
Explanatorium Of Science

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STOKES KINGSTON

Science But Not As We Know It Astra Publishing House

A fantastic aid for coursework, homework, and test revision, this is the ultimate study guide to biology. From reproduction to respiration and from enzymes to ecosystems, every topic is fully illustrated to support the information, make the facts clear, and bring biology to life. For key ideas, "How it works" and "Look closer" boxes explain the theory with the help of simple graphics. And for revision, a handy "Key facts" box provides a summary you can check back on later. With clear, concise coverage of all the core biology topics, SuperSimple Biology is the perfect accessible guide for students, supporting classwork, and making studying for exams the easiest it's ever been.

Science Squad Penguin
David Macaulay's troupe of curious mammoths lead you through the basics of physics, biology, and chemistry in this unconventional and highly original guide to science. From the interior of an atom to the solar system

and beyond, the mammoths seek to understand the science! These intrepid science demonstrators will go to incredible lengths to educate and entertain. They wrestle with magnets to understand their powerful force, make mammoth models of different materials explore what gives them mass, and step into an X-ray machine to reveal the bones beneath their woolly exterior. Observing and recording the mammoth's behavior is bestselling illustrator David Macaulay, whose *How Machines Work* won the Royal Society Young People's Book Prize in 2016. Renowned for his ability to explain complex ideas with simple genius, Macaulay captures the oddball humor of his subject matter, making Macaulay's Mammoth Science the perfect introduction to scientific principles for the young and the young-at-heart. *The Adventures of King Arthur* Penguin
Welcome to the Explanatorium - the only science encyclopedia for children you'll ever need, with amazing photography that shows and explains how chemistry, physics, and biology work. Open up

this book to reveal how science really works! Watch as mixtures merge and matter changes state. Discover how some chemical changes can be reversed, yet others can't, and why some reactions produce a bang! See bacteria at work in the world around us, and even inside the human digestive system. Understand the tricks that light plays and unlock the secrets of electricity to find out how it powers your home. Whether it's elements, evolution, or energy, the world of science is brought to life by stunning photographic explanations that answer the biggest and smallest questions about our Universe. Packed full of astounding close-up images, Explanatorium of Science is the ultimate guide to how the world works, explaining every aspect of science from gigantic galaxies to tiny cells.

DKfindout! Energy DK Children

Meet the brainiest bunch of minds behind the greatest breakthroughs in world science, with this non-fiction book for kids. Go hunting for ancient fossils with Mary Anning, star-gazing with Neil DeGrasse Tyson, and investigating with Sir

Isaac Newton, as you follow the stories of more than 50 great scientists and their life-changing discoveries. *Scientists* looks at the extraordinary breakthroughs from history through charming storytelling and in great detail, covering celebrated familiar figures as well as lesser-known trailblazers, each with a tale as intriguing as it is unique. From volcano obsessed Katia and Maurice Krafft and lithium-ion battery inventor Akira Yoshino, to colour-pioneer Chika Kuroda, who became Japan's first female Bachelor of Science - the scientists in this book have all used their intelligence and determination to make vital discoveries that have improved our world forever. These groundbreaking developments range from some of the earliest findings, to modern-day advancements in science and technology. Beautiful descriptions of the scientists' lives are brought to life through stunning watercolour illustrations by Jessamy Hawke and fantastic photography highlights the detail of their discoveries. The scientists come from all walks of life

and parts of the world, making this the perfect book for every budding scientist.

Mammoth Science

Penguin

Robert Winston answers 100 big questions from kids across the world in this fun and unique science book. In this unique science book, Professor Robert Winston answers more than 100 real-life questions from children all around the world! And who could be a better scientist to ask questions to than Professor Robert Winston? *Ask a Scientist* puts the fun back into science in this thrilling book for children aged 6-9. All the popular science topics are covered, with weird and wacky questions and clear and lively answers, including biology: "Why do freckles come in dots on your face?"; physics: "Could you jump off the world?"; Earth: "Why is the sky blue?"; chemistry: "Why are there bubbles in boiling water?"; natural science: "Do dogs cry?", and space: "Why will the Sun explode and make us extinct?". This exciting new edition includes eight pages of additional questions relating to the recent hot topics in science, including the COVID-19 pandemic.

Inside the pages of this quirky science book, you'll find: - Every aspect of science: including biology; space; physics; chemistry; Earth; natural sciences. - The topic of science presented in a fresh, exciting way, by tackling it from the child's perspective. - More than 100 real-life questions from children from all around the world about every aspect of science. - Updated reissue of the 2019 edition with an additional eight new pages, including coverage of important recent topics such as the COVID-19 pandemic. The inspiration behind this unique science book came from the many questions posed by Robert Winston's grandchildren and by children from the schools he has visited over the years. The book includes some of these questions, plus many more gathered from countries all over the world - including the UK, Ireland and mainland Europe, Canada, the USA, India, China, and Japan. The 100 big questions featured inside the book cover all the main science topics: chemistry, physics, biology, Earth, space, and natural science. *Scientists Who Changed History Kids* Can Press Ltd This engaging and fun

reference book is the perfect first step for children into the fascinating world of science! This super-fun science activity book features pop-ups, lift-flaps, and pull tabs that will engage young children with the theories of light, sound, space, electricity, optics, electromagnetics, acoustics, and more! Packed with lots of cool and interactive novelties, kids can learn as they play! Inside, you'll find:

- Visually exciting fun, colorful illustrations
- Nine spreads with sturdy pop-ups, pull-the-tab sliders, flaps, and cutaway pictures – with some novelties that make science happen on the page
- Introductory spreads that explain what science is and how scientists experiment
- A helpful science glossary

Introduce kids to the wonder of science Award-winning author Jules Pottle has used her knowledge of science to create this kid-friendly STEM book that inspires children to become independent learners who love science. The Really Incredible Science Book is the first step into a world of wonder and lifelong investigation. This pop-up science book follows the

early primary science curriculum and allows plenty of fun learning! Kids will discover what's in space, what happens when we mix things, how sounds are made, what a magnet is, how circuits work, what makes a rainbow, how plants grow, and so much more! Other incredible STEM titles DK's STEM series is aimed at young readers ages 5-8 years. These books introduce them to knowledge streams such as science, math, and engineering. These books are fun and engaging and make these subjects a pleasure to learn. Other books in this series include My First Coding Book and Geometry Genius.

Explanatorium of Science Penguin

Dive into the lifecycle of water and discover how it supports all life forms, how humans harness its power, and why we need to conserve it. From snowflakes falling from the clouds, deep ocean currents to hot springs, and water in space, this children's nature book showcases the beauty and power of water in the natural world. Inside the pages of this fascinating science book for kids, you'll discover:

- Bite-size facts about inhabitants of

freshwater and saltwater

- Incredible photographs capture the power of water in nature
- Great new angle about water and its many uses
- Subjects included supports STEM learning
- Cross-curricular science book - covering biology, the natural world, geography, global warming for kids, and much more

The wonderful world of water awaits! Water is essential for life. We drink it, bathe in it, and thousands of creatures live in it. But we are running desperately low on it. Water Cycles shows children how important keeping hydrated is for our health and what we can do to save this life-giving substance in the face of climate change. This children's wildlife book is packed with incredible facts about water. Little ones will learn how it affects Earth's weather, through rainstorms, snow flurries, and cyclones, how it is used in growing food and in making electricity, as well as how water travels into our homes at the turn of a tap. From rushing rivers to vast oceans full of animals and plants, water is everywhere. Children will love seeing starfishes, manatees, and orcas

come to life through spectacular photography and illustrations. It's the perfect gift for kids aged 7-9 years who love nature and its processes!

Mystery of the Periodic Table Penguin

This playful preschool activity ebook for kids will unleash your child's curiosity and creativity as they play their way through 15 super fun STEM projects. Every project features bright photography and charming illustrations, which support the easy-to-follow instructions. Perfect for ages 3-6, this children's book will excite little ones by revealing the everyday ways they can be an engineer. Children are born with everything they need to be great engineers - inquisitive minds, unlimited imagination, and super senses. With this educational ebook in hand, little readers are encouraged to use their senses to investigate and discover the world of science and math while having fun. This kids book is ridiculously cool and filled with fun experiments you and your kids can do together. They'll learn how to make the strongest paper bridges, how to power a tugboat with an elastic

band, which materials make the best parachutes, and much more. These ingenious hands-on activities align with subjects taught at school, including science, math, and technology. Children have the opportunity to do what they do best with this awesome kids' activity ebook - imagine, create, learn, problem-solve, and above all, play their way to engineering discovery. Get Your Engineering Hat Ready! You were born with everything you need to be an engineer - a brilliant brain and spectacular senses! Get ready to touch, smell, see, hear, and taste your way to engineering excellence. Find out how to make a floating rescue raft, what makes a bridge super strong, why paper planes glide and much, much more! Full of amazing engineering creations for kids to make like: - A magical woodland den - A sweet, sweet pyramid - The coolest paper bridge - A totally artistic painting pendulum (we're learning gravity here) - And much more! Prepare to have all the FUN! DK's Look! I'm Learning series of exciting and educational STEM ebooks focus on the sensory experience of practical learning and

play and finds the science in everyday activities. Hands-on learning experiences tap straight into kids' insatiable curiosity and sense of wonder. These ebooks for children are perfect for ages 3-6 as they are formatted with a padded cover and toddler-tough pages. The series encourages children to develop independence and improves their critical thinking, investigation skills, and motor skills. Try the other titles in the series next, including Look I'm A Scientist, Look I'm A Mathematician, and Look I'm A Cook. Science Year by Year Penguin This glow-in-the dark jellyfish invites you to find light all around, in this foundational science book for young children Sun shines. Stars twinkle. Aurora borealis glimmers. Dramatic paintings of lightning, fire, fireworks and more introduces the sources of light—both natural and manmade—and encourage children to look around and observe. Kids will gasp in surprise at the beautiful glow-in-the-dark cover. Margaret Peot's distinctive art style captures the elusive nature of light. Bioluminescent squid,

fireflies and phytoplankton reveal light sources in living things. Fireworks and light bubbles sparkle on the page. This foundational science book will kindle curiosity in physical science and the natural world. The simple text makes science accessible to all ages. Toddlers will delight in the colorful art at storytime. As they grow, kids will return to this nonfiction favorite and discover new ideas each time. Science vocabulary and definitions are included in the back of the book.

Scientists Penguin

Math makes the world go around. An educational book that will give you surprising answers to everyday math challenges. This ebook unpacks how math is an essential part of our everyday life in ways that you never thought of. Full of crazy facts, magic tricks, and mathematical brainteasers and beautiful illustrations show you that math is interesting, fun, and not intimidating at all! Ever wondered where math originated from? This fantastic educational ebook unpacks all the curious questions that your child has about math including intriguing historical stories that

explore the often-surprising origins of math that we use in our daily lives. Learn about how the formation of number sequences began, to the origins of trigonometry, and find out how to become a trillionaire! Math in our daily lives is used in many things that might not even seem that obvious. Math Controls Just About Everything Inspire your children with numbers and help bring mathematical explanations to life with this engaging educational book. Expand their knowledge in the complexity of understanding math by using simple illustrative examples. To make these topics more exciting and impactful, the ebook is full of great puzzles, awesome games, and interesting facts that will break barriers in their understanding. "Try it out" examples give mathematical explanations that are simple and easy to grasp. What's The Point Of Math? will not only change your child's perception of numbers but give them the skills and understanding to apply the principles in their everyday life! This educational ebook explains the point of: -

Numbers and counting -
 Shapes and measuring -
 Patterns and sequences -
 Probability and logic -
 Data and statistics
The Science of Light
 Penguin
 Explore the lives and achievements of more than 85 of the world's most inspirational and influential scientists with this innovative and boldly graphic biography-led book. The second title in DK's new illustrated biography series, *Scientists Who Changed History* profiles trailblazing individuals from Greek mathematicians, such as Archimedes and Hipparchus, through physicists of the early 20th-century, such as Marie Curie and Albert Einstein, to modern greats such as Stephen Hawking and Tim Berners-Lee. Each featured individual has made a major contribution to one or more scientific fields, from astronomy, biology, and psychology, to computer science and geology. Combining elements of biography, history, and analysis, *Scientists Who Changed History* explains the groundbreaking contributions made by these revolutionary men and women in a clear and informative way.

What's the Point of Math?
Penguin

"Packed with pop-ups, flaps, and incredible facts" -- Cover.

Maths Made Easy Young Reading Series 2

An accessible and engaging primer on the history of the universe and life on Earth. In this delightful book, kids can follow the fascinating story of how we got from the beginning of the universe to life today on the "bright blue ball floating in space" called Earth. They'll learn about the big bang theory, how our solar system and planet were formed, how life on Earth began in the oceans and moved to land, what happened to the dinosaurs and how humans evolved from apes to build communities all over the planet ... and even travel to space! Kids will be enthralled by this out-of-this-world look at how the universe began!

Animal Atlas Penguin

The exciting world of science and technology is broken down into fun, digestible chunks in this illustrated book for 5 to 7 year olds. Find out how robots work, what a food chain is, where lightning comes from, and how lungs allow you to breathe! The S-TEAM (Science, Technology,

Engineering, Art and Maths) are delightful characters who will guide children through Simply Science, always on hand with tips or simple explanations. Join them as they take you through informative chapters covering living things, the human body, space, physics, geography, maths, engineering, and chemistry. Simply Science is a perfect introduction for kids starting to learn about science at school, or kids interested in becoming a mini scientist. The Physics Book Penguin This epic journey of scientific discovery starts in ancient times and travels through centuries of invention before fast forwarding into the future. In this ultimate home reference, you'll see simple machines and modern-day marvels, following incredible illustrated timelines that plot the entire history of science and highlight the most momentous discoveries. A jaw-dropping collection of more than 1,500 photographs, illustrations, maps, and graphics charts the evolution of science year by year, century by century. You'll meet influential inventors and famous faces from the past, including Aristotle,

Leonardo da Vinci, Isaac Newton, Charles Darwin, Marie Curie, and Stephen Hawking. You'll visit places of scientific importance, such as prehistoric cave art, Stonehenge, Hiroshima and the first atomic bomb, the Moon landings, and the Higgs boson particle. These huge events are made simple thanks to eye-catching images, helpful timelines, and accessible, informative text. Landmark people and periods are combined in this one stunning family reference, showcasing the ideas, experiments, and technologies that have shaped our daily lives and transformed the world we live in today. Budding scientists, get ready for a time travelling trip like no other.

The Biology Book Dorling Kindersley Ltd

A fantastic resource to teach kids everything they would want to know about the exciting world of science. Perfect for budding scientists who want a highly visual STEM book to increase their science know-how. This introduction to science for kids is full of photographs and illustrations, fascinating facts, and engaging challenges. It's sure to inspire the next amazing science fair

project. A brilliant science book for kids containing tons of interesting facts about this limitless subject, as well as a fantastic breakdown of what science is and why it's so important. Did you know that there are no sounds in space? Or that rainbows appear only in the morning or late afternoon? Find out why! For any child that can't get enough of science, DKfindout! Science is packed with fun facts, quizzes and amazing photography. Follow along with key curriculum text introducing all the key topics for age 6+ readers covering everything from light and electricity, to animals and parts of the body. This series will satisfy any child who is eager to learn and acquire facts - and keep them coming back for more. The only limit is your imagination! Find Out About The Exciting World Of Science! Have you ever wanted to know what lightning is? Or perhaps you'd like to know how to make a rainbow? Now you can! DKfindout! Science is packed with surprising scientific facts and fascinating pictures. It's a small book filled with big ideas. Inside these pages, you will: - Learn about forces, the laws of motion,

simple machines, and electrical circuits - Read about great scientists in history - See how the water cycle works - Discover how things like gravity and magnetism change our daily lives - Hear from real-life expert Dr. Suze Kundu what it's like to be a materials scientist - Fold out the cover for a science quiz and timeline -and find out much, much more! DKfindout! Science is one title in the DKfindout! series of educational books for kids, and Silver award winner in the MadeForMums Awards 2017 children's books series category. Kids around the world are obsessed with this gorgeous collection, so much so that a range of massive DKfindout! posters for bedroom walls are sold separately. Add to your collection and nurture your little one's interest in the world. Other titles include DKfindout! Solar System, Birds, Castles, Climate Change, Pirates, Coding, Ancient Egypt, Engineering, Reptiles and a whole lot more! **Ask A Scientist (New Edition)** Dorling Kindersley Ltd Supporting STEM-based learning, this fact-filled book for kids ages 6-9 is

the ultimate guide to energy and its role in building a more sustainable future. Entertaining and educating young readers through a combination of close-up images, quirky trivia facts, quiz questions, and fascinating tidbits, it's the perfect book for fueling kids' interest in the natural forces that shape our world. Why does your hair stick to a balloon? What are fossil fuels made from? Why does ice cream feel cold when we eat it? Find out the answers to these questions and more in DKfindout! Energy, which features photographs of scientific experiments and illustrative examples of basic energy principles. From the discovery of fire to the development of the nuclear reactor, scientific breakthroughs throughout history have led to modern energy applications, like Marie Curie's research on radioactivity, which is still used in cancer treatments today. Readers will also delve into future energy issues and their possible solutions. Vetted by educational consultants, the DKfindout! series drives kids ages 6-9 to become experts on more than 30 of their favorite

STEM- and history-related subjects, whether Vikings, volcanoes, or robots. This series covers the subjects that kids really want to learn about—ones that have a direct impact on the world around them, like climate change, space exploration, and rapidly evolving technology—making learning fun through amazing images, stimulating quizzes, and cutting-edge information. The DKfindout! series is one that kids will want to turn to again and again.

Super Science Encyclopedia
Sourcebooks, Inc.

Explore the laws and theories of physics in this accessible introduction to the forces that shape our universe, our planet, and our everyday lives. Using a bold, graphics-led approach, *The Physics Book* sets out more than 80 of the key concepts and discoveries that have defined the subject and influenced our technology since the beginning of time. With the focus firmly on unpacking the thought behind each theory—as well as exploring when and how each idea and breakthrough came about—five themed chapters examine the history and developments in specific areas such as

Light, Sound, and Electricity. Eureka moments abound: from Archimedes' bathtub discoveries about displacement and density, and Galileo's experiments with spheres falling from the Tower of Pisa, to Isaac Newton's apple and his conclusions about gravity and the laws of motion. You'll also learn about Albert Einstein's revelations about relativity; how the accidental discovery of cosmic microwave background radiation confirmed the Big Bang theory; the search for the Higgs boson particle; and why most of the universe is missing. If you've ever wondered exactly how physicists formulated—and proved—their abstract concepts, *The Physics Book* is the book for you.

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.

Evolution Penguin

Have you ever wondered what makes electricity? Or what's inside an atom? Or how high the Moon really is? Or what light is made of and why you need it? The STEAM team provides all the answers in this colorful, fact-packed, and informative book, explaining more than 100 key STEAM concepts in a clear way that will appeal to children aged five and above. This is the perfect visual introduction to the key concepts children need to know about all things STEAM. Each topic is explained using illustrated characters that represent science, technology, engineering, art, and maths. The second book in The STEAM Team series, *The STEAM Team Explains* is an essential read for young STEAM fans.

The Steam Team Explains
Dorling Kindersley Ltd

Put your safety goggles on and enter the fascinating world of science with this visually stunning encyclopedia. Presenting the wonders of science as never seen before, from the latest technologies for breathing underwater and growing food in space, to the

advances in medicines and robotics. Explore groundbreaking scientific achievements, and think beyond basic biology, chemistry and physics. Here's what you'll find inside:

- An encyclopedia-type reference book that engages and excites young minds to think about many different scientific fields.
- Lively, informative and accessible text based on the latest discoveries and scientific research.
- Dashboard-style graphic panels provide information at a glance.

Help mould young scientific minds This science book for kids is perfect for children age 9 and up, and for anyone who loves to learn about the latest in science and technology. It includes jaw-dropping photography and revealing computer-generated images to supplement the interesting facts, information and diagrams. SuperScience examines the science behind everyday life and the technologies that allow us to create the world

previously only imagined in science fiction. It features a wide range of scientific inventions that help us solve modern problems like climate change and global pandemics. More in the series! Our Super series has a range of superb visual encyclopedias for the young and the curious, with an array of stunning illustrations covering many fascinating topics. Complete your collection with SuperNature, SuperHuman, SuperShark, SuperBug or SuperEarth.