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Bridges: An Introduction To Ten Great Bridges And Their Designers

Building the Brooklyn Bridge reminds us of the historic importance of this iconic bridge that was once considered the eighth wonder of the world. It opened up development across the East River and made travel between the two independent cities of Brooklyn and New York quicker and more reliable; especially once the bridge railway was fully operational in September

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1883, four months after the bridge's opening. Historian Jeffrey Richman describes in engaging detail how the Brooklyn Bridge was built over fourteen years and clearly explains the function of each of its parts, from the anchorages to the massive cables. The story of the construction is also told through 255 remarkable images, many never before published, including 44 images in 3D, specially created for this book. These historic photographs, woodcuts, color lithographs, and engineering drawings take us back in time to when all of America, and much of the world,

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watched with excitement as a singular bridge of unprecedented size and technology was built over one of the busiest waterways in the world. The book illuminates long-forgotten details and presents the bridge as the engineering marvel that it is—one that still elicits awe and admiration. This is an incredible journey back in time to when all of America—and much of the world—excitedly watched as the Brooklyn Bridge was being built. Reading the book will be a real treat to anyone who has ever stepped onto this beloved icon and been moved by its majesty. A pair

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of 3D glasses is included with every copy of the book. With an introduction by the architectural critic Hugh Pearman, this reference analyzes 30 bridges around the world that display the most cutting-edge architectural and engineering trends in late 20th-century bridge construction. Each bridge is displayed in full, lavish color, while the accompanying text, drawings, and details demonstrate how the bridge is constructed and what innovative design and engineering features it incorporates. Projects range from the 5,328-foot Great Belt Link in Denmark to the

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covered-tube walkway designed for the Plashet Grove School in East London, from the Charles River Mainline Bridge in Boston, Massachusetts, to the Roosevelt Lake Bridge in Phoenix, Arizona. Plus, readers will find dozens of other projects by such internationally renowned architects and engineers as Jürg Conzett, Future Systems, T. Y. Lin, I. M. Pei, Modjeski and Masters, WilkinsonEyre Architects, and many others.

A historical look at styles of technological research and design. If it is true, as Tocqueville suggested, that social and class

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systems shape technology, research, and knowledge, then the effects should be visible both at the individual level and at the level of technical institutions and local environments. That is the central issue addressed in *Constructing a Bridge*, a tale of two cultures that investigates how national traditions shape technological communities and their institutions and become embedded in everyday engineering practice. Eda Kranakis first examines these issues in the work of two suspension bridge designers of the early nineteenth century: the

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American inventor James Finley and the French engineer Claude-Louis-Marie-Henri Navier. Finley--who was oriented toward the needs of rural, frontier communities--designed a bridge that could be easily reproduced and constructed by carpenters and blacksmiths. Navier--whose professional training and career reflected a tradition of monumental architecture and had linked him closely to the Parisian scientific community--designed an elegant, costly, and technically sophisticated structure to be built in an elite district of Paris. Charting the careers of

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these two technologists and tracing the stories of their bridges, Kranakis reveals how local environments can shape design goals, research practices, and design-to-construction processes. Kranakis then offers a broader look at the technological communities and institutions of nineteenth-century France and America and at their ties to technological practice. She shows how conditions that led to Finley's and Navier's distinct designs also fostered different systems of technical education as well as distinct ideologies and traditions of

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engineering research. The result of this two-tiered, comparative approach is a reorientation of a historiographic tradition initiated by Tocqueville (and explored more recently by Eugene Ferguson, John Kasson, and others) toward a finer-grained analysis of institutional and local environments as mediators between national traditions and individual styles of technological research and design.

"Always," wrote Philip Larkin, "it is by bridges that we live." Bridges represent our aspirations to connect, to soar across divides. And it is the

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unfinished business of these aspirations that makes bridges such stirring sights, especially when they are marvels of ingenuity. A rich compendium of myths, superstitions, literary and ideological figurations, as well as architectural and musical illustrations, *Of Bridges* organizes a poetic and philosophical history of bridges into nine thematic clusters. Leaping in lucid prose between seemingly unrelated times and places, Thomas Harrison gives a panoramic account of the diverse meanings and valences of human bridges, questioning why they are built and where they lead.

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He investigates bridges as flashpoints in war and the mega-bridges of our globalized world. He probes links forged by religion between life's transience and eternity and the consolidating ties of music, illustrated in a case study of the blues. He illuminates the real and symbolic crossings facing migrants each day and the affective connections that make persons and societies cohere. In fine and intricate readings of literature, philosophy, art, and geography, Harrison engages in a profound reflection on how bridges form and transform cultural

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Interdisciplinary and deeply lyrical, *Of Bridges* is a mesmerizing, vertiginous tale of bridges both visible and invisible, both lived and imagined.

How Do Bridges Not Fall Down?

Pittsburgh's Bridges

An Exploration of Engineering Culture, Design, and Research in Nineteenth-century France and America

An Introduction to Ten Great Bridges and Their Designers

The Bridge That Love Built

The Story of Emily Warren

Roebling and the Building of the Brooklyn Bridge

As many as 15,000

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covered bridges were built in North America over the past 200 years. Fewer than 1,000 remain. In America's Covered Bridges, authors Terry E. Miller and Ronald G. Knapp tell the fascinating story of these bridges, how they were built, the technological breakthroughs required to construct them and above all the dedication and skill of their builders. Each wooden bridge, whether still standing or long gone,

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has a story to tell about the nature of America at the time—not only about its transportational needs, but the availability of materials and the technological prowess of the people who built it. Illustrated with some 550 historical and contemporary photos, paintings, and technical drawings of nearly 400 different covered bridges, America's Covered Bridges offers five readable chapters on the history, design

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and fate of America's covered bridges, plus related bridges in Canada. Most of the contemporary photography is by master photographer A. Chester Ong of Hong Kong. 55 photo essays on the most iconic bridges including: Cornish-Windsor Bridge between Vermont and New Hampshire Porter-Parsonsfield Bridge, Maine East Paden and West Paden (Twin Bridges), Pennsylvania Philippi Bridge, West

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*Virginia Hortons Mill
Bridge, Alabama Medora
Bridge, Indiana Rock
Mill Bridge, Ohio
Knight's Ferry Bridge,
California Perrault
Bridge, Quebec, Canada
Hartland Bridge, New
Brunswick, Canada Over
time, wooden bridges
eventually gave way to
ones made of iron, steel
and concrete. An
American icon, many
covered bridges became
obsolete and were
replaced—others simply
decayed and collapsed.
Many more were swept*

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away by natural
disasters and fires.
America's Covered
Bridges is absolutely
packed with fascinating
stories and information
passionately told by two
leading experts on this
subject. The book will
be of tremendous
interest to anyone
interested in American
history, carpentry and
technological change.
Stirring text-and-
picture tribute to over
75 New York City bridges
— among them the
Brooklyn Bridge, Throgs

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Neck, Verrazano Narrows,
Whitestone, George
Washington, and other
splendid structures.

In this latest addition
to his popular Who Built
That? series, Didier
Cornille presents ten of
the most important
bridges in the world,
from the Brooklyn to the
Golden Gate; from the
first in cast iron to
the longest in concrete;
from small footbridges
to the tallest in the
world. Cornille
introduces each engineer
or architect and the

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main concepts of their work through charming step-by-step drawings and accessible text. Who Built That? Bridges is a fun primer for children of all ages interested in learning about these incredible structures and the engineering and design concepts behind each one.

Describes the construction of the Brooklyn Bridge, from its conception by John Roebling in 1852 through, after many setbacks, its final

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*completion under the
direction of his son,
Washington, in 1883.*

*Who Built That? Bridges
Sorrow Built a Bridge
Chief Engineer*

*The Day We Built the
Bridge*

*We Built the Bridge
Wild Buildings and
Bridges*

Sorrow Built a Bridge: Friendship and AIDS chronicles Daniel Berrigan's work with people with AIDS during the 1980s at St. Vincent's Hospital in New York City. For decades Berrigan protested war and nuclear weapons. Then in the early 1980s he also began to minister to

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those dying of cancer. When AIDS exploded in New York, he offered to accompany the dying at St. Vincent's, one of the first and best care facilities in the nation for people with AIDS. This account tells of the suffering of those with AIDS, an epidemic which now afflicts millions around the globe. It also shows a compassionate Christian response to such suffering. In the process, Berrigan once again teaches us how to make peace. "I list myself among the many admirers of Father Daniel Berrigan. His writings are always poetic and inspirational, his message ever timely and beneficial. Sorrow Built a Bridge is no exception. Father Dan has put a human face on AIDS, the

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malady which has reached epidemic proportions. He recounts here his own personal journey and ministry with fourteen specific persons for whom 'death was given a royal welcome.' He does not dwell on the causes of AIDS nor does he pass judgment on its victims doomed to 'atrocious suffering.' Father Dan gives meaning to his own experience by choosing and reflecting on selected scripture passages. He also connects his encounters with the deaths of those who were once 'young and vigorous' with his own peacemaking. In both cases, 'dreams turn into nightmares,' 'old hatreds don new fatigues' and 'immunity systems break down both in a person and in a

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nation." This book is a special gift to those committed to

compassionate care for persons with AIDS." Bishop Walter F. Sullivan (from the Foreword)

A detailed account of the construction of the Brooklyn Bridge providing background on its engineering history as well as the political and social climate of the late-nineteenth century.

Reissue. 10,000 first printing.

The surprising ways nature has influenced architecture. It may come as a surprise to learn that architects have found solutions to all kinds of design challenges in nature! Some have looked to nature to solve a structural problem, like creating an earthquake-proof bridge by mimicking the extremely long

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roots of a special type of grass. Others have turned to nature for artistic inspiration, designing buildings and bridges that evoke the movement of swimming fish or a bird in flight. When it comes to style and structure, nature and architecture make perfect partners! From cactuses to birds' wings, termite towers to honeycombs, inspiration for ingenious design is everywhere around us!

This title discusses how bridges are built, including engineering, design and construction.

Here To There and Me To You
How Did They Build That? Bridge

A Wonders of the World Book
The Brooklyn Bridge
The San Francisco-Oakland Bay

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Bridges of 1936 and 2013
Pittsburgh is the “City of Bridges,” and what remarkable bridges they are! The area’s challenging topography of deep ravines and mighty rivers—the Monongahela, Allegheny, and Ohio—set the stage for engineers, architects, and contractors to conquer the terrain with a variety of distinctive spans. Many were designed to be beautiful as well as functional. While other cities may have one signature bridge, Pittsburgh has such a wide variety that no single bridge can represent it. Pittsburgh’s Bridges takes a comprehensive

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look at the design, construction, and, sometimes, demolition of the bridges that shaped Pittsburgh, ranging from the covered bridges of yesterday to those that define the skyline today.

Have you ever wondered how bridges don't fall down or how really old buildings stay standing up? In the How Do series, readers are welcome to guess along with the rest of us--and then explore the science behind the right answers. Basic principles of architecture and engineering, including an introduction to bridges, locks, arches, columns,

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and skyscrapers are explored through diagrams, photos, and informative and engaging text. Audisee® eBooks with Audio combine professional narration and text highlighting for an engaging read aloud experience! The Golden Gate Bridge is an important structure in San Francisco, California. Before this bridge was built, people had to take a ferry across the dangerous stretch of water to get to Marin County. Now they simply drive across. Just how long is the Golden Gate Bridge? And how did workers build this orange structure? Read this book to find out!

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Learn about many remarkable sites in the Famous Places series - part of the Lightning Bolt Books™ collection. With high-energy designs, exciting photos, and fun text, Lightning Bolt Books™ bring nonfiction topics to life.

Chicago River Bridges presents the untold history and development of Chicago's iconic bridges, from the first wood footbridge built by a tavern owner in 1832 to the fantastic marvels of steel, concrete, and machinery of today. It is the story of Chicago as seen through its bridges, for it has been the bridges that proved

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critical in connecting and reconnecting the people, industry, and neighborhoods of a city that is constantly remaking itself. In this book, author Patrick T. McBriarty shows how generations of Chicagoans built (and rebuilt) the thriving city trisected by the Chicago River and linked by its many crossings. This comprehensive guidebook chronicles more than 175 bridges spanning 55 locations along the Main Channel, South Branch, and North Branch of the Chicago River. With new full-color photography of existing bridges and more than one

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hundred black and white images of bridges past, the book unearths the rich history of Chicago's downtown bridges from the Michigan Avenue Bridge to the often forgotten bridges that once connected thoroughfares such as Rush, Erie, Taylor, and Polk Streets. Throughout, McBriarty delivers new research into the bridges' architectural designs, engineering innovations, and their impact on Chicagoans' daily lives, explaining how the dominance of the "Chicago-style" bascule drawbridge influenced the style and mechanics of bridges

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worldwide. Interspersed throughout are the human dramas that played out on and around the bridges, such as the floods of 1849 and 1992, the cattle crossing collapse of the Rush Street Bridge, or Vincent "The Schemer" Drucci's Michigan Avenue Bridge jump. A confluence of Chicago history, urban design, and engineering lore, *Chicago River Bridges* illustrates Chicago's significant contribution to drawbridge innovation and the city's emergence as the drawbridge capital of the world.

The Woman Who Built A Bridge
The Bridges of New York

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Conveniences Sorely Needed
Montana's Historic Highway
Bridges, 1860-1956

America's Covered Bridges
Engineers of Dreams

The amazing story of Emily Warren Roebling, the woman who stepped in to oversee the construction of the Brooklyn Bridge, which was completed in 1883. Emily was not an engineer, but she was educated in math and science. She married Washington Roebling, the chief engineer of the famous bridge. When Washington became ill from decompression sickness, Emily stepped in, doing everything from keeping the books, to carrying messages for her husband, to monitoring the construction of

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the bridge. She was the first person to cross the Brooklyn Bridge when it opened. Emily, who went on to study law among many other accomplishments, is an inspiration to all, as demonstrated through Frieda Wishinsky's informative and engaging text and Natalie Nelson's distinctive collage illustrations. Speech bubbles revealing imagined dialogue add a playful note to this historical account, which includes fascinating facts about the Brooklyn Bridge and a further reading list. Key Text Features further reading speech bubbles Correlates to the Common Core State Standards in English Language Arts: CCSS.ELA-LITERACY.RL.2.1 Ask and answer

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such questions as who, what, where, when, why, and how to demonstrate understanding of key details in a text. CCSS.ELA-LITERACY.RL.4.3 Describe in depth a character, setting, or event in a story or drama, drawing on specific details in the text (e.g., a character's thoughts, words, or actions).

"A welcome tribute to the persistence, precision and humanity of Washington Roebling and a love-song for the mighty New York bridge he built." -The Wall Street Journal Chief Engineer is the first full biography of a crucial figure in the American story-Washington Roebling, builder of the Brooklyn Bridge. One of America's most iconic and recognizable

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structures, the Brooklyn Bridge is as much a part of New York as the Statue of Liberty or the Empire State Building. Yet its distinguished builder is too often forgotten-and his life is of interest far beyond his chosen field. It is the story of immigrants, the frontier, the Civil War, the making of the modern world, and a man whose long life modeled courage in the face of extraordinary adversity. Chief Engineer is enriched by Roebling's own eloquent voice, unveiled in his recently discovered memoir, previously thought lost to history. The memoir reveals that his father John-a renowned engineer who made his life in America after humble beginnings in Germany-

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***was a tyrannical presence in
Roebling's life. It also documents
Roebling's time as a young man
in the Union Army, when he built
bridges that carried soldiers
across rivers and saw action in
pivotal battles from Antietam to
Gettysburg. Safely returned, he
married the remarkable Emily
Warren Roebling, who would play
a crucial role in the construction
of the Brooklyn Bridge,
Roebling's grandest achievement-
but by no means the only one.
Elegantly written with a
compelling narrative sweep, Chief
Engineer introduces Washington
Roebling and his era to a new
generation of readers.
Serendipity happens when
people, places, time and events
intersect and something***

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inexplicably good emerges.

Serendipity intrigues, as it brings good fortune. Those who embrace it are often considered idealistic and wishful, or even wacky. In We Built the Bridge, author Grace Fala makes serendipity real.

Magical stories often stay within the parameters of acceptable norms. They generally involve children and parents--typically, individuals who identify and relate as man and woman. But this fairytale doesn't follow the mainstream. This serendipitous story graced two unlikely singletons--two whimsical and, according to customs, maverick women. While searching for an affordable home in a suburban area, something unbelievable threw them off course. A strange

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energy gripped and carried them toward a house charmed with magnetic forces, as if calling their names. Fala reflects on how two women from Philadelphia who love one another now make their home in a farming valley among the Amish. Praise for We Built the Bridge A delightful, passionate, playful, and significant story, not just for those who live in or visit Pennsylvania's Amish country, but for us all. --Virginia Ramey Mollenkott, PhD, Author, Omnigender, Sensuous Spirituality, and other books Who Built That? Bridges An Introduction to Ten Great Bridges and Their Designers Princeton Architectural Press

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Building Big Bridges

***A History of the World's Most
Spectacular Spans***

How Emily Saved the Bridge

***13 Bridges Children Should Know
Pop's Bridge***

***Building the Brooklyn Bridge,
1869-1883: An Illustrated
History, with Images in 3D***

"Learn all about some of the world's most incredible bridges, from how they are designed and built to how bridge technology has changed over time."--

Petroski reveals the science and engineering--not to mention the politics, egotism, and sheer magic--behind America's great bridges, particularly those constructed during the great

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bridge-building era starting in the 1870s and continuing through the 1930s. It is the story of the men and women who built the St. Louis, the George Washington, and the Golden Gate bridges, drawing not only on their mastery of numbers but on their gifts for persuasion and self-promotion. It is an account of triumphs and ignominious disasters (including the Tacoma Narrows Bridge, which literally twisted itself apart in a high wind). And throughout this grandly engaging book, Petroski lets us see how bridges became the "symbols and souls" of our

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civilization, as well as testaments to their builders' vision, ingenuity, and perseverance.

"Seamlessly linked...With astonishing scope and generosity of view, Mr. Petroski places the tradition of American bridge-building in perspective."--New York Times Book Review

A Tale of Two Bridges is a history of two versions of the San Francisco—Oakland Bay Bridge: the original bridge built in 1936 and a replacement for the eastern half of the bridge finished in 2013. The 1936 bridge revolutionized transportation in the Bay Area

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and profoundly influenced settlement patterns in the region. It was also a remarkable feat of engineering. In the 1950s the American Society of Civil Engineers adopted a list of the “ Seven Engineering Wonders ” of the United States. The 1936 structure was the only bridge on the list, besting even the more famous Golden Gate Bridge. One of its greatest achievements was that it was built on time (in less than three years) and came in under budget. Mikesell explores in fascinating detail how the bridge was designed by a collection of the best-known engineers in the country as well

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as the heroic story of its construction by largely unskilled laborers from California, joined by highly skilled steel workers. By contrast, the East Span replacement, which was planned between 1989 and 1998, and built between 1998 and 2013, fell victim to cost overruns in the billions of dollars, was a decade behind schedule, and suffered from structural problems that has made it a perpetual maintenance nightmare. This is narrative history in its purest form. Mikesell excels at explaining highly technical engineering issues in language that can be understood and

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appreciated by general readers.

Here is the story of two very important bridges, which provides a fair but uncompromising analysis of why one bridge succeeded and the other did not.

Shay Billings is pleasantly surprised at discovering a new bridge over the river, as it cuts several miles from his trip into town. Ambushed and left for dead, he has even more cause to be grateful when the bridge-builder saves his life. Shay's savior turns out to be a mysterious young woman with extraordinary skills. More importantly, she's a strong ally

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when he and a few other men are forced to defend themselves and their ranches against a power hungry rich man. Marvin Hammel seems determined to own everything in their small valley, his intention to gobble up not only their homes and their livelihoods, but the water that flows through the land. January Schutt just wants to be left alone to hide her scars. She's rebuilt the bridge that crosses the river onto her property, and lives like a hermit in a rundown old barn. All that changes when she takes in a wounded Shay Billings. Now she's placed in the middle of a war over water rights. But has

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she picked the winning side?

Friendship and AIDS

Washington Roebling, The Man

Who Built the Brooklyn Bridge

Ruby Bridges

Great Bridge Builders and the

Spanning of America

The Unofficial Guide to Building

Bridges in Minecraft

A Glance at the Victoria Bridge,

and the Men who Built it ...

There are moments in history that connect us and define a country.

In our hearts and minds, some moments rely on us to hold onto a dream, face tough challenges, and put in a great deal of effort. Big dreams can take generations. It can also take six million hand

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driven rivets and 53,000 tonnes of steel. The Day We Built the Bridge celebrates our connection with one another, and declares that despite the greatest of challenges, together we can make history.

For the fiftieth anniversary of the completion of the Verrazano Narrows Bridge, a beautifully produced, heavily illustrated edition of Gay Talese's classic history of the iconic structure, now with a new introduction by the author. The Verrazano Narrows Bridge, linking the New York City boroughs of Brooklyn and Staten Island, is an engineering marvel. At 13,700 feet, it is the longest suspension

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bridge in the United States and the sixth longest in the world. But the sheer size of the bridge is only one part of its complicated, fascinating history. Renowned journalist Gay Talese chronicled the human drama the bridge's completion: from the construction workers high on the beams to the backroom dealing that displaced whole neighborhoods to make way for the bridge, through to the opening of this marvel of human ingenuity and engineering. Now in a new, beautifully packaged edition featuring dozens of breathtaking photos and architectural drawings, The Bridge remains both a riveting

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narrative of politics and courage and a demonstration of Talese's consummate reporting and storytelling that will captivate new generations of readers.

People have been building bridges for centuries. Many bridges allow people to cross rivers and ravines. Others were constructed to bring water from distant mountains to city centers. Today, people recognize beautiful bridges from all over the world, such as the Golden Gate Bridge in San Francisco. These bridges can be reproduced in Minecraft. This volume helps young readers understand essential engineering concepts. Readers are encouraged

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to experiment with coding and creating mods in Minecraft.

Stunning cutaway images and Minecraft illustrations allow readers to bring their own bridges into the game.

The Golden Gate Bridge. The impossible bridge, some call it. They say it can't be built. But Robert's father is building it. He's a skywalker--a brave, high-climbing ironworker. Robert is convinced his pop has the most important job on the crew . . . until a frightening event makes him see that it takes an entire team to accomplish the impossible. When it was completed in 1937, San

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Francisco's Golden Gate Bridge
was hailed as an international
marvel. Eve Bunting's riveting
story salutes the ingenuity and
courage of every person who
helped raise this majestic
American icon. Includes an
author's note about the
construction of the Golden Gate
Bridge.

Architecture Inspired by Nature
A Book of Bridges

The Bridge

Of Bridges

**The Building of the Verrazano-
Narrows Bridge**

**Engineering Marvels: Bridges
Around the World:**

Understanding Fractions

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What would we do without bridges? They allow us to cross over great heights and dangerous waters that would be inaccessible without bridges. But some bridges are more than a link between two places. From New York to Singapore, the stories of these bridges celebrate the engineers, architects, and the workers who built them. Learn about the world's famous bridges while learning fractions. This nonfiction book combines math and literacy skills and uses everyday examples of problem solving to teach subject area content. The full-color images, math charts and diagrams,

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sidebars, and practice problems make learning math easy and fun. Text features include a table of contents, glossary, and index to increase understanding of math and reading concepts. An in-depth problem-solving section provides additional learning opportunities while challenging students' higher-order thinking skills.

Get to know the life and legacy of Ruby Bridges. Vivid photographs and easy-to-read text give early readers an engaging and age-appropriate look at her brave role in ending segregation during the Civil Rights Movement. Features

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include sidebars, a table of contents, two infographics, Making Connections questions, a glossary, and an index. QR Codes in the book give readers access to book-specific resources to further their learning. Aligned to Common Core Standards and correlated to state standards. DiscoverRoo is an imprint of Pop!, a division of ABDO.

Engineers design bridges to help solve the challenges of barriers that block the movement of people. Young readers will learn about the steps in the engineering design process and see how different types of

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bridges suit different types of obstacles. They will also discover what materials are used in construction to make bridges stable. A link to interactive activities online plus an activity in the book allow readers to create bridges that stand up to the forces of extreme weather and natural disasters.

Old bridges do more than just span rivers. They provide an important historical connection between the hopes and dreams of the people who built them and those who continue to benefit from their use today. Many of Montana's historic highway bridges are symbols of the

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cooperative spirit that led to economic and social stability throughout the Big Sky Country for over a century. Other bridges, such as those built during the Great Depression, are physical reminders of significant periods in American history and tell stories about the breadth of Montana's transportation past. In addition, these bridges reflect both the best and worst in engineering techniques and serve as testaments to the science of practical bridge design, ranging from the aesthetically delightful Fort Benton Bridge to the more mundane Fred Robinson Bridge

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in the Missouri Breaks country. In the modern era, where many people seem to be in a hurry to get where they're going as fast as possible, old bridges can be obsolete nuisances that need to make way for modern conveyances. There is, however, a growing group of preservationists who see them as symbols of an earlier time that are worthy of saving. Today, Montana's historic bridges are a visible, rarely appreciated, and fast disappearing part of the state's historic landscape. Yet the stories they tell about Montana's complicated social history are important to

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understanding the dynamics of
Montana's development in the
nineteenth and twentieth
centuries and reflect the
optimism many people had, and
have, for the state's future.

The Golden Gate Bridge

The Great Bridge

Practical Crossings?Nostalgic
Icons

Letting God Fill the Gaps in Your
Adoption Story

Bridges

A Bridge Goes Over

***People have always wanted
to move from one place to
another, so they have built
bridges. Some bridges are
natural and some are built***

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by people. What are bridges built over? Have you crossed a bridge today? What did it go over? How are bridges built?

The most recent addition to Prestel's acclaimed series, which introduces children to important works of art and architecture, offers a fascinating look at bridges that span the centuries as well as the globe. The bridges profiled in this engaging book for young readers have achieved legendary status. Filled with photographs, plans, drawings, and informative

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texts it explores the fascinating history, construction, design, and significance of 13 renowned structures in a manner that will appeal to children hungry for information. In double-page spreads that highlight important as well as little-known facts, they will learn about the building of the Millau Viaduct, the tallest bridge in the world; how the Golden Gate bridge lives up to its evocative name; the haunting history of Venice's 16th-century Bridge of Sighs, and the ingenious construction

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methods devised by the builders of the Brooklyn Bridge. Vibrantly designed to encourage children to linger and explore the subject further, this book will appeal to curious minds, and inspire its young readers to dream and build on their own.

Bridges are some of the most fascinating structures in our landscape, and they come in all forms. From towering suspension bridges to humble stone crossings, this book visits them all in sweet, bouncing text with expository sidebars. But

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while bridges can be quite grand, this reminds us that their main purpose is bringing people together. This is perfect for budding architects, as well as readers who can relate to having loved ones who live far away.

Bridges are a big part of how people get from place to place. But how do they work and how are they built? In this engaging text, readers will explore these important engineering marvels that link places divided by water. Along the way they will learn how to

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***build their own model bridge
with a step-by-step guide
accompanied by full-color
photographs of each step.
Accessible text illuminates
the science behind every
span we drive over—and
sometimes under!***

***Secret Engineer: How Emily
Roebling Built the Brooklyn
Bridge***

***A Poetic and Philosophical
Account***

Chicago River Bridges

***The Epic Story of the
Building of the Brooklyn
Bridge***

***A Tale of Two Bridges
How a Bridge Is Built***

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On a warm spring day in 1883, a woman rode across the Brooklyn Bridge with a rooster on her lap. It was the first trip across an engineering marvel that had taken nearly fourteen years to construct. The woman's husband was the chief engineer, and he knew all about the dangerous new technique involved. The woman insisted she learn as well. When he fell ill mid-construction, her knowledge came in handy. She supervised every aspect of the project while he was bedridden, and she continued to learn about things only men were supposed to know: math, science, engineering. Women weren't supposed to be engineers. But this woman insisted she could do it all, and her hard work helped to

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create one of the most iconic landmarks in the world. This is the story of Emily Roebling, the secret engineer behind the Brooklyn Bridge, from author-illustrator Rachel Dougherty. From New York Times best-selling author Judith Dupréomes a revised and updated edition of Bridges, her magnificent chronological tour of the world's most significant and eye-popping spans. Covering thousands of years of architectural history, each bridge is gorgeously photographed "elevating the landmarks from mode of transportation to works of art" (Bustle). Technological advances, structural daring, and artistic vision have propelled the evolution of bridge design around

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the world. This visual history of the world's landmark bridges has been thoroughly revised and updated since its initial publication twenty-five years ago, and now showcases well-known classics as well as modern innovators. Bridges featured include: The Brooklyn Bridge (New York) Dany and-Kunshan Grand Bridge (China) Gateshead Millennium Bridge (England) The Golden Gate Bridge (San Francisco) Zakim Bridge (Boston) Including all-new photographs and the latest cutting edgework from today's international superstars of architecture and engineering, Bridges covers two-thousand years of technological and aesthetic triumphs, making it the most thorough, authoritative,

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and gorgeous book on the subject-
as dramatic in presentation as the
structures it celebrates.

Breathtaking photographs
capture the bridges' details as
well as their monumental scale;
architectural drawings and plans
invite you behind the scenes as
new bridges take shape; and
lively commentary on each
structure explores its importance
and places it in historical context.
Throughout, informative profiles,
features, and statistics make
Bridges an invaluable reference
as well as a visual feast.

Constructing a Bridge
30 Bridges