

ROCK AND GEM

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Rock and Gem - Ronald Bonewitz 2008-02-04

Explore the treasures of the Earth - sparkling crystals, vibrant gemstones, and age-old fossils - with this illustrated guide that's sure to captivate every rockhound and budding gemologist. From primeval origins to their astonishing modern-day uses and appeal, this is the ultimate portrait of Earth's geological riches - rocks, minerals, crystals, and gems. Also included is a focussed look at other precious materials often prized for their beauty, such as amber, coral, ivory, and fossils. Learn how to identify more than 450 rock and mineral specimens through stunning photographs and detailed characteristics. Discover more about rocks and minerals through folklore and historical artifacts, and find out the fascinating stories behind the world's natural treasures, including the Hope diamond and the Great Mogul emerald. Practical advice on cutting, polishing, and displaying your finds further equips you with all the knowledge needed to delve into the world of rock and mineral collecting. Rock and Gem were produced in association with the Smithsonian Institution in Washington DC, the world's largest museum complex, ensuring the guide's accuracy.

Rocks, Minerals & Gems - Miranda Smith 2016

This book contains a collection of colorful examples of rocks, minerals, and gems, all clearly identified with color photographs. It includes unusual facts and essential data panels that give geological information and uses.

Basher Science: Rocks and Minerals - Dan Green 2009-09-29

Introduces rocks and minerals, including how rocks are formed, meteorites crash to Earth, and plants and animals are fossilized.

Discovery: Rocks and Gems - Brenda Scott Royce 2021-09-28

"Discover some of the world's most amazing rocks and gems in this detailed reference book with stunning photos, interesting facts, and more! Learn all about how various rocks and gems are formed and their uses, then use the six rock and gem samples to get your own collection started! Features a slide-out collector's tray and a helpful rock identification poster. From sparkling gemstones to molten lava, this introduction to the world of rocks and gems is a must-have for any future geologist."--

Gem Trails of Oregon - Garret Romaine 2008

Revised and expanded 2E of this very popular guide for Oregon rockhounds and collectors of rock, mineral and fossil specimens.

Maker Lab Light Up Agate Gem Collection - Editors of Klutz 2021-02

Get the stone-cold facts on rocks! Packed with 29 unique rocks, gems, and minerals, this is the perfect kit to start or expand a rock collection. Build a color-changing light-up display with an agate slice: use it as a lamp, or study the stones up close with the included magnifying glass. Learn fun facts about each rock in the fully colored 32-page book including 6 experiments and activities with easy-to-find ingredients from home. Need to Know: 32-page book with details on every rock included, plus 6 additional activities, promotes earth science and the study of

minerals. 29 unique rocks, gems, and minerals from rainbow-flecked crystal opal to metallic gold radial pyrite. Use the color changing display light to make a shining crystal agate slice lamp. 3AA batteries not included Comes with: Blue Agate Slice + 28 new rocks, materials to build a display light, magnify glass

Rock and Gem - Ra Bonewitz 2005

20 Fun Facts About Rocks and Gems - Theresa Morlock 2017-12-15

The glittering shapes of gems and crystals, the strange glowing of phosphorescent rocks, these objects mesmerize young audiences. This volume of fascinating and accessible factoids introduces young readers to strange rocks and gems like tourmaline, which comes in every color and has been mistaken for other gems for centuries. It also explains the essential science concept of rock and gem formation in easy, age-appropriate language. Fantastic photographs compliment each fun fact, and a detailed graphic organizer provides a convenient summary of some of the coolest gems and rocks Earth has to offer.

Little Learning Labs: Geology for Kids - Garret Romaine 2019-09-03

Dig in and learn about the Earth under your feet. Little Learning Labs: Geology for Kids features 26 simple, inexpensive, and fun experiments that explore the Earth's surface, structure, and processes. This family-friendly guide explores the wonders of geology, such as the formation of crystals and fossils, the layers of the Earth's crust, and how water shapes mountains, valleys, and canyons. There is no excuse for boredom with these captivating STEAM (Science, Technology, Engineering, Art & Math) activities. In this book, you will learn: How to identify the most common rocks and minerals How to maintain and display your rock collection How insects are trapped and preserved in amber How geysers and volcanoes form and erupt How layers of rock reveal a record of time How to pan for gold like a real prospector Geology is an exciting science that helps us understand the world we live in, and Little Learning Labs: Geology for Kids actively engages readers in simple, creative activities that reveal the larger world at work. The popular Little Learning Labs series (based on the larger format Lab for Kids series) features a growing list of books that share hands-on activities and projects on a wide host of topics, including art, astronomy, geology, math, and even bugs—all authored by established experts in their fields. Each lab contains a complete materials list, clear step-by-step photographs of the process, as well as finished samples. The activities are open-ended, designed to be explored over and over, often with different results. Geared toward being taught or guided by adults, they are enriching for a range of ages and skill levels. Gain firsthand knowledge on your favorite topic with Little Learning Labs.

Klutz Jr. : My First Rock and Gem Collection - Editors of Klutz 2020-01-10

Junior gemologists will "dig" learning about rocks and minerals with this beginner's collection. The kit includes 8 polished rock samples, such as turquoise, amethyst, rose quartz, lemon jade, and more PLUS a surprise rock that they will unearth in the dig kit. The field guide introduces

easy-to-follow STEM content, including fun facts and jokes. Then go exploring to find rocks from home that you can decorate with the included paint and googly eyes. Comes with: 8 polished rocks and gems, magnifying glass, gem dig kit, wooden chisel, wooden hammer, paintbrush, paint in 4 colors, 6 googly eyes.

Rocks, Gems, and Minerals of the Southwest - Garret Romaine 2023-05-15

Rocks, Gems, and Minerals of the Southwest is a field guide to more than 100 of the most common and sought-after rocks, gems, and minerals hidden throughout the Southwest. Conveniently sized to fit in your pocket and featuring full-color, detailed photographs, this informative guide makes it easy to identify rocks in your backyard and beyond. Also included is an introduction that covers fundamental geology information and interesting facts. This is the essential source when you're out in the field, both informative and beautiful to peruse.

Rocks, Gems and Minerals - Paul R. Shaffer 2014-02-25

This eBook is best viewed on a color device. This handy identification guide to the most common kinds of rocks and minerals offers concise and fascinating information on: - Physical and chemical properties - Origins and geologic significance - Gems and semiprecious stones - How to find and collect specimens Illustrated in full color throughout, Rocks, Gems and Minerals is a gem of a guide for rockhounds and mineral collectors!

Basher Science: Rocks and Minerals - Simon Basher 2010-12-07

Simon Basher is back with another zany primer to science! Following his 3 successful titles on the basics of chemistry, physics, and biology, BASHER SCIENCE: ROCKS AND MINERALS is an in-depth look at the ground beneath our feet. Like his other titles, Basher presents these topics through charming and adorable illustrations and pairs them with basic information told from a first person perspective. He develops a community of characters based on the things that form the foundations of our planet: rocks, gems, crystals, fossils and more. And what's more, he makes it understandable, interesting, and cute. It's not what you expect out of a science primer.

The Rock and Gem Book - DK 2016-05-17

Dig deep to discover our rocky planet, packed with natural wonders. Earth's extraordinary minerals, gems, shells, and fossils are all on a dazzling display in this essential visual encyclopedia for children. Feast your eyes on the ultimate treasure trove that any pirate would envy. More than 1,000 stunning photographs showcase rocks and gems in glorious detail, ensuring you can recognize sedimentary from sandstone, metamorphic from marble, and pyrite from pearl. The unique qualities of each eye-catching material are described in-depth, together with their broad range of uses in art, industry, architecture, and science. Keep your eyes open for rainbow rocks, fluorescent minerals, priceless diamonds, and meteor showers on your geological journey of discovery. Meet dinosaurs in the prehistoric period to understand how fossils form, join the pyramid builders of ancient Egypt to investigate the limestone bricks and take a dip in the ocean on the hunt for clams, cowries, and cockles. Treasure seekers, get set to start your own collection with The Rock and Gem Book.

Rock and Gem - Ra Bonewitz 2005

From glittering gemstones to fascinating minerals and fossils, this incredible reference book is a stunning celebration of the Earth's buried treasures. Specially commissioned photography captures the essence and beauty of over 450 superb specimens, while lively and informative text describes the characteristics of each and its unique and changing relationship to humankind through the ages. Organized by rock classes and chemical groups, each rock, mineral, and fossil entry contains a photograph of the specimen together with lively, wide-ranging text describing its qualities and history of use. In addition, a detailed, at-a-glance reference panel provides key data for identification and classification.

Klutz Maker Lab: Rocks, Gems and Geodes - * Klutz Editors 2019-08

The colourful rocks you explore with this kit will open up the world of earth science and geology! Kick-start your very own rock collection with the 36 stones. Then use the included crystal powder and mold to grow a geode formation. Collect rocks and conduct experiments, such as a

scratch test and float test, to discover their hidden properties. You'll even learn how to make your very own rock tumbler. Use the fact-filled book to keep exploring the world around you! Comes with: 36 rocks, display tray, crystal powder, geode mold, plaster, magnifying glass
Collecting Rocks, Gems and Minerals - Patti Polk 2010-04-15

Three Guides in One! Identification, Values, Lapidary Uses Designed with beginners in mind, yet filled with valuable technical information for advanced collectors, *Collecting Rocks, Gems and Minerals* takes you from being just someone who appreciates rocks to a true "collector." • Easy-to-use, quick reference format arranged by category and color of stone • Covers both lapidary and mineral display materials • Provides values and tips for locating, buying and collecting • Includes organics such as amber, bone, coral, pearl and shell • Lists chemical group, system, hardness, opacity, fracture, specific gravity and more • Contains more than 650 full-color photos • Foreword by Johann Zenz, world renowned agate expert, author and lecturer

The Encyclopedia of Rocks, Minerals, and Gemstones - Henry Russell 2001

A look at 294 different rocks, minerals, and gemstones. Each entry describes where the material is found, what it is made of, and how it is used.

Rocks, Gems, and Minerals of the Rocky Mountains - Garret Romaine 2020-05-01

Rocks, Gems, and Minerals of the Rocky Mountains is a field guide to more than 130 of the most common and sought-after rocks, gems, and minerals hidden throughout the Rocky Mountains. Conveniently sized to fit in your pocket and featuring full-color, detailed photographs, this informative guide makes it easy to identify rocks in your backyard and beyond. Also included is an introduction that covers fundamental geology information and interesting facts. This is the essential source when you're out in the field, both informative and beautiful to peruse.

Collecting Rocks, Gems and Minerals - Patti Polk 2016-05-04

A rockhound's must-have resource! Easy to use and lavishly illustrated, this new and completely revised and expanded edition of *Collecting Rocks, Gems, and Minerals* is designed with beginners in mind, yet filled with valuable technical information for seasoned collectors. This guide takes you from being simply someone who enjoys rocks to a knowledgeable enthusiast in no time and features: • An easy-to-use, quick reference format arranged by category and color of stone • 800+ beautiful color photographs • Values and tips for locating, buying and collecting • Both lapidary and mineral display materials • Decades of rock-collecting know-how of the author Foreword by Johann Zenz, world-renowned agate expert, author and lecturer.

The Rock and Gem Book - Clive Gifford 2016-05-02

The Rock and Gem Book is packed full of photos of natural wonders, including rocks, minerals, gems, shells and fossils. This children's encyclopedia displays more than 1,200 full-colour specimens, from sapphires and rubies to silver and pearl, revealing the unique qualities of each material and how it is used in industry, architecture, art and science. Including precious metals, rare fossils, tiny gemstones and giant shells, the Rock and Gem Book gives a complete overview of the Earth's naturally occurring marvels and the beautiful objects created from them.

The Rock and Gem Book - DK 2016-05-10

Packed with more than 1,200 incredible images you can discover the world's most precious and fascinating objects, from rocks and gems to fossils and shells. Earth's extraordinary minerals, gems, shells, and fossils are all on dazzling display in this essential visual encyclopedia for children. The Rock and Gem Book is an indispensable guide to the natural world's most remarkable treasures the book shows each rock, mineral, fossil, and shell in its natural form, as well as a wide range of everyday and unexpected objects in which they can be found Feast your eyes on the ultimate treasure trove that any pirate would envy! This genius geology book for kids has over 1200 stunning photographs that showcase rocks and gems in glorious detail, ensuring you can recognize sedimentary from sandstone, metamorphic from marble, and pyrite from pearl. The unique qualities of each eye-catching material are described in-depth, together with their broad range of uses in art, industry, architecture, and science. Treasure seekers, get set to start your own collection with this engaging encyclopedia for children aged 9-12. Celebrate your

child's curiosity as they explore: - Striking and detailed diagrams, drawings and illustrations on every page - A highly visual approach to learning - An ideal combination of colorful diagrams with infographic text boxes - CGI reconstructions show whole animals to help understand fossil fragments. - In association with The Smithsonian Institution Keep your eyes open for rainbow rocks, fluorescent minerals, priceless diamonds, and meteor showers on your geological journey of discovery. Meet dinosaurs in the prehistoric period to understand how fossils form, join the pyramid builders of ancient Egypt to investigate the limestone bricks and take a dip in the ocean on the hunt for clams, cowries, and cockles. This captivating kids encyclopedia also includes at-a-glance panels that provide a quick reference to all the stats, with easy-to-read accessible text for readers aged 9-12, yet can be enjoyed by the entire family, making this enthralling children's encyclopedia a beautiful and educational gift that can be passed down generations. Learn all about the world one picture at a time! If you like Rock and Gem Book, then why not complete the collection? Part of the highly visual Our World In Pictures series, avid readers can dive into the world of dinosaurs with The Dinosaur Book, become a vehicle virtuoso with Cars, Trains, Ships and Planes and venture on a journey across the globe with Countries, Cultures, People & Places. Rocks, Minerals and Gems - John Farndon 2017-01-10

The definitive guide to rocks, minerals and gems, this title includes an introduction to rocks and minerals and how they form, and a quick guide to what you need and where to look. There is also a complete guide to identifying rocks and minerals and everything you need to know to start building a collection. Packed with fun facts and practical

Handbook of Rocks, Minerals, and Gemstones - Walter Schumann 1993

Contains descriptions and photographs of approximately six hundred minerals, rocks, and meteorites, providing information about the history, origin, structure, composition, properties, classification, and location of each specimen.

Rock & Gem - DK 2023-06-27

Your compact guide to more than 450 rocks, crystals, gemstones, and fossils Explore the treasures of the Earth-sparkling crystals, vibrant gemstones, and age-old fossils-with this illustrated guide that's sure to captivate every rockhound and budding gemmologist. From primeval origins to their astonishing modern-day uses and appeal, this is the ultimate portrait of Earth's geological riches. Also included is a focused look at other precious materials often prized for their beauty, such as amber, coral, ivory, and fossils. Learn how to identify more than 450 rock and gem specimens through stunning photographs and detailed characteristics. Discover more about rocks and gems through folklore and historical artifacts and find out the fascinating stories behind some of the amazing natural treasures, including the Hope Diamond and the Great Mogul emerald. It also contains information on polishing and displaying your finds to further equip you with all the knowledge needed to delve into the arena of rock and mineral collecting. *Rocks & Gems* was produced in association with the Smithsonian in Washington, D.C., the world's largest museum complex, ensuring the guide's accuracy.

My Book of Rocks and Minerals - Devin Dennie 2017-07-11

A stunning visual reference book for little geologists who love to find fascinating rocks all around them. Identify colorful gemstones, sparkly crystals, the toughest rocks, and ancient fossils. Packed with fun facts, information, and extensive photos all about the rocks and minerals that make up the world around us. Interactive learning that engages young scholarly minds. Learn about 64 different types of rocks and minerals, how to tell the difference between them and where to find them. Dig into all the interesting geological materials from deep space to the deepest caves. You'll even discover glow in the dark minerals and living gems! Find out about the stuff our world is made of, and how rocks and minerals form over time. This captivating book introduces children to hands-on science with fun activities like starting your own impressive rock collection and how to stay safe on your rock finding missions. Written for kids aged 6 to 9 with bite-sized information and explanations. The easy-to-understand language gives them a rock-solid foundation for science subjects. The geology book includes the phonetic pronunciation of

the rock and mineral names so your little one will sound like a rock expert in no time. *Rockin' It With Stones And Minerals* - Stunning high-quality photographs. - Inspiring activities for little Earth scientists. - Over 64 types of rocks, their properties, and how they are formed.

Rock and Gem - Dorling Kindersley Publishing Staff 2005

From glittering gemstones to fascinating minerals and fossils, this incredible reference book is a stunning celebration of the Earth's buried treasures. Innovative, specially commissioned photography captures the essence and beauty of over 450 superb specimens, while lively and informative text describes the characteristics of each and its unique and changing relationship to humankind through the ages. Organized by rock classes and chemical groups, each rock, mineral and fossil entry contains a photograph of the specimen together with lively, wide-ranging text describing its qualities and history of use. In addition, a detailed, at-a-glance reference panel provides key data for identification and classification.

Gem - DK 2016-10-04

Prepare to be dazzled by this shining and sumptuous visual guide to the world's greatest treasures. Feast your eyes on glittering gemstones, kaleidoscopic minerals, and famous trinkets in this comprehensive exploration of Earth's finest jewels. Following a foreword from Aja Raden, hundreds of pages take a lavish look at precious stones, precious metals, and organic gems in all their natural wonder. From agate to zoisite, everything under the Sun is encapsulated in spectacular photography and accessible text. Trace the history of gemmology and get the inside story on our planet's most famous and fabulous gems, including the mysterious Hope Diamond, the stunning Koh-i-Noor of the Crown Jewels, and exquisite Fabergé eggs. Find out their physical properties, check the price tags, and discover the most remarkable record-breakers. This exceptionally extravagant book is a picture-packed, fact-filled celebration guaranteed to bring sparkle to your life and your library.

1964 Rock and Gem Festival Souvenir Program - 1964

What's that Rock or Mineral? - DK 2014-03-03

The perfect pocket guide to identifying rocks for beginners *What's That Rock?* is ideal if you struggle with how to tell the difference between granite and marble or limestone and sandstone. It's the perfect identification guide for beginners but also a handy field guide for the more seasoned nature lover. Featuring over 150 rocks, overviews of rock types show you what to look for where and similar rocks are shown side by side for quick comparison and identification so you can tell rock types apart. Become an expert rock-spotter in no time with *What's That Rock?*

NGK Everything Rocks and Minerals - Steve Tomecek 2011

Describes how rocks and minerals are formed by geological processes, and how they're used in our lives.

Lapidary for Beginners - Edward Fletcher 1984

Gems, Minerals & Rocks of Wyoming - W. Dan Hausel 2009

One geologist spent 30 years exploring Wyoming while noting the variety of minerals, rocks and gemstones scattered statewide. During these investigations, Wyoming, which once was considered to be relatively poor in gemstones, soon became known as having the most diversified assemblage of gemstones of any state in the United States. The author discovered dozens of new mineral, gemstone and rock localities, more than a hundred gold anomalies and mapped the largest diamondiferous kimberlite fields in the US and the largest field of lamproites in North America. During these investigations, the author, W. Dan Hausel, discovered some of the largest gemstones and deposits on earth. Now he shares these localities with his readers.

Rocks and Minerals - Dan Green 2013

In-depth information about rock formation and change. Galleries of rocks, minerals, and gems to identify and collect.

My Little Book of Rocks, Minerals and Gems - Claudia Martin 2017-05-02

What are rocks and minerals? Why are there so many different kinds? From the way that rocks are formed to identifying gem stones, My Little Book of Rocks provides the answers for budding geologists, using clear, concise text along with full color illustrations and photographs.

Rockhounding New York - Robert Beard 2014-02-18

A complete guide and source-book brimming with advice on collecting and preparing gems and minerals .

A Collector's Guide to Rock, Mineral, & Fossil Localities of Utah - James R. Wilson 1995

With the tremendous growth of population in this and neighboring states, there are more collectors than ever before and with the rapidly escalating prices for mineral and fossil specimens in the retail market, there is a great demand for displayable material. It has become necessary for professional geologists, hobby collectors, and commercial collectors to recognize each others existence and to try to work together within a framework of regulation, courtesy, and common sense so that material of scientific value is not lost and undue restrictions are not placed upon collecting. There is a continuing need for collectors and professionals to work together with resource managers and legislators to develop workable laws and rules affecting the collecting of minerals and fossils. This publication contains details information about collecting areas, divided by county to make for ease of use. Each collecting area contains information about the minerals, rocks, or fossils present, map recommendations, and other helpful tips on getting to the sites.

A Guide to Finding Gemstones, Gold, Minerals & Rocks - W. Dan Hausel 2014-09-25

Follow in the footsteps of successful gem and gold hunters and search the hills for rough diamonds, colored gemstones, lapidary minerals, precious metals and interesting minerals and rocks. Written for the geoscientist, prospector and rockhound; the first part of the book focuses on physical characteristics of gems and minerals. This is supplemented with the second part of

the book that describes dozens upon dozens of colored gem, diamond, gold, mineral and rock localities using the Public Land Survey System and GPS coordinates so the reader can visit these sites on a home computer with aerial and satellite imagery to gain an understanding of what to look for in the field. With these same coordinates, the reader can visit some occurrences, deposits and areas suggested for prospecting to further their gem hunter prospecting education and potentially lead to new discoveries. Now you can learn what to look for when searching for Mother Nature's treasure.

Rocks, Gems, and Mineral Collecting Sites in Western North Carolina - Rick James Jacquot 2003-01-01

This volume contains 53 of the best sites in the North Carolina area with detailed maps and GPS coordinates. The book also contains information on restrictions and fees.

Pocket Genius: Rocks and Minerals - DK 2016-01-19

Profiling nearly 200 types of rocks and minerals from volcanic rocks and granite to sparkling diamonds and explosive sulfur, DK's Pocket Genius: Rocks and Minerals digs deep beneath the surface, informing young readers what each rock is made of, how they are formed and what they are used for, how to be a rock collector, and how to identify rocks and minerals. Also highlighting landmarks such as Devils Tower, Giant's Causeway, and Shiprock Pinnacle, this Pocket Genius title shows how rocks and minerals play a part in the formation of each. Catalog entries include facts provided at-a-glance information, while locator icons offer immediately recognizable references to aid navigation and understanding, and fact files round off the book with fun facts such as record breakers and timelines. Each mini-encyclopedia is filled with facts on subjects ranging from animals to history, cars to dogs, and Earth to space and combines a child-friendly layout with engaging photography and bite-size chunks of text that will encourage and inform even the most reluctant readers.