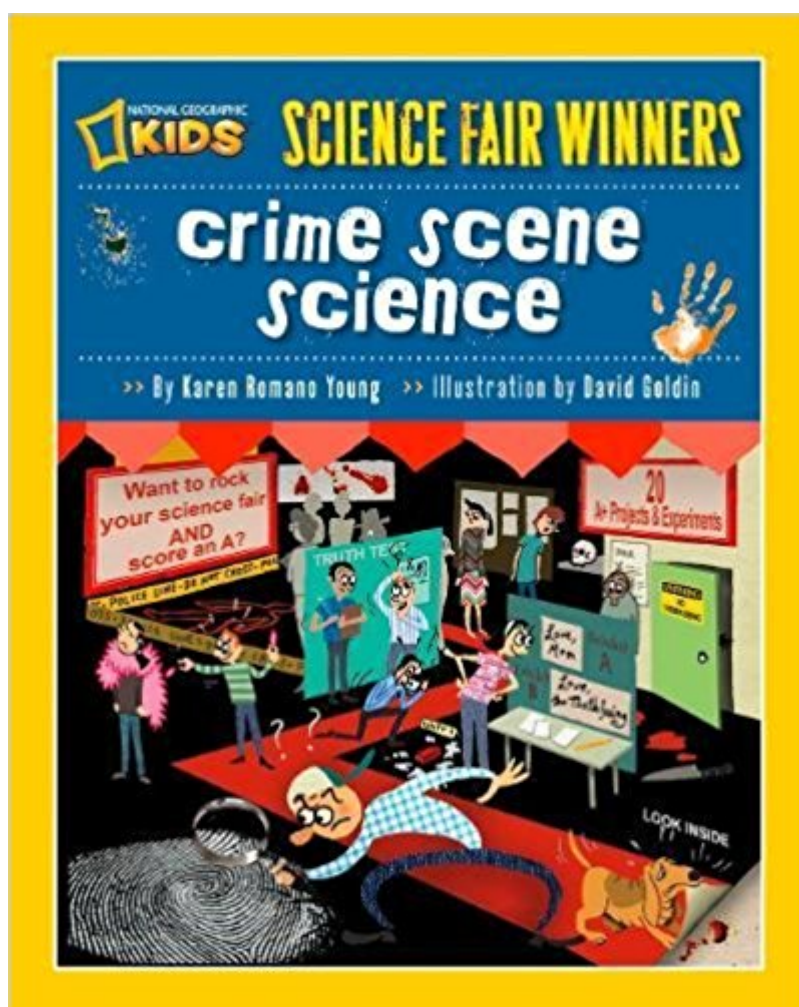


The book was found

Science Fair Winners: Crime Scene Science: 20 Projects And Experiments About Clues, Crimes, Criminals, And Other Mysterious Things





Synopsis

Crime Scene Science that puts you inside the head and the toolbox of modern-day experts in crime solving. Slip under the yellow crime-scene tape to conduct your own experiments: you'll soon be detecting, inspecting, and connecting the dots of forensic science.

Investigate rates of human decomposition; find out what makes fingerprints unique; identify handwriting traits; and discover the secrets of paper fiber analysis. Each workshop includes suggestions on effective presentation at science fairs, taking experiments one step further, and using science vocabulary correctly. Talk the talk, and walk the walk, your crime scene is this way,

Detective. National Geographic supports K-12 educators with ELA Common Core Resources. Visit www.natgeoed.org/commoncore for more information.

Book Information

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Customer Reviews

Karen Romano Young is very much a renaissance woman with interests as broad as the seven seas and as deep as the deepest trench in the deepest ocean, with a particular interest in anything oceanic. She is an author of many celebrated books for young readers, both fiction and nonfiction, some of which she also illustrated. Her interest in science experiments are an outgrowth of many successive years of science fair projects with her children. Karen and her family live in Connecticut.

As an author (and a kid at heart) this book has explained parts of CSI process I needed to know in a way I can understand. And the kids are going to have fun learning too.

My granddaughter really loves this book. She is really into science and always prepares science projects that win ribbons at the school science fairs. She is looking forward to using the ideas in this book for future science projects. I like to see my granddaughter happy and I like to see her do well. This book is accomplishing both purposes.

My daughters love reading this book and doing things out of it.

grandson liked it.

Purchased as a gift for my 12 yo g'son, he loves it.

If you are trying to think of something to do for a science fair project and are very interested in things like crime scene forensics, this just might be the perfect book for you to explore. There are twenty fascinating experiments that will provide you with many ways to explore the world of crime solving. You can learn how to lift fingerprints, analyze handwriting, cast footprints, map the scene of a crime, and even learn where a piece of mail comes from by the bar code across the bottom of a letter. There are so many interesting projects in this book you'll have trouble choosing which one you'll want to do. Each "experiment" will tell you the "lingo," what you'll equipment you'll need, an interesting vignette relative to the topic, the basic premise, how long the experiment will take you, the type of science involved (mathematics, physics, physiology, etc.), and whether or not you'll need an adult to assist you. For example, in the section "Facing the Truth" where you learn to "read split-second facial expressions," you first learn why detectives need to learn to read faces. It says there are "Forty-three facial muscles [that] are used to communicate." Then it gives you a plan of action. Do you think you can tell when someone is lying? Each experiment also gives you a very interesting website to learn more about the subject. This one refers you to a BBC science site where you can "distinguish fake and real smiles." It was a lot of fun, but I wasn't particularly good at spotting a fake. I was totally fascinated by some of the amazing experiments in this book. Mind you this book doesn't simply lay out experiments to copy, but rather asks the student to think and explore possibilities for science experiment displays. My favorite was the DNA Necklace where you can learn to extract your own DNA. This is one experiment that a whole classroom could do as not only a lesson in microbiology and genetics, but one that would be a LOT of fun for everyone. These experiments can be conducted in a one to ten day time frame. Many of these experiments do need

some adult involvement or supervision and some skills. For example, some of the additional skills needed are the ability to use a spreadsheet program, math skills for graphing, creating a formula or determining a ratio. This is not the type of book you simply open up and everything is done for you. This is a very well written book that will give the reader hours of fun and intrigue. I would say the skill levels range from easy to medium difficulty. If you or a youngster in your life enjoy checking out the scene of the crime the scientific way, this is the perfect book for you!

This is an invaluable resource for kids and parents. You'll be inspired and enthused by the many easy to grasp ideas and principal--especially suitable for kids. Instead of the same old electrocuted hot dog, delve into the world of forensics and try new projects that stimulate interest and curiosity. A very hands on way to experience methods used to solve crimes.

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