

# LEGO Women Of NASA Space Heroes (DK Readers Level 1)

*In the 1950s, NASA relied on human computers. These skilled women did calculations by hand. While astronauts and their accomplishments were well known, human computers often worked behind the scenes. Hidden Heroes: The Human Computers of NASA explores the legacy of NASA's human computers. Aligned to Common Core Standards and correlated to state standards. Core Library is an imprint of Abdo Publishing, a division of ABDO.*

*Join the heroes of LEGO City as they race to save the day! This is certainly one of the coolest kids reading books around. Engaging topics and fun, interactive pages build reading skills in this Level 2 Reader - just right for children who are beginning to read with support. Race to an accident with the ambulance crew and find out if the police will catch the crooks and keep LEGO City safe! This reading book for kids features an exciting range of 2016 minifigures and sets, and this well-loved LEGO theme will capture kids' imagination as they build up their reading skills with help. If your little one is a LEGO fanatic, they might even have some of these LEGO sets at home to play along with the story. LEGO City: Heroes To The Rescue is perfect for 5 - 7 year olds who are beginning*

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to read fluently with support. Level 2 titles contain carefully selected photographic images to complement the text, providing strong visual clues to build vocabulary and confidence. Additional informational spreads are full of extra fun facts, developing the topics through a range of nonfiction presentation styles such as diagrams, and activities. A glossary and fun quiz at the end of the book help to develop vocabulary and reading comprehension skills. Plus, there is a super cool section full of tips for parents. *Imagine, Engage & Build Vocabulary!* Learn to read with fun stories about your favorite LEGO City heroes, and then enjoy the fun quiz at the end to encourage recall and comprehension. Packed with cool tips for parents, you simply can't go wrong with this awesome Level 2 reader, perfect for any LEGO obsessed child. Each title in the DK Readers series is developed in consultation with leading literacy experts to help children build a lifelong love of reading. Go on an adventure through these pages with: - *Firefighters, paramedics, and police officers racing to save the day* - Strong visual clues to build vocabulary and confidence - Fun facts and activities - Compelling, informational narrative This book is part of an exciting educational book series for children, developing the habit of reading widely for both pleasure and information. These chapter books have a compelling main narrative to suit your child's reading

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ability. Each book is designed to develop your child's reading skills, fluency, grammar awareness, and comprehension in order to build confidence and engagement when reading. Add other Level 2 titles to your collection covering a range of topics like *What Is An Election?*, *Hello Hedgehog*, *Amazing Bees*, *LEGO Ninjago How To Be A Ninja*, many *Star Wars* titles, and more. LEGO, the LEGO logo, the Brick and Knob configurations, and the Minifigure are trademarks of the LEGO Group. ©2016 The LEGO Group. All rights reserved. Produced by DK Publishing under license from the LEGO Group.

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

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*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.*

*Meet four fantastic women from NASA! Learn about two of the first female astronauts to fly to space. Discover how a computer scientist sent a spacecraft to the moon. Be inspired to become a future space hero! 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. ©2018 The LEGO Group.*

*The Challenger Space Shuttle Explosion  
Marine Biology*

*Lego® Women of Nasa: Space Heroes*

*The First American Woman to Walk in Space  
Living and Working in Space*

*The Art, Science, and Reality of Working in Space*

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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.

The Aspiring Astronaut's Guide to Getting Lost in Outer Space "Kellie is probably one of the best ambassadors for spaceflight in the 21st century that the industry could have." —Lucy Hawking, author of George's Secret Key to the Universe and host of Audible's Lucy in the Sky. #1 New Release in Science & Math, Essays & Commentary and Astronautics & Space Flight Follow aerospace science professional Kellie Gerardi's non-traditional path in the space industry as she guides and encourages anyone who has ever dreamed about stars, the solar system, and the galaxies in space. Ever wondered what it's like to work in outer space? In this candid science memoir and career guide, Gerardi offers an inside look into the industry beginning to eclipse Silicon Valley. Whether you have a space science degree or are looking to learn about stars, Not Necessarily Rocket Science proves there's room for anyone who is passionate about exploration. What it's like to be a woman in space.

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With a space background and a mission to democratize access to space, this female astronaut candidate offers a front row seat to the final frontier. From her adventures training for Mars to testing spacesuits in microgravity, this unique handbook provides inspiration and guidance for aspiring astronauts everywhere. Look inside for answers to questions like: • Will there be beer on Mars? • Why do I need to do one-handed pushups in microgravity? • How can I possibly lose a fortune in outer space? If you're looking for women in science gifts, astronomy books for adults, or NASA stories—or enjoyed, the Galaxy Girls book, or Letters from an Astrophysicist by Neil deGrasse Tyson—then you'll love Not Necessarily Rocket Science.

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

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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.

Discusses the Challenger space shuttle explosion, including information on the shuttle, the crew, and what went wrong.

Find Out How They Keep the City Safe

Stories from Trailblazing Women of NASA's Johnson Space Center

Making Space for Women

Muslim Girls Rise

Space Engineer and Scientist Margaret Hamilton  
Awesome Heroes

***Find out all about NASA in this out-of-this-world addition to the What Was? series. The National Aeronautics and Space Administration, better known as NASA, began in 1958. With its creation, the United States hoped to ensure it won the space race against the Soviet Union. Author Sarah Fabiny describes the origins of NASA, the launching of the Apollo program that landed the first human on the moon, and the many missions and discoveries that have taken***

***place since then. NASA has a rich history and still plays an important role in uncovering the mysteries of the universe. Readers are sure to get sucked into this book.***

***New York Times bestseller Rachel Ignotofsky's Women in Art comes to the youngest readers in board format! Highlighting the creative contributions of female artists, this board book edition of the original bestseller features simpler text and Rachel Ignotofsky's signature illustrations reimagined for younger readers, to give young creators the perfect role models to grow up with while inspiring a love of art. The collection features diverse women creating a wide array of artistic mediums who paved the way for the next generation of artists. The perfect gift for fans of Rachel Ignotofsky's other board books and buyers of Dream Big, Little One and A Is for Awesome!***

***Discover the Dark Side of the LEGO® Star Wars™ galaxy! Meet the villains of the LEGO Star Wars galaxy. Learn about Darth Vader, Darth Maul, Kylo Ren, and more favorite characters. Find out how they use the Dark Side of the Force.***

***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. ©2017 The LEGO Group. © & TM 2017 Lucasfilm Ltd.***

***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.***

***To the Stars!***

***3, 2, 1, Liftoff!***

***Women in Space***

***Astronaut and Educator***

***Wernher von Braun: Revolutionary***

***Rocket Engineer***

***Space Stations***

***When Valentina Tereshkova blasted off aboard Vostok 6***

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*on June 16, 1963, she became the first woman to rocket into space. It would be 19 years before another woman got a chance—cosmonaut Svetlana Savitskaya in 1982—followed by American astronaut Sally Ride a year later. And by breaking the stratospheric ceiling, these women forged a path for many female astronauts, cosmonauts, and mission specialists to follow. In *Women in Space*, author Karen Bush Gibson profiles 23 pioneers, all of whom achieved greatness in orbit. Read about Eileen Collins, the first woman to command the Space Shuttle; Peggy Whitson, who has logged more than a year in orbit aboard the International Space Station; Mae Jemison, the first African American woman in space; as well as astronauts from Japan, Canada, Italy, South Korea, France, and more. Learn, too, about the Mercury 13, American women selected by NASA in the late 1950s to train for spaceflight. Though they matched and sometimes surpassed their male counterparts in performance, they were ultimately denied the opportunity to head out to the launching pad. Their story, and the stories of pilots, physicists, and doctors who followed them, demonstrate the vital role women have played in the quest for scientific understanding. Karen Bush Gibson is the author of *Women Aviators*, *Native American History for Kids*, and three dozen other books for young readers. She lives in Norman, Oklahoma.*

*The first African American woman to travel to space shares her special memories from her childhood in*

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*Chicago, to her college career at Stanford University, to her work in West Africa as the Peace Corps youngest medical officer.*

*A true story from one of the Women of NASA! Margaret Hamilton loved numbers as a young girl. She knew how many miles it was to the moon (and how many back). She loved studying algebra and geometry and calculus and using math to solve problems in the outside world. Soon math led her to MIT and then to helping NASA put a man on the moon! She handwrote code that would allow the spacecraft's computer to solve any problems it might encounter. Apollo 8. Apollo 9. Apollo 10. Apollo 11. Without her code, none of those missions could have been completed. Dean Robbins and Lucy Knisley deliver a lovely portrayal of a pioneer in her field who never stopped reaching for the stars.*

*Meet Wernher von Braun, who developed the booster rocket that won the Space Race for the United States! Follow von Braun's story from his early work developing the V-2 ballistic missile to his development of the Saturn V booster rocket that took Apollo 11 to the moon. Infographics, historic photos, and a glossary enhance readers' understanding of this topic. Additional features include a table of contents, an index, a timeline and fun facts. Aligned to Common Core Standards and correlated to state standards. Checkerboard Library is an imprint of Abdo Publishing, a division of ABDO.*

*Amazing Stories of Women in Space*  
*Carbon Queen*

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### ***Sally Ride: A Photobiography of America's Pioneering Woman in Space***

### ***A Beginner's Guide to Life in the Space Age***

### ***The 100 Year Starship***

### ***Fighting for Space***

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

Kathy Sullivan wanted to go everywhere. She loved blueprints and maps. She loved languages and the ocean. She didn't like the question, "What do you want to be when you grow up?" She wanted to explore and do exciting things that girls weren't supposed to be able to do. Only men had the exciting jobs. Kathy liked fishing and swimming; flying planes and studying science. That's what she liked and that's what she decided to do with her life. She followed her heart and eventually became a NASA astronaut and the first woman to walk in space. Kathy wanted to see the whole world and so she did: from space! Backmatter includes further information about Dr. Sullivan and her career, as well as other famous firsts made by women astronauts.

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

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achievements in science, technology, engineering and mathematics.

From small steps to giant leaps, *A Galaxy of Her Own* tells fifty stories of inspirational women who have been fundamental to the story of humans in space, from scientists to astronauts to some surprising roles in between. From Ada Lovelace in the nineteenth century, to the women behind the Apollo missions, from the astronauts breaking records on the International Space Station to those blazing the way in the race to get to Mars, *A Galaxy of Her Own* reveals extraordinary stories, champions unsung heroes and celebrates remarkable achievements from around the world. Written by Libby Jackson, a leading UK expert in human space flight, and illustrated with bold and beautiful artwork from the students of London College of Communication, this is a book to delight and inspire trailblazers of all ages. Packed full of both amazing female role models and mind-blowing secrets of space travel, *A Galaxy of Her Own* is guaranteed to make any reader reach for the stars.

Two Pilots and Their Historic Battle for Female Spaceflight

What Is NASA?

Galaxy Girls

LEGO Women of NASA Space Heroes

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## The Apollo Murders

### Women in Art

From New York Times bestselling author and astronaut Chris Hadfield comes this exceptional thriller and "exciting journey" into the dark heart of the Cold War and the space race (Andy Weir, author of *The Martian* and *Project Hail Mary*). 1973: a final, top-secret mission to the Moon. Three astronauts in a tiny spaceship, a quarter million miles from home. A quarter million miles from help. NASA is about to launch Apollo 18. While the mission has been billed as a scientific one, flight controller Kazimieras "Kaz" Zemeckis knows there is a darker objective. Intelligence has discovered a secret Soviet space station spying on America, and Apollo 18 may be the only chance to stop it. But even as Kaz races to keep the NASA crew one step ahead of their Russian rivals, a deadly accident reveals that not everyone involved is quite who they were thought to be. With political stakes stretched to the breaking point, the White House and the Kremlin can only watch as their astronauts collide on the lunar surface, far beyond the reach of law or rescue. Full of the fascinating technical detail that fans of *The Martian* loved, and reminiscent of the thrilling claustrophobia, twists, and tension of *The Hunt for Red October*, *The Apollo Murders* is a high-stakes thriller unlike any other. Chris Hadfield captures the fierce G-forces of launch, the frozen loneliness of space, and the fear of holding on to the outside of a spacecraft orbiting the Earth at 17,000 miles per hour as only someone who has experienced all of these things in real life can. Strap in and count down for the ride of a lifetime. "Packed with cosmic action... Featuring undercover spies, scheming

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Russians and psychopathic murderers, sometimes all at once, it teems with authoritative details." —The New York Times " Nail-biting . . . I couldn ' t put it down. " —James Cameron, writer and director of Avatar and Titanic " Not to be missed. " —Frederick Forsyth, author of The Day of the Jackal " An explosive thriller by a writer who has actually been to space . . . Strap in for the ride! " —Gregg Hurwitz, author of Orphan X

Complemented by engaging LEGO brick figures and models, a skill-building reader celebrates the lives and achievements of the brave women of the NASA space program.

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 women 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, LEGO Women of NASA reading book celebrates achievements in science, technology, engineering and mathematics.

Why is Earth called the Blue Planet? Because there ' s so much water on the surface that the planet looks blue from outer space! Marine biology is the study of the plant and animal life in salt water environments, from microscopic plankton to the largest animal on earth, the

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blue whale. In *Marine Biology: Cool Women Who Dive* readers ages 9 to 12 explore the careers of three women who work within the science of marine biology—Natalie Arnoldi, Ashanti Johnson, and Lauren Mullineaux. Nomad Press books in the *Girls in Science* series supply a bridge between girls' interests and their potential futures by investigating science careers and introducing women who have succeeded in science. Compelling stories of real-life scientists provide readers with role models that they can look toward for examples of success. *Marine Biology* uses engaging content, links to primary sources, and essential questions to whet kids' appetites for further exploration and study. This book explores the history of marine biology, the women who made key discoveries, and the multitude of varied careers in this exciting and important field. *Marine Biology* encourages both boys and girls to envision what lies beneath the miles of water that make up our planet.

DK Readers L1 LEGO® Star Wars Secrets of the Dark Side

50 Amazing Stories of Women in Space

NASA

A Galaxy of Her Own

Mae Carol Jemison

Space Heroes (LEGO Women of NASA)

From the creation of the Manned Spacecraft Center to the launching of the International Space Station and beyond, *Making Space for Women* explores how careers for women at Johnson Space Center have changed over the past fifty years as the workforce became more diverse and

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fields once closed to women--the astronaut corps and flight control--began to open. Jennifer M. Ross-Nazzari has selected twenty-one interviews conducted for the NASA Oral History Projects, including those with astronauts, mathematicians, engineers, secretaries, scientists, trainers, managers, and more. The women featured not only discuss leadership, teamwork, and the experiences of being "the first," but reveal how the role of the working woman in a predominantly white, male, technical agency has evolved. The narratives highlight the societal and cultural changes these women witnessed and the lessons they learned as they pursued different career paths. Among those included are Joan E. Higginbotham, mission specialist aboard the Space Shuttle Discovery; Natalie V. Saiz, first female director of the Human Resource Office; Kathryn Sullivan, the first American woman to walk in space; Estrella Hernández Gillette, the deputy director of the center's External Relations Office; and Carolyn Huntoon, the first woman director of the Johnson Space Center. Making Space for Women offers a unique view of the history of human spaceflight while also providing a broader understanding of changes in American culture, society,

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industry, and life for women in the space program. The women featured in this book demonstrate that there are no boundaries or limits to a career at NASA for those who choose to seize the opportunity. The first astronauts in space only stayed for brief periods of time. But now, NASA scientists have developed technologies that allow astronauts to live in space long term. Learn about the challenges that astronauts face living in zero gravity and cramped quarters with this fascinating Informational Text created in collaboration with the Smithsonian Institution! Build reading skills while engaging students' curiosity about STEAM topics through real-world examples. Packed with factoids and informative sidebars, this book features a hands-on STEAM challenge that is perfect for use in a makerspace and teaches students every step of the engineering design process. Make STEAM career connections with career advice from actual Smithsonian employees working in STEAM fields. Discover engineering innovations that solve real-world problems with content that touches on all aspects of STEAM: Science, Technology, Engineering, the Arts, and Math!

"What do people do at NASA (and in

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outerspace)? 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 reaserch"-- Provided by publisher. 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 psychophysicologists—are pushing the boundaries of human knowledge, helping us to understand the universe and our place in it. Galaxy Girls celebrates more than

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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.

23 Stories of First Flights, Scientific Missions, and Gravity-Breaking Adventures  
DK Readers L1: LEGO® Women of NASA: Space Heroes

The First Moon Landing

Moments From My Life

LEGO Space

DK Readers L1

Writers use their imaginations to create vivid works that stand the test of time. *Women in Literature* introduces readers to

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some of the most influential authors, including J. K. Rowling, Maya Angelou, and Kate DiCamillo. Easy-to-read text, vivid images, and helpful back matter give readers a clear look at this subject. Features include a table of contents, infographics, a glossary, additional resources, and an index. Aligned to Common Core Standards and correlated to state standards. Core Library is an imprint of Abdo Publishing, a division of ABDO.

Lego astronauts board the space shuttle and set to work exploring space.

Years before millions of Americans tuned in to watch her historic space flight aboard the Challenger in 1983, Sally Ride stayed up late to watch Neil Armstrong become the first person to walk on the moon. The next morning, she woke up to win her first round singles match at a national junior tennis tournament. Sally Ride: A Photobiography of America's Pioneering Woman Astronaut, is an intimate journey from her formative years to her final moments. Before she was an astronaut, Sally was a competitive tennis player who excelled at the game to such an extent that Billie Jean King told her she could play on the pro circuit. Before she earned a Ph.D. in physics, she was called an underachiever by her high school classmates. After her first historic space flight—she took a second in 1984—Sally continued to break ground as an inspirational advocate for space exploration, public policy, and science education, who

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fought gender stereotypes and opened doors for girls and women in all fields during the second half of the twentieth century. This vivid photobiography, written by Sally's life, writing, and business partner, Tam O'Shaughnessy, offers an intimate and revealing glimpse into the life and mind of the famously private, book-loving, tennis-playing physicist who made history.

Little Leaders meets Good Night Stories for Rebel Girls in this gorgeous nonfiction picture book that introduces readers to nineteen powerhouse Muslim women who rose up and made their voices heard. Long ago, Muslim women rode into battle to defend their dreams. They opened doors to the world's oldest library. They ruled, started movements, and spread knowledge. Today, Muslim women continue to make history. Once upon a time, they were children with dreams, just like you. Discover the true stories of nineteen unstoppable Muslim women of the twenty-first century who have risen above challenges, doubts, and sometimes outright hostility to blaze trails in a wide range of fields. Whether it was the culinary arts, fashion, sports, government, science, entertainment, education, or activism, these women never took "no" for an answer or allowed themselves to be silenced. Instead, they worked to rise above and not only achieve their dreams, but become influential leaders. Through short, information-rich biographies and vibrant illustrations, Muslim

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Girls Rise introduces young readers to the diverse and important contributions Muslim women have made, and role models they may never have heard of before, but whose stories they will never forget.

Choose Your Own Career Adventure

Not Necessarily Rocket Science

Inspirational Champions of Our Time

Cool Women Who Dive

Chris Hadfield and the International Space Station

***Join Emmet, Lucy, Batman and Unikitty from The LEGO Movie 2 on their new adventures in this exciting book for children learning to read. Packed with images of The LEGO Movie 2 sets and minifigures, this book will get young fans hooked on reading.***

***DK Readers L1: LEGO® Women of NASA: Space Heroes National Geographic Books "Margaret Hamilton wrote the computer software that helped humans land on the moon. Learn about Hamilton's fascinating career, including her role in the moon landing."--***

***The life of trailblazing physicist Mildred Dresselhaus, who expanded our understanding of the physical world. As a girl in New York City in the 1940s,***

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*Mildred "Millie" Dresselhaus was taught that there were only three career options open to women: secretary, nurse, or teacher. But sneaking into museums, purchasing three-cent copies of National Geographic, and devouring books on the history of science ignited in Dresselhaus (1930–2017) a passion for inquiry. In Carbon Queen, science writer Maia Weinstock describes how, with curiosity and drive, Dresselhaus defied expectations and forged a career as a pioneering scientist and engineer. Dresselhaus made highly influential discoveries about the properties of carbon and other materials and helped reshape our world in countless ways—from electronics to aviation to medicine to energy. She was also a trailblazer for women in STEM and a beloved educator, mentor, and colleague. Her path wasn't easy. Dresselhaus's Bronx childhood was impoverished. Her graduate adviser felt educating women was a waste of time. But Dresselhaus persisted, finding mentors in Nobel Prize-winning physicists Rosalyn Yalow and Enrico Fermi. Eventually, Dresselhaus became*

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*one of the first female professors at MIT, where she would spend nearly six decades. Weinstock explores the basics of Dresselhaus's work in carbon nanoscience accessibly and engagingly, describing how she identified key properties of carbon forms, including graphite, buckyballs, nanotubes, and graphene, leading to applications that range from lighter, stronger aircraft to more energy-efficient and flexible electronics.*

*Space Heroes*

*The Remarkable Life of Nanoscience*

*Pioneer Mildred Dresselhaus*

*DK Readers L2: LEGO City: Heroes to the Rescue*

*Hidden Human Computers: The Black Women of NASA*

*Find Where The Wind Goes*

*LEGO Minifigure Handbook*

Meet the coolest LEGO® Minifigures ever! The strange, the spooky, and the silly - all of your favourite LEGO® minifigures are here. Go back in time with retro minifigures from the LEGO archives. Meet new characters from fun LEGO themes, including LEGO® NINJAGO®, LEGO® City, and LEGO® Collectible Minifigures. Your e-guide to more than 300 awesome minifigures! ©2020 The LEGO

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Group.

A rich visual history of real and fictional space stations, illustrating pop culture's influence on the development of actual space stations and vice versa. Space stations represent both the summit of space technology and, possibly, the future of humanity beyond Earth. *Space Stations: The Art, Science, and Reality of Working in Space* takes the reader deep into the heart of past, present, and future space stations, both real ones and those dreamed up in popular culture. This lavishly illustrated book explains the development of space stations from the earliest fictional visions through historical and current programs--including Skylab, Mir, and the International Space Station--and on to the dawning possibilities of large-scale space colonization. Engrossing narrative and striking images explore not only the spacecraft themselves but also how humans experience life aboard them, addressing everything from the development of efficient meal preparation methods to experiments in space-based botany. The book examines cutting-edge developments in government and commercial space stations, including NASA's Deep Space Habitats, the Russian Orbital Technologies Commercial Space Station, and China's Tiangong program. Throughout, *Space Stations* also charts the fascinating depiction of space stations in popular culture, whether in the form of children's toys, comic-book spacecraft, settings in

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science-fiction novels, or the backdrop to TV series and Hollywood movies. Space Stations is a beautiful and captivating history of the idea and the reality of the space station from the nineteenth century to the present day.

Margaret and the Moon

Hidden Heroes: The Human Computers of NASA