2019-10-29 An inspiring and surprising celebration of U.S. women's history told through Smithsonian artifacts illustrating

women's participation in science, art, music, sports, fashion, business, religion, entertainment, military, politics, activism, and more. This book offers a unique, panoramic look at women's history in the United States through the lens of ordinary objects from, by, and for extraordinary women. Featuring more than 280 artifacts from 16 Smithsonian museums and archives, and more than 135 essays from 95 Smithsonian authors, this book tells women's history as only the Smithsonian can. Featured objects range from fine art to computer code, from First Ladies memorabilia to Black Lives Matter placards, and from Hopi pottery to a couch from the Oprah Winfrey show. There are familiar objects--such as the suffrage wagon used to advocate passage of the 19th Amendment and the Pussy Hat from the 2016 Women's March in DC--as well as lesser known pieces revealing untold stories. Portraits, photographs, paintings, political materials, signs, musical instruments, sports equipment, clothes, letters, ads, personal possessions, and other objects reveal the incredible stories of such amazing women as Phillis Wheatley, Julia Child, Sojourner Truth, Mary Cassatt, Madam C. J. Walker, Amelia Earhart, Eleanor Roosevelt, Mamie Till Mobley, Dolores Clara Fernández Huerta, Phyllis Diller, Celia Cruz, Sandra Day O'Connor, Billie Jean King, Sylvia Rivera, and so many more. Together with illuminating text, these objects elevate the importance of American women in the home, workplace, government, and beyond. Published to commemorate the centennial of the 19th Amendment granting women the right to vote, Smithsonian American Women is a deeply satisfying read and a must-have reflection on how generations of women have defined what it means to be recognized in both the nation and the world.

Meet the Fingerlings-DK 2018-09-28 Meet a lively gang of monkey, sloth and unicorn friends who love to hang out together! Join the Fingerlings in Melody Village and read about their home, their hobbies and their favourite things. Engaging topics and fun, interactive pages build reading skills in this Level 1 Reader - just right for children who are learning to read. A fun quiz at the end of the book helps to develop reading comprehension skills. Each title in the DK Readers series is developed in consultation with leading literacy experts to help children build a lifelong love of reading. Fingerlings® and all product names, designations and logos are trademarks of WowWee Group Limited.

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Sally Ride-Lynn Sherr 2015-03-24 Sally Ride made history as the first American woman in space. A member of the first astronaut class to include women, she broke through a quarter-century of white male fighter jocks when NASA chose her for the seventh shuttle mission, cracking the celestial ceiling and inspiring several generations of women. After a second flight, Ride served on the panels investigating the Challenger explosion and the Columbia disintegration that killed all aboard. In both instances she faulted NASA's rush to meet mission deadlines and its organizational failures. She cofounded a company promoting science and education for children, especially girls.

Space Engineer and Scientist Margaret Hamilton-Domenica Di Piazza 2017-08-01 Have you ever watched video of astronauts walking on the moon? Margaret Hamilton programmed software that helped get them there. As a girl, Hamilton loved math and science. She grew up during a time when very few women studied computer science, but Hamilton knew she wanted to write code. As an adult, she worked on NASA's Apollo program, creating computer programs to guide spacecraft to and from the moon. This included the 1969 Apollo 11 mission—the first spaceflight that landed humans on the moon. In 2016, Hamilton was awarded the Presidential Medal of Freedom for her work. Learn how Hamilton's passion for math and computers played a key role in space exploration.

Mae Jemison-Rachel Rose 2020-08 Mae Jemison's groundbreaking journey to space opened doors for future women to succeed in STEM fields and beyond. Find out what led to her expedition to space, and learn more about the great work she has done since.

The Space Economy in Figures How Space Contributes to the Global Economy-OECD 2019-07-05 The space economy is expanding and becoming increasingly global, driven by the development of ever-more governmental space programmes around the world, the multiplication of commercial actors in value chains, durable digitalisation trends, and new space systems

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coming of age. This report describes these emerging trends using new and internationally comparable data and indicators.

The Challenger Space Shuttle Explosion-

William Caper 2017 Young readers will meet the crew members, including Sharon Christa McAuliffe, the first school teacher chosen for space flight. Kids will learn the history of the space shuttle program, discover what went wrong, and read how NASA has since revised the shuttle program.

To Space and Back-Sally Ride 1989-08-18

Much has been written about the vast scientific importance of space exploration, but very little about the human side of being a member of an astronaut crew. In this book, with the help of journalist Susan Okie, Sally Ride shares the personal experience of traveling into space. America's first woman astronaut answers questions most frequently asked about a journey through space.

NASA-Derek Zobel 2012-08-01 The United States accelerated the space race in 1958 by forming NASA. Eager readers will learn about the history of NASA and its many manned and unmanned missions.

Breaking the Chains of Gravity-Amy Shira Teitel 2016-01-12 The incredible story of spaceflight before the establishment of NASA. NASA's history is a familiar story, one that typically peaks with Neil Armstrong taking his small step on the Moon in 1969. But America's space agency wasn't created in a vacuum. It was assembled from pre-existing parts, drawing together some of the best minds the non-Soviet world had to offer. In the 1930s, rockets were all the rage in Germany, the focus both of scientists hoping to fly into space and of the German armed forces, looking to circumvent the restrictions of

the Treaty of Versailles. One of the key figures in this period was Wernher von Braun, an engineer who designed the rockets that became the devastating V-2. As the war came to its chaotic conclusion, von Braun escaped from the ruins of Nazi Germany, and was taken to America where he began developing missiles for the US Army. Meanwhile, the US Air Force was looking ahead to a time when men would fly in space, and test pilots like Neil Armstrong were flying cutting-edge, rocket-powered aircraft in the thin upper atmosphere. *Breaking the Chains of Gravity* tells the story of America's nascent space program, its scientific advances, its personalities and the rivalries it caused between the various arms of the US military. At this point getting a man in space became a national imperative, leading to the creation of the National Aeronautics and Space Administration, otherwise known as NASA.

Beyond Earth-Asif A. Siddiqi 2018 This is a completely updated and revised version of a monograph published in 2002 by the NASA History Office under the original title *Deep Space Chronicle: A Chronology of Deep Space and Planetary Probes, 1958-2000*. This new edition not only adds all events in robotic deep space exploration after 2000 and up to the end of 2016, but it also completely corrects and updates all accounts of missions from 1958 to 2000-- Provided by publisher.

Choose Your Own Career Adventure-Don Rauf 2016-08 "What do people do at NASA (and in outer space)? Readers pick from eight different scenarios and experience "next best thing to being there yourself" opportunities for interactive career exploration. Sidebars promote additional learning activities and independent research"-- Provided by publisher.