

Science The Definitive Visual Guide Adam Hart Davis

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Science Penguin

Join us on a fascinating journey through the ages! Explore historical events through engaging explanations, incredible illustrations, and stunning computer-generated images. A gorgeously illustrated guide to the history of the world, from what everyday life was like in medieval cultures to the ground-breaking, eco-friendly innovations of today. From the disciplined armies of ancient Rome and the first flight of the Wright Brothers to World War II and post-colonial Africa, this comprehensive history book brings historical events to life in incredible detail. World history is charted and celebrated from every angle in this reference book. Perfect for making home learning fun, young readers will get to see what history looked like through spectacular computer-generated images of key people, places, and events. Discover fantastic facts about the history of everything. Comprehensive and authoritative information on a massive range of topics will inspire young minds to learn more about history. Find out what everyday life was like in Egypt and how inventions like the printer came about, and understand why the world went to war - twice. Packed with vivid depictions of history, this complete visual reference guide shows you what other encyclopedias only tell you. Peek inside ancient buildings, meet ferocious samurai warriors and marvel at elaborate outfits, all through highly detailed CGI images. A Fascinating Introduction to The World Through Time Find out fun facts that will amaze and surprise you, and answer your burning questions about some of history's key events, like the French Revolution or the Golden Age of Cinema. This book will transport you to the most exciting times of the past, from our earliest ancestors right up to the world we live in today. Journey back in time with this educational book of the events of the past! - The Ancient World - The Medieval World - The Age of Revolution - The Age of Exploration - The Modern World Complete the Series: DK Book's Knowledge Encyclopedia Series makes the most complex subjects easy to understand. Discover everything you need to know about the human body in Knowledge Encyclopedia Human Body!, learn about the most exciting parts of space in Knowledge Encyclopedia Space!, and many more!

The Natural History Book Salamander Books

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.

The Science of Animals Penguin

From the wheel to the worldwide web, our planet has been transformed by science. Now you can travel through time to experience centuries of invention and innovation on this spectacular visual voyage of discovery. ? Starting in ancient times and ending up in the modern world, you'll explore scientific history showcased in stunning images and captivating text. An easy-to-follow illustrated timeline runs throughout the book, keeping you informed of big breakthroughs and key developments. Get to grips with revolutionary ideas like measuring time or check out amazing artefacts like flying machines. Great geniuses, including Marie Curie, Albert Einstein, and Charles Darwin are introduced alongside their most important ideas and inventions, all shown in glorious detail.? Hundreds of pages of history are covered in Science Year by Year, with global coverage of scientific advances. Whether you're joining in with eureka moments, inspecting engines, or learning about evolution, all aspects of science are covered from

the past, present, and future.

Ernst Haeckel Penguin

Design: The Definitive Visual History lays out the complete evolution of design, from its origins in early cultures to the contemporary design -- physical and digital -- of today. This comprehensive volume covers every major design movement, along with the iconic designers and manufacturers who influenced everyday life through the objects and buildings they created. Arranged chronologically, Design moves decade-by-decade from the 1850s onward to explore the cultural, social, political, economic, and technological forces in the world at large and shows how these factors influenced movements and styles in design. Gorgeous catalogues of objects demonstrate how design in turn has influenced the everyday life, through architecture, fashion, furniture, ceramics, glassware, lighting, fabrics, electronic equipment, and more. With profiles of famous designers such as Alvar Aalto, Frank Gehry, and Philippe Starck and stunning images of buildings and interiors, Design: The Definitive Visual History is a true celebration of classic design across the centuries. Produced in association with the Smithsonian Institution.

Ocean Penguin

Ernst Haeckel (1834ndash;1919) was a German-born biologist, naturalist, evolutionist, artist, philosopher, and doctor, who spent his life researching flora and fauna from the highest mountaintops to deepest ocean. A vociferous supporter and developer of Darwin's theories of evolution, he denounced religious dogma, abandoned an early career in medicine, authored philosophical treatises, gained a doctorate in zoology, and coined scientific terms which have passed into common usage, including ecology, phylum, and stem cell. Haeckel's colossal legacy has fascinated, confounded, and polarized generations. But what was at the heart of his extraordinary life's work? Rather like his intellectual forebear, Alexander von Humboldt, Haeckel was motivated not only to discover but also to explain. To do this, he created hundreds of detailed drawings, watercolors, and sketches of his findings which he published in successive volumes during the 20th century, including several marine organism collections and the majestic Kunstformen der Natur (Art Forms in Nature), which could serve as the cornerstone of Haeckel's entire life project. Like a meticulous visual encyclopedia of living things, Haeckel's work was as remarkable for its graphic precision and meticulous shading as for its understanding of organic evolution and cellular development. From bats to the box jellyfish, lizards to lichen, and spider legs to sea anemones, he emphasized the essential symmetries and order of nature, and found biological beauty in even the most unlikely of creatures. The prints not only furthered the study of natural history but also influenced generations of 20th-century artists and architects, from the emerging proponents of Art Nouveau to architects such as Hendrik Petrus Berlage, whose Amsterdam Commodities Exchange was inspired by Haeckel's illustrations. In this book, we celebrate the scientific, artistic, and environmental importance of Haeckel's work, with a collection of prints from several of his most important tomes on marine biology, including Die Radiolarien, Monographie der Medusen, Die Kalkschwämme: eine Monographie, and Kunstformen der Natur. At a time when biodiversity is increasingly threatened by human activities, the book is at once a visual masterwork, an underwater exploration, and a vivid reminder of the precious variety of life.

Science Year by Year Penguin

This new edition of Ocean has been updated with fresh graphics, images, and type styling throughout, and includes new coverage of major events such as Hurricane Sandy and the Japan tsunami. DK's Ocean is a highly illustrated encyclopedia of the marine environment. It not only covers marine life and physical oceanography, from the geology of the seafloor to the chemistry of seawater, but also includes an atlas of the world's oceans and seas compiled using satellite data. Visual catalogs throughout the book contain profiles of living organisms and key locations. With comprehensively updated text, artwork, and images, the second edition of DK's exhaustive guide to the underwater world is the most definitive visual guide to the world's oceans on the market.

The Complete Human Body Penguin

View the animal kingdom up close as never before in this breathtaking title, which has already sold over 1.5 million copies. Written by 70 specialists, it features stunning wildlife photography of more than 2000 of the world's most important wild mammals, birds, reptiles, amphibians, and insects. With around two million species identified to date, animals are the dominant and most varied form of life on the planet. Animal presents a representative selection, ranging from the giant baleen whale, to fast-moving predators such as sharks, big cats, and birds of prey, as well as microscopic beetles barely 1mm long and other insects. It presents some of the latest species to be described: meet the cute but elusive olinguito from South America, which was only identified in 2013, or the skywalker hoolock gibbon that was named after a Star Wars character in 2017. Animal also explains how the earth's biodiversity is in sharp decline and the conservation projects underway to safeguard precious species. For each one, it gives a locator map and statistics, including its conservation status. For anyone who wants a reliable and enthralling reference, in which you can find the answers to everything - from why zebras are striped or how the sunbear got its name - Animal is your essential one-stop guide.

World War II the Definitive Visual Guide Penguin

A beautifully illustrated, thematically arranged history of science - covering great scientists, inventions, and ideas - that has been updated to include the latest scientific advances Delve into the story of science - from astronomy and biology to geology and mathematics - with this illustrated guide to the great scientists, discoveries, and inventions that shaped our world. Going from the dawn of science to the information age, Science tells you all there is to know about ground-breaking events, experiments, theories, and individuals, as well as explaining why each is so significant to the development of scientific thought. Lavish illustrations and stunning photographs help to tell the story of innovation, from ancient Greek geometry to quantum physics. Fascinating biographies of key players - including Zhang Heng, Isaac Newton, and Marie Curie - give you more information about the people behind each discovery. Packed full of straightforward and informative diagrams and CGIs, Science clearly explains how scientific principles - from algebra to how the heart beats - actually work. Updated to include the latest scientific developments, from recent advances in genetic engineering to the detection of gravitational waves 100 years after Einstein predicted their existence, Science is the ultimate book for anyone who wants to know more about how we came to understand the world around us.

Science DK Publishing (Dorling Kindersley)

Discover 80 trail-blazing scientific ideas, which underpin our modern world, giving us everything from antibiotics to gene therapy, electricity to space rockets and batteries to smart phones. What is string theory or black holes? And who

discovered gravity and radiation? The Science Book presents the fascinating story behind these and other of the world's most important concepts in maths, chemistry, physics and biology in plain English, with easy to grasp "mind maps" and eye-catching artworks. Albert Einstein once quoted Isaac Newton: "If I have seen further than others, it is by standing on the shoulders of giants." Follow context panels in The Science Book to trace how one scientist's ideas informed the next. See, for example, how Alan Turing's "universal computing machine" in the 1940s led to smart phones, or how Carl Linnaeus's classifications led to Darwin's theory of evolution, the sequencing of the human genome and lifesaving gene therapies. Part of the popular Big Ideas series, The Science Book is the perfect way to explore this fascinating subject. Series Overview: Big Ideas Simply Explained series uses creative design and innovative graphics along with straightforward and engaging writing to make complex subjects easier to understand. With over 7 million copies worldwide sold to date, these award-winning books provide just the information needed for students, families, or anyone interested in concise, thought-provoking refreshers on a single subject.

My First Science Encyclopedia Penguin

Dive into this uniquely elegant visual exploration of the sea An informative and utterly beautiful introduction to marine life and the ocean environment, Oceanology brings the riches of the underwater world onto the printed page. Astounding photography reveals an abundance of life, from microscopic plankton to great whales, seaweed to starfish. Published in association with the Smithsonian Institution, the book explores every corner of the oceans, from coral reefs and mangrove swamps to deep ocean trenches. Along the way, and with the help of clear, simple illustrations, it explains how life has adapted to the marine environment, revealing for example how a stonefish delivers its lethal venom and how a sponge sustains itself by sifting food from passing currents. It also examines the physical forces and processes that shape the oceans, from global circulation systems and tides to undersea volcanoes and tsunamis. To most of us, the marine world is out of reach. But with the help of photography and the latest technology, Oceanology brings us up close to animals, plants, and other living things that inhabit a fantastic and almost incomprehensibly beautiful other dimension.

Science the Definitive Visual Guide / Penguin

From the origin of life, through the age of dinosaurs stalked by the terrifying Tyrannosaurus rex, to the earliest humans, this book tells the story of life on Earth. Dinosaurs may be the stars of the show, but the book is truly comprehensive, with fossil plants, invertebrates, amphibians, fish, birds, reptiles, mammals, and even early bacteria conjuring up an entire past world. To put all of these extinct species in context, the book explores geological time and the way life-forms are classified. It also looks at how fossils preserve the story of evolution, and how it can be deciphered. The chapter on "Young Earth" explains how forces shaped Earth and steered the course of life. The main part of the book - "Life on Earth" - lays out and catalogues the rich story of life, from its beginnings 4 billion years ago, through each geological period, such as the Jurassic and Cretaceous, to the present. The stunning visuals and authoritative text make Dinosaurs and Prehistoric Life a fascinating and revealing encyclopedia that will appeal to the whole family.

Dinosaurs and Prehistoric Life: the Definitive Visual Guide to Prehistoric Animals Penguin

See the Solar System like never before The Planets is an awe-inspiring and informative journey through the Solar System, with all-new 3D globes and models built using the latest data gathered by NASA and the European Space Agency that can be viewed from any angle and layer by layer. You can even move in for a closer look with 3D terrain models that take you on a trip to the surfaces of the rocky planets. As well as covering the Sun, the planets, hundreds of moons and thousands of asteroids and

comets, The Planets includes all the major Solar System missions, right up to the latest Mars rovers. Timelines explore our relationship with each planet and infographics present fascinating Solar System facts and planet facts. The Planets is ideal for anyone interested in space exploration and all armchair astronauts or astronomers.

Knowledge Encyclopedia History! Penguin

See the animal kingdom in all its glory, from jellyfish to polar bears, with up-close details of their unique features from head to toe. Filled with magnificent photographs that were specially commissioned for this book and cannot be seen anywhere else. Written in association with the Natural History Museum. This visual reference book starts with the question "what is an animal?" and takes you through the animal kingdom - mammals, reptiles, birds, and sea creatures. It uses a unique head to toe approach that showcases in spectacular detail special features such as the flight feathers of a parrot, the antenna of a moth, or the tentacles of coral. This visual encyclopedia is filled with clear and fascinating information on everything about the social lives of animals. Read exciting stories, like how animals communicate, defend their territories, and attract mates. Learn how evolution has helped wildlife to adapt to their unique environments, whether it is the ability to live in difficult habitats, adjust to specific diets or how they work physically. Humans have drawn and painted animals for thousands of years. The Science of Animals has included some of these, such as early rock art that depicts our awe of the animal kingdom, or natural history artworks such as the ones commissioned by the Mughal Courts in the 1600s. Dramatic Wildlife Photography Spectacular, never seen before, photographs that will bring you close to many of the world's most captivating and intriguing inhabitants. This book offers an extraordinary introduction to the animal world by taking you through chapters that details their diversity. Go from head to toe in The Science of Animals: - The animal kingdom - Shape and size - Skeletons - Skins, coats, and armour - Senses - Mouth and jaws - Legs, arms, tentacles, and tails - Fins, flippers, and paddles - Wings and parachutes - Eggs and offspring

DK Science Penguin

This brilliant children's encyclopedia is informative, diverse in subject matter, easy to read and brimming with ground-breaking CGI graphics that make it a truly immersive reading experience, revealing the world as you've never seen it before. An incredible, educational journey through space and time on planet Earth and beyond. This is the perfect educational book for a young explorer. Experience the Big Bang at the beginning of the universe and travel through our world's rich history right up until the digital world we live in today. This magnificent general knowledge book will entertain and educate. A breath-taking comprehensive guide to planet Earth and the universe that is guaranteed to boost your child's brainpower. It covers the complexities of space, science, nature, technology, art, history, and culture, which are broken down into bite-sized chunks supported by statistics, maps, timelines, and cutting-edge graphics to make even the most complex subjects easy to understand. Look inside an Apollo spacecraft, a volcano, or the body of a T-rex! Learn about the Big Bang and the science behind fireworks. Then explore the galaxies and stars back to Earth, and in and around the mechanics of the human body. This fully updated edition of Knowledge Encyclopedia is the perfect fact book for kids of all ages to go on an adventure through its pages. Explore, Discover And Learn! Spend quality time exploring our universe, accompanied by impressive visuals to engage their senses. Discover the mysteries of Tutankhamun's tomb, what powers tsunamis, tornadoes, and earthquakes or witness the birth of a star in all its glory and learn about the secrets held in our DNA. You can also go back in time to the building of the Great Wall of China or walk the scarred battlefields of two World Wars. Knowledge Encyclopedia uncovers the marvels of our world in unprecedented detail and with stunning realism. This kid's educational book opens the world in new ways

through: - Amazing insights into space and the universe - Interesting facts about Earth - A closer look at nature - Diving into the human body - The amazing world of science - Our world's history Knowledge Encyclopedia is part of a children's encyclopedia set forming the Knowledge Encyclopedia educational series. Complete this collection of books for kids to keep your little ones entertained while learning more about the world around them. This series includes Knowledge Encyclopedia Dinosaur!, History!, Space!, Ocean! and more.

Science Penguin

Art: A Visual History is the complete visual guide to Western art, now updated and repackaged in a themed slipcase. How to tell Impressionism from Expressionism, a Degas from a Monet, early Medieval art from early Christian? Art: A Visual History explains it all - painting, sculpture, great artists, styles, and schools - and will help you answer the question, "What makes great art?" Art: A Visual History includes: + More than 650 artists and all the major schools and movements, all arranged chronologically. + Close-up focus on 22 masterpieces, from Ancient Greek sculpture to 1960s Pop Art. + Well-known icons along with lesser-known gems - carefully chosen to illuminate the points made in the text. + Features on major schools and movements to explore and explain their stylistic trademarks, characteristics, and favored subjects. Art: A Visual History is a knowledgeable, thought-provoking, and accessible tour of the creators of Western art. Reviews: "With its solid, accessible information and hundreds of excellent, full-color reproductions, this is ideal for high school or college students as well as any art lover or museumgoer." - Library Journal (Starred Review)

Science: the Definitive Visual Guide Dorling Kindersley Ltd

The complete illustrated science encyclopedia covering the history, key discoveries, inventions and people This remarkable reference ebook reveals the story of scientific progress from the invention of the wheel to 21st-century climate solutions, including everything from ancient Greek geometry and quantum physics to the worldwide web. Explore every key moment of scientific discovery and find out how the concepts, inventions and the individuals behind them have changed our world. With stunning artworks and authoritative information this makes even complex scientific subjects easily comprehensible.

Universe Dorling Kindersley Ltd

This stimulating and comprehensive encyclopedia for children ages 8-12 provides answers to all the questions kids love to ask. Each chapter is jam-packed with maps, charts, timelines, diagrams, beautiful images, and amazing facts. Did you know, for example, that a single drop of blood contains around five million blood cells? Or that there are areas of desert in all seven of Earth's continents? Kids can build their knowledge on a wide range of topics-including Earth and beyond, plants and animals, history and politics, science, technology, and the human body-arranged thematically with more than 9,000 indexed entries and 2,500 colorful images. Cross-reference icons encourage children to explore and discover linked information, feeding their curiosity and building their general knowledge. The New Children's Encyclopedia, which has sold almost 500,000 copies worldwide since 2009, has now been fully updated in line with the latest knowledge and research. Developed, written, and checked by experts, this is the must-have reference book for every child's library.

The Science Book Penguin

Expand your horizons and take in the awesome sights of the Universe. Using stunning space photography and easy-to-understand infographics, The Stars takes you to scores of galaxy clusters fantastically far away. Since the Big Bang 13.8 billion years ago, there are now hundreds of billions of stars, 200 billion alone in our home galaxy - the Milky Way. The Stars details 88 constellations to be found in the night sky, including Ursa Major, which contains the seven stars that make up the

Plough, as well as Hercules, Lyra, Orion, and far away Andromeda. It explains how they came into being, where they are situated, and their key features. Feast your eyes on glowing galaxies, and rare sights such as dust clouds in the Carina and Ring Nebulae, taken by the Hubble Space Telescope. The Stars also provides an endless parade of mind-blowing facts such as when Betelgeuse explodes, it will release more energy in an instant than the Sun produces in its entire lifetime!

History National Geographic Books

Delve into the story of science - from astronomy and biology to geology and mathematics - with this illustrated guide to the great scientists, discoveries, and inventions that shaped our world. Going from the dawn of science to the information age, Science tells you all there is to know about ground-breaking events, experiments, theories, and individuals, as well as explaining why each is so significant to the development of scientific thought. Lavish illustrations and stunning photographs help to tell the story of innovation, from ancient Greek geometry to quantum physics. Fascinating biographies of key players - including Zhang Heng, Isaac Newton, and Marie Curie - give you more information about the people behind each discovery. Packed full of straightforward and informative diagrams and CGIs, Science clearly explains how scientific principles - from algebra to how the heart beats - actually work. Updated to include the latest scientific developments, from recent advances in genetic engineering to the detection of gravitational waves 100 years after Einstein predicted their existence, Science is the ultimate book for anyone who wants to know more about how we came to understand the world around us.

The Cat Encyclopedia Penguin

The complete illustrated science encyclopedia covering the history, key discoveries, inventions and people Science- The Definitive Visual Guide reveals the story of scientific progress from the invention of the wheel to 21st-century climate solutions, including everything from ancient Greek geometry and quantum physics to the worldwide web. Explore every key moment of scientific discovery with this remarkable reference book and find out how the concepts, inventions and the individuals behind them have changed our world. With stunning artworks and authoritative information Science- The Definitive Visual Guide, now in compact format makes even complex scientific subjects easily comprehensible.