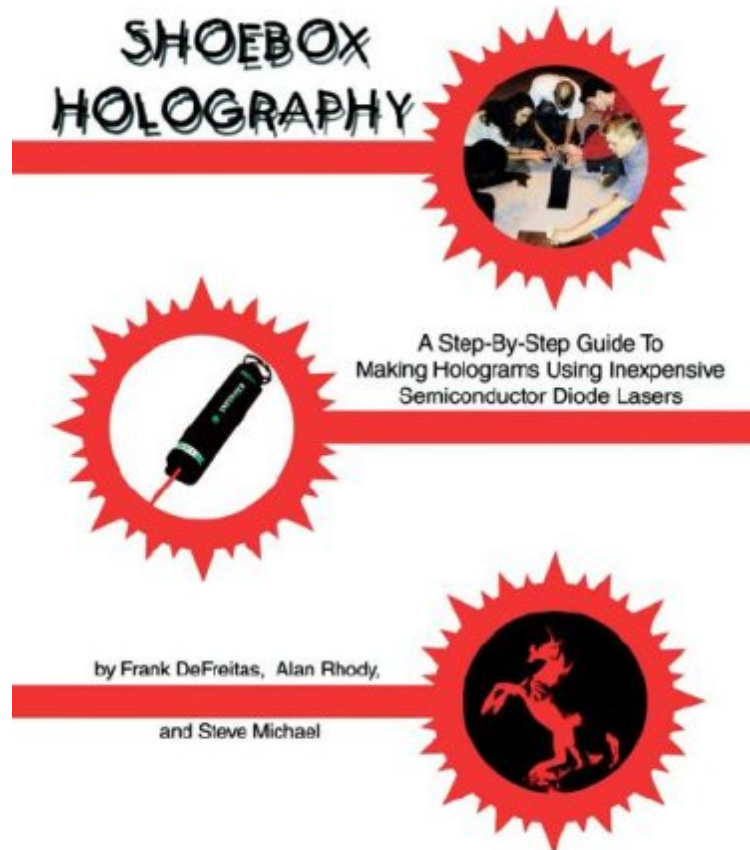


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Shoebox Holography: A Step-By-Step Guide to Making Holograms Using Inexpensive Semiconductor Diode Lasers

Frank DeFreitas, Steve Michael
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Frank DeFreitas, Steve Michael : Shoebox Holography: A Step-By-Step Guide to Making Holograms Using Inexpensive Semiconductor Diode Lasers before purchasing it in order to gage whether or not it would be worth my time, and all praised Shoebox Holography: A Step-By-Step Guide to Making Holograms Using Inexpensive Semiconductor Diode Lasers:

0 of 0 people found the following review helpful. as expectedBy Customer: Ron2nd copy; already have it somewhere31 of 33 people found the following review helpful. A EDUCATOR"S DREAMBy william pughI have used this book personally, I have used it in my high school Communications Technology lab, and it works. After reading the book, and introducing the world of Shoebox Holography to my student, it was like a DREAM COME

TRUE. The students are not only learning how to make holograms but it is the knowledge they learn from the process. The Science, Math, and Technology they learn, from the process, becomes MEANINGFUL to them. This book not only covers the process of holography it also goes into great detail of laser and fiber optic technology. It excites all levels of high school students and they actually run to class to make their holograms. It has also been useful to build teamwork in the classroom. By creating teams they learn to work, communicate, and rely on each others abilities. The book has illustrations and photos that explain the concept along with the written directions. I have been teaching for 23 years and this is the best classroom tool I have seen in years. I am going to order classroom sets, of this book, for my students to use in their studies. I highly recommend this book. 24 of 26 people found the following review helpful. An Awesome Book of Never Ending Information! By Jacob P. Dobisesky As a 12 year old first time science fair competitor, I was happy to achieve 1st place! My topic and information was taken from Mr. Frank DeFreitas' book. This book got me through the hard times of the project. It was so easy to navigate through the book, that I could find how to fix my problems immediately. The Shoe Box Holography Method was very easy to use but at the same time exerted a good amount of challenge. It gave the basic fundamental principles of making a hologram, and showed me a piece of the future which is not far away! After doing this project, I instantly wanted to know more, and by looking deeper into the book, I came across more advanced projects! I don't think I will outgrow this book for a while. It's information goes on forever! Lastly, I recommend this book for someone who wants an awesome science fair topic, a piece of the future, or to discover an exciting hobby! THANK YOU MR. FRANK DEFREITAS !

Shoebox Holography was developed with the aid of high school students. It describes in detail how to make a hologram using a simple inexpensive laser pointer. The book is intended as a science project for beginners. More serious students can buy the Holography Handbook which describes how to create a home studio for making holograms. Shoebox Holography has been used by numerous high schools as well as amateurs who are just getting started making holograms.

"I want to thank you for doing what we all should have done and simplifying the process by using the diode lasers." -- Ed Brown, Physics/Chemistry Teacher, Science Demonstrator, Science Center of Iowa "Shooting laser diode holograms will revolutionize the way students and educators are introduced to creating holograms." -- Otto E. Loggers, Education Coordinator, The Massachusetts Institute of Technology Museum "This book is excellent, you have touched on many little important details that others have not...." -- Jeffrey Murray, Professional Holographer and Holography Instructor