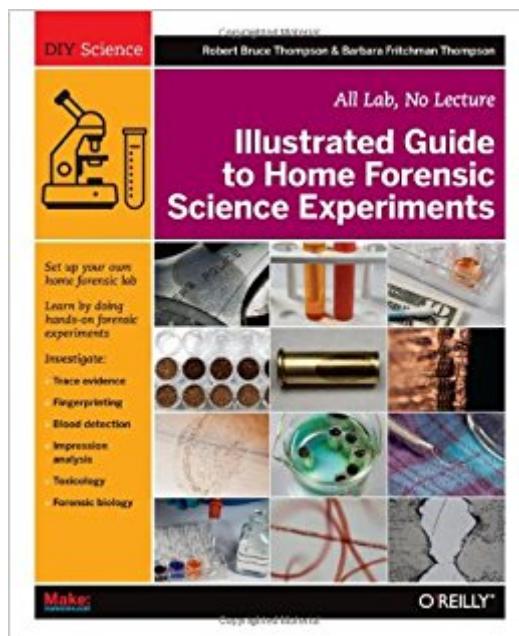


The book was found

Illustrated Guide To Home Forensic Science Experiments: All Lab, No Lecture (Diy Science)



Synopsis

Have you ever wondered whether the forensic science you've seen on TV is anything like the real thing? There's no better way to find out than to roll up your sleeves and do it yourself. This full-color book offers advice for setting up an inexpensive home lab, and includes more than 50 hands-on lab sessions that deal with forensic science experiments in biology, chemistry, and physics. You'll learn the practical skills and fundamental knowledge needed to pursue forensics as a lifelong hobby—or even a career. The forensic science procedures in this book are not merely educational, they're the real deal. Each chapter includes one or more lab sessions devoted to a particular topic. You'll find a complete list of equipment and chemicals you need for each session. Analyze soil, hair, and fibers Match glass and plastic specimens Develop latent fingerprints and reveal blood traces Conduct drug and toxicology tests Analyze gunshot and explosives residues Detect forgeries and fakes Analyze impressions, such as tool marks and footprints Match pollen and diatom samples Extract, isolate, and visualize DNA samples Through their company, The Home Scientist, LLC (thehomescientist.com/forensics), the authors also offer inexpensive custom kits that provide specialized equipment and supplies you'll need to complete the experiments. Add a microscope and some common household items and you're good to go.

Book Information

Age Range: 9 and up

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Customer Reviews

Title: Illustrated Guide to Home Forensic Science Experiments Authors: Robert Bruce Thompson

and Barbara Fritchman Thompson Publisher: O'Reilly Media Inc ISBN: 978-1-449-33451-2 Are you the type of person that loves television shows on forensic experiments and always wanted to know how to do them yourself, in your own home, sometimes using simple household products? Here is your chance to learn and do your own experiments with detailed instructions in Robert B. Thompson and Barbara Fritchman Thompson's "Illustrated Guide to Home Forensic Science Experiments." This four hundred and twenty five page over-sized paperback in textbook format is ideal for the home school parent or public school teacher to be used as the basis of an academic, lab-based course on forensic science. With its all-lab, no-lecture structure, the book is broken down into eleven laboratory divisions that include list of materials, steps to do and review questions that involve over fifty scientific experiments. Besides bold red warning sections regarding safety issues performing the projects throughout each chapter, the end of the book has almost twenty pages of index. Included is an online reference website for further questions, purchasing kits and other chemicals and necessary products along with listings where items can be found commercially and locally. The beginning of the book states that most current forensic work today is still done with the same procedures scientists used one hundred years ago so forensic tasks can be easily adapted by the do-it-yourself responsible teenager or adult hobbyist or enthusiast at home. Thus each descriptive venture can easily be understood and followed, producing results one can learn and record.

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