

## Forensic Science Dk Eyewitness Books

**Photographs and illustrations, along with case studies and interviews with forensic and police personnel, highlight a look at the art of forensic science and its applications in law enforcement. What is forensic science and how is it used to solve a crime? How do you know if a red stain is blood or ketchup, or whose blood it is? Can computers really recognise your face in a crowd? How do scientists decide how old bones are, and trace who they once belonged to? Explore the fascinating, and sometimes gory, world of forensics, where science helps crack the case. Learn why it is important to secure a crime scene, why fingerprints are critical clues, and how DNA sampling works. Find out how maggots can reveal how long someone has been dead, or how a single fabric fibre can lead to the murderer. From the scene of the crime to testing in the laboratory, you will get to know how all the clues are put together to tell a story and reveal the guilty person. Discover how methods have changed since the days of Sherlock Holmes, the latest technology in use today, and techniques of the future.**

**Discusses robots and their history, explaining the tasks robots are designed to do, such as perform delicate surgical operations, clean city sewers, and work as museum tour guides.**

**A visual and informative guide to fossils, now revised and updated in the relaunched DK Eyewitness Books format. Get up close and personal and be an eyewitness to our prehistoric world through fossilized shells, skulls, teeth, plants, and, of course, skeletons with DK Eyewitness Books: Fossil. Discover the most precious fossils in the world; see how fossils form; find out how early historians and scientists used fossils; and learn how you can become a paleontologist with the included fossil guide. Now available for the first time in paperback, DK Eyewitness Books: Fossil unlocks our prehistoric world. Series Overview: Each revised Eyewitness book retains the stunning artwork and photography from the groundbreaking original series, but the text has been reduced and reworked to speak more clearly to younger readers. Still on every colorful page: vibrant annotated photographs and the integrated text-and-pictures approach that makes Eyewitness a perennial favorite of parents, teachers, and school-age kids.**

**The Science of Crime Scene Investigation**

**Discover the Groundbreaking Methods Scientists Use to Solve Crimes**

**GIANTmicrobes--Cells Coloring Book**

**Solve This! Forensics**

**A Beginner's Guide**

**An Under-the-Hood, Behind-the-Dash Look at How Cars Work**

How do scientists solve mysteries? With forensics! Every crime scene contains forensic evidence that helps investigators discover exactly what happened. Forensics is the science of gathering and examining information about a past event, usually to solve a crime or legal problem. In Forensics: Cool Women Who Investigate, children ages 9 through 12 learn about this fascinating field and meet three women who are succeeding in their chosen profession of forensics. Christine Gabig-Prebyl is a forensic scientist with Douglas County Sheriff's Office, Krishna Patel is a Forensic Supervisor with the Torrance Police Department, and Jessica Frances Lam is a researcher at England's University of Leicester INTREPID Forensics Programme. Forensics combines high-interest content with links to online primary sources and essential questions that further expand kids' knowledge and understanding of a topic made popular by TV shows, movies, and books. Compelling stories of real-life forensic scientists provide role models that readers can look toward for examples of success. Nomad Press books in the Girls in Science series supply a bridge between girls' interests and their potential futures by investigating science careers and introducing women who have succeeded in science.

In the wake of the phenomenal success of crime shows like CSI, forensic science has never been so popular. The obsessive attention that Grissom and his crew afford seemingly insignificant details, such as particles of dirt in a bullet wound and the presence of pollen in tyre tracks, have left audiences eager to know more about this field of study. In this fully revised and updated edition, real-life examples come under the scalpel as forensic scientist Jay Siegel follows the course of evidence all the way from the crime scene to the court judgement. In Forensic Science: A Beginner's Guide, all major areas are covered, including drugs, trace evidence, pathology, entomology, odontology, anthropology, crime scene investigation and the law.

Photographs and text depict the many different kinds of reptiles, their similarities and differences, habitats, and behavior.

Welcome to the Second Edition of the best selling book Forensic Science Crime Scene Analysis. The Second Edition has been completely revised, updated and greatly expanded. It is now more than twice the size of the original book with extra sections on forensic photography, blood spatter analysis, trace evidence, impressions, ballistics, bomb-making, explosives, toxicology, digital evidence, search warrants, forensic computer investigation, DNA testing and advances, Miranda rights, police interrogation techniques, and the law relating to the admissibility of confessions. There is also a much extended Glossary and complete new chapters on the Admissibility of Expert Evidence and Criminal Law Evidence. So, just how accurate are TV crime programs like CSI? Apparently, they are far removed from reality and mask the clear division of labor which exists between crime scene investigators and law enforcement officers. The first part of the book deals with crime scene analysis, what happens at a crime scene, or what's supposed to happen and covers every aspect of crime scene investigation. The second part is an introduction to forensic science and deals with such diverse topics as fingerprints, firearms, computers, autopsies, forensic pathology, poisons, the identification of decaying bodies and skeletons, cranio-facial reconstruction, serology, fraud, DNA and cyber crime. But perhaps the most enjoyable chapter is the tongue in cheek one entitled Committing the Perfect Crime. A perfect book for law enforcement officers, criminal lawyers, crime writers and basically anyone interested in crime.--Back cover.

A Dictionary of Forensic Science

FORENSICS

Discover what makes you you

Discover the Groundbreaking Methods Scientists Use to Solve Crimes—from Fingerprinting to DNA Sampling

How to Be Good at Science, Technology and Engineering Grade 2-5

Forensic Science

"Science experiments for children that help them learn to solve problems"--

Take a detailed look at the fascinating world of robots - from the earliest single-task machines to the advanced intelligence of robots with feelings. Young readers will be amazed to learn all that robots can do: perform delicate surgical operations, clean city streets, and even battle each other in combat. Find out how humans have created these mechanical minds and bodies. The most trusted nonfiction series on the market, Eyewitness Books provide an in-depth, comprehensive look at their subjects with a unique combination of text and pictures.

From the earliest times people have been driven by a desire to communicate, share experiences and entertain. Begining with simple smoke signals and ending with the latest telepathic implants media charts the fascinating story of how information is passed on. Alphabets led to the birth of the written word and eventually to printed books. In this century television has given us a window on the world and newspapers have kept us up-to-date with today's events. Now the digital revolution sends our messages across the globe and the Internet provides instant access to vast amounts of information. All these media transmit information so fast that the world is becoming a global village. Written by Cliff Gifford, science writer and author of many children's books this is a unique and exciting look at the world of media.

It's inside every living plant and animal, from the tiniest seed to the person standing next to you, but how much do you know about DNA? From why we have different coloured eyes to why we age, this book gives children an in-depth look at DNA and its role in what DNA is, what it does, and how it shapes our lives, including inheritance and why we look like our parents; forensic science and how DNA evidence helps catch criminals; and how genetic engineering could theoretically bring dinosaurs back to life. With fun facts, clear diagrams, and fascinating photographs, children will love learning about themselves and this all-important molecule. The DNA Book is packed with colourful illustrations and mind-boggling facts, a great addition to any STEAM library. Perfect for curious young minds, this is an ideal introduction to the amazing science of genetics, and what makes you you.

Mammoth Science

50 Key Topics Revealing Criminal Investigation from Behind the Scenes, Each Explained in Half a Minute

DKfindout! Elementary Science Pack

DK Eyewitness Books: Computer

Robot

Elephant

**Explore volcanic rocks, shiny gemstones, colorful minerals, ancient marble, and fallen meteorites and find out how they all came to be. From rough rocks to glittering crystals and everything in between, this stunning collection of facts and photos leaves no stone unturned. Did you know that every rock is a combination of one or more minerals? And that marble was first used in ancient Greece but still forms deep underground as you read this? Or that vibrant paints can be made from minerals, while some precious metals can grow in twisting shapes? Almost 20,000 meteorites land on our planet every year, but what does a space rock actually look like? Find out how to spot minerals and fossils, discover how crystals grow, and what you need to start your own collection. Part of the best-selling Eyewitness series, which is now getting an exciting makeover, this popular title has been reinvigorated for the next generation of information-seekers and stay-at-home explorers. New photography makes the rocks and minerals pop, revealing their color and texture, while the text gives all the facts and data to turn budding rock collectors into experts.**

**Shows how the latest methods of scientific detection are used to uncover the truth about a crime scene, and to reveal how crimes were committed, explaining the techniques and equipment used by forensic investigators.**

**This new dictionary covers a wide range of terms used in the field of forensic science, touching on related disciplines such as chemistry, biology, and anthropology. Case examples, figures, and photographs make it the ideal reference for students and practitioners of forensic science, as well as those with an interest in forensic science.**

**PLEASE NOTE - this is a replica of the print book and you will need a pen and paper to complete the exercises. STEM subjects are where the future's at. Now you can be a science superstar with this colorful practice ebook. Are you a budding Einstein? Or do you need a little more help to avoid falling behind in science class? DK's How to be Good at Science, Technology, and Engineering course book for children aged 7-14 now has two accompanying workbooks: Workbook 1 covers ages 7-11 and Workbook 2 covers ages 11-14. These workbooks will help to cement everything you need to know about "STE" subjects through practice questions and practical exercises. Easy-to-follow instructions allow you to try out what you've studied, helping you understand what you've learned in school or giving extra revision practice before that important test. Workbook 2 is aimed at children aged 11-14 (Grades 6, 7, and 8 in the US), and covers all the key areas of the school curriculum for this level, including genes and DNA, atoms and molecules, chemical reactions, the periodic table, heat transfer, electricity and magnetism, seasons and climate zones, and lots more. And there are answers at the back to check that you're on the right path. This engaging and clear workbook accompanies DK's How to be Good at Science, Technology, and Engineering coursebook, but can also be used on its own to reinforce classroom teaching.**

**Life**

**DK Eyewitness Books: Media and Communication**

**The Forensic Casebook**

**Forensics**

**Viking**

**Super Science and Curious Capers for the Daring Detective in You**

**Crime scene investigation is hotter than ever, and kids everywhere will love learning about how their favorite detectives use science to figure out unsolvable thefts, arsons, mysteries, and more. CSI Expert!: Forensic Science for Kids includes more than 25 in-depth activities on fingerprinting, evidence collection, blood-stain identification, forensic careers, ballistics, and much more. The author of the best-selling Crime Scene Detective series combines more than a decade of experience teaching forensic science to middle school students with the latest technology and research in criminal investigations in the intriguing standards-based scientific study included in CSI Expert! Students will love collecting dental impressions, studying their classmates' fingerprints, looking at tool marks left at the scene of the crime, analyzing mysterious powders, and discovering the various types of counterfeit checks. Each lesson includes a realistic case for students to crack using the knowledge they've learned about analyzing forensic evidence, and the book also includes an assessment assignment that teachers can employ to test their students' learning. Both kids and teachers will be able to easily implement the book's hands-on, detailed, and exciting forensic science experiments using everyday materials. After completing these activities, kids will be begging for more fun science learning! Grades 5-8**

**PLEASE NOTE - this is a replica of the print book and you will need paper and a pencil to complete the exercises. STEM subjects are where the future's at. Now you can be a science superstar with this colorful practice ebook. Are you a budding Einstein? Or do you need a little more help to avoid falling behind in science class? This workbook will help cement everything you need to know about "STE" subjects through practice questions and practical exercises. Easy-to-follow instructions allow you to try out what you've studied, helping you understand what you've learned in school or giving extra study practice before that important test. Aimed at children aged 7-14 (Grades 2 and up), the ebook covers all the key areas of the school curriculum, including how science works, life, matter, energy, forces, and Earth and space. And there are answers at the back to check that you're on the right path. This workbook accompanies the How to Be Good at Science, Technology, and Engineering coursebook, but can also be used on its own.**

**Clearly explained engineering concepts and fun, simple projects give kids ages 7-9 the chance to put their STEAM knowledge to the test! Teach kids to think like an engineer! The engaging projects in this book will encourage kids to investigate using items from around the house. Build a robot arm out of rulers; learn about jet propulsion with balloons; crush toilet-paper rolls to explore materials; and much more. Read about how engineers use STEAM subjects and their imaginations to think critically and solve problems. Be inspired by engineering heroes such as Leonardo da Vinci, Mae Jemison, and Elon Musk. Fun questions, engineering experiments, and real-life scenarios come together to make engineering relevant. In How to Be an Engineer, the emphasis is on inspiring kids, which means less time at a computer and more time exploring in the real world.**

**The most trusted nonfiction series on the market, Eyewitness Books provide an in-depth, comprehensive look at their subjects with a unique integration of words and pictures. A fascinating look at the tools and techniques used by forensic scientists in solving crimes-from fingerprint analysis to DNA testing.**

**UNCOVER THE SCIENCE AND TECHNOLOGY OF CRIME SCENE INVESTIGATION**

**Discover the History and Science Behind the Technology That Drives Our Digital World**

**The DNA Book**

**Hurricane and Tornado**

**See How It's Made**

**Crystal & Gem**

**What is forensic science and how is it used to solve a crime? Explore the fascinating, and sometimes gory, world of forensics, where science helps crack the case. How do you know if a red stain is blood or ketchup, or whose blood it is? Can computers really recognize your face in a crowd? Why are fingerprints so important in an investigation? Learn why it is critical to quickly secure a crime scene, and how DNA sampling works. Find out how maggots can reveal how long someone has been dead, or how a single fabric fiber can lead to the murderer. From the scene of the crime to testing in the laboratory, you will get to know how all the clues are put together to tell a story and reveal the guilty person. Discover how methods have changed since the days of Sherlock Holmes, the latest technology in use today, and techniques of the future. Flip to the reference section to learn about pioneers in the field, see a timeline of forensic firsts, and locate museums and special websites to visit for further inspiration and exploration. The glossary gives you all the vocab you need to sound like a real CSI expert.**

**Help your child learn about Vikings with the new edition of this fact-packed guide and dedicated website From the magnificent ships Vikings were buried in to the places Viking traders found silk, spices and fur; let your child explore the story of the Vikings - their ships, weapons, legends and sagas of war and discovery. They'll discover more about Vikings by downloading 100s of amazing images. Then use the giant pull-out wallchart to decorate their room. Great for projects or just for fun, ensure your child learns everything they need to know about Vikings. With dedicated website [www.ew.dk.com](http://www.ew.dk.com).**

**Photographs and artwork chronicle three thousand years of Chinese history, from the earliest dynasty to the twentieth century, and examine some of the contributions China has made to the world.**

**Humanity's most appalling crimes are solved by experts presenting painstakingly gathered evidence to the court of law. Investigators rely on physical, chemical and digital clues gathered at the scene of an incident to reconstruct beyond all reasonable doubt the events that occurred in order to bring criminals to justice. Enter the forensic team, tasked with providing objective recognition and identification and evaluating physical evidence (the clues) to support known or suspected circumstances. Far from the super-sleuths of fiction, the real-life masters of deduction occupy a world of dogged detection, analysing fingerprints or gait, identifying traces of toxins, drugs or explosives, matching digital data, performing anatomical dissection, disease diagnosis, facial reconstruction and environmental profiling.**

**DK Eyewitness Books: Forensic Science**

**How to Be Good at Science, Technology and Engineering Grade 6-8**

**Crime Scene Analysis**

**The Ultimate Guide to Forensic Science**

**Great Scientists**

**DK Eyewitness Books: Fossil**

**Top Gear's Richard Hammond is in the driving seat for this turbo-charged tour through the nuts and bolts of car technology. Underneath the hood of every car there's a lot of fast, furious, and spectacular science going on. G-force, combustion, power: you name it, a car's got it. Help your child discover all about the science of cars with this explosive tour of automobiles in Car Science. Find out how cars revolutionized the world and see how a car functions with jaw-dropping diagrams, cutaway drawings and cool graphics. Steer to the fundamental science behind the mechanics and then sit back for an exciting look into the future of minimal emissions, maximum fun.**

**With striking images, models, and illustrations, this visually-led reference e-guide offers a unique view of catastrophic weather conditions. See inside the eye of a cyclone, witness hailstones the size of tennis balls, and learn how a gentle mountain stream can become a raging surge within a few minutes. From full-page color photographs to helpful diagrams, from polar regions to the tropics, Eyewitness Hurricane & Tornado shows the disastrous effects of nature's most extreme weather events. Discover a bridge that collapsed due to severe gusts of wind, and learn about a tree species in southwest Africa that can survive several years of drought. Along the way you'll uncover historical items that reveal how ancient civilizations predicted the weather as well as the weather-forecasting techniques that have developed over the centuries and the ways in which human activity can cause weather patterns to change. Each revised Eyewitness book retains the stunning artwork and photography from the groundbreaking original series, but the text has been reduced and reworked to speak more clearly to younger readers.**

**The vibrant annotated photographs and the integrated text-and-pictures approach make Eyewitness a perennial favorite of parents, teachers, and school-age kids.**

**Forensics: Uncover the Science and Technology of Crime Scene Investigation introduces students to the fascinating world of forensic science and shows them how to find clues, analyze evidence, and crack the case. Combining hands-on activities with forensic science, kids will have fun learning about the world of forensics, evidence collection, and crime lab analysis.**

**Entertaining illustrations and fascinating sidebars illuminate the topic and bring it to life, reinforcing new vocabulary. Projects include documenting a crime scene, identifying fingerprints, analyzing blood spatter, and extracting DNA. Additional materials include a glossary and a list of current reference works, websites, museums, and science centers.**

**Discusses elephants, their physiology, behavior, evolution, relatives, uses by humans, and conservation.**

**Brain Games Crime Scene Investigations: There's No Such Thing as the Perfect Crime. Gather the Clues & Crack the Case**

Discover the Fascinating Methods Scientists Use to Solve Crimes

CSI Expert!

Forensic Science for Kids (Grades 5-8)

The Essentials of Forensic Science

Discover the Amazing World of Machines, from Robots That Play Chess to Systems That Think

Forensic science has been variously described as fascinating, challenging and even frightening. If you have only a vague concept of what forensic science is, this book will provide the answer. Aimed at non-scientists, or those with limited scientific knowledge, Crime Scene to Court covers all three main areas of an investigation where forensic science is practised, namely the scene of the crime, the forensic laboratory and the court. Coverage includes details of how crime scene and forensic examinations are conducted in the United Kingdom, the principles of crime scene investigations and the importance of this work in an investigation, and courtroom procedures and the role of the expert witness. The latest methods and techniques used in crime scene investigation and forensic laboratories are reported, cases are presented to illustrate why and how examinations are performed to generate forensic evidence and there is a bibliography for each chapter which provides further material for those readers wishing to delve deeper into the subject. This revised and updated edition also includes coverage on changes in professional requirements, the latest developments in DNA testing and two new chapters on computer based crimes and Bloodstain Pattern Analysis. Ideal for those studying forensic science or law, the book is intended primarily for teaching and training purposes. However, anyone with a role in an investigation, for example police, crime scene investigators or indeed those called for jury service, will find this text an excellent source of information.

Help your child learn about forensic science with this fact-packed guide! From how faces can be reconstructed to analysing DNA: let your child discover the remarkable ways in which forensic detectives can solve even the most baffling of cases.

Great for projects or just for fun make sure your child learns everything they need to know about forensic science.

DK Eyewitness Great Scientists is an exciting and informative guide to the fascinating lives of the world's most famous thinkers, philosophers, inventors, innovators and pioneers. Stunning photographs offer a unique "eyewitness" view of the ideas and innovations that have changed the way we live today. Your child will discover all about Benjamin Franklin's electrical charges, Albert Einstein's theory of relativity and the many others whose discoveries have shaped our world. Great for projects or just for fun, make sure your child learns everything they need to know about Great Scientists. Find out more and download amazing clipart images at [www.dk.com/clipart](http://www.dk.com/clipart).

This puzzle collection contains a mix of verbal and visual puzzles themed around crime scene investigation. Match fingerprints, see what you remember about crime scenes, detect visual anomalies, solve verbal puzzles related to crime, and search for solutions.

The Big Ideas That Explain Our World

Eyewitness Forensic Science

Cool Women Who Investigate

Crime & Detection

From Crime Scene to Court

30-Second Forensic Science

An exploration of animal, human, and plant life covers such diverse topics as DNA, cell division, and photosynthesis.

You probably pick up a pencil every day: but have you ever wondered how it 's actually made? From chocolate bars to violins, See How It 's Made lifts the lid on all kinds of everyday objects, foods and toys, revealing the amazing ways they are designed and manufactured.

Venture behind the scenes right into the heart of busy factories to see the step-by-step processes that turn sand into glass, give a football its bounce and squeeze toothpaste into a tube. You 'll even find out how this book was put together!

Eyewitness Computer gives readers an up-close look at the machines that have come to define the modern world. From laptops to supercomputers, this book uses clear, crisp photography and engaging text to explain how computers work, the functions they serve, and what they might do in the future.

A discounted bundle for educators that includes five elementary science titles from the DKfindout! series-Animals, Earth, Energy, Human Body, and Science-and access to supporting curriculum resources on the DKfindout! website. Perfect for use by teachers with children ages 5-10, the DKfindout! Elementary Science Pack provides access to: Print and digital information resources for both offline and online methods of learning Engaging, high-quality content aligned to curriculum Teacher lesson sequences and planning This pack contains high-quality, accessible nonfiction ebooks that focus on topics tied to curriculum and aligned with Next Generation Science Standards. In the true DK way, the DKfindout! series is characterized by highly visual and colorful page layouts with a mix of photographs, diagrams, boxes, bursts, timelines, and short chunks of text that make information easily digestible and learning fun for kids. But this pack makes things easy for you, the teacher, too. With instructions on how to obtain access to six free learning pathways-each outlining between eight and twelve lessons written by an experienced educator-and at-home support materials for guardians with additional activities and experiments, this pack serves as an affordable, one-stop resource for several weeks of teaching. And the free-to-use, child-safe encyclopedic DKfindout! website allows both you and your students to take learning even further with more fascinating topics, more amazing images, and more interactive quizzes. The DKfindout! Elementary Science Pack will make your next set of science lessons easy to implement and even more fun for your students, whether you're teaching remotely, in person, or homeschooling your own children. Once you have completed and received your purchase, head to the DKfindout! website and create a teacher account to get started.

Car Science

Crime Scene

Ancient China

Rocks and Minerals

DK Eyewitness Books: Robot

The friendly cells of GIANTmicrobes(r) offer fascinating close-ups of their microscopic worlds inside the brain, nerves, muscles, and other body parts. All illustrations are accompanied by captions and loaded with fun facts.

Explores the many different methods used to solves crimes, covering such topics as criminal, detectives, and forensics.

Forensic ScienceDiscover the Fascinating Methods Scientists Use to Solve CrimesDK Children

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 a X-ray machine to reveal the bones beneath their woolly exterior.

How to Be an Engineer

Reptile