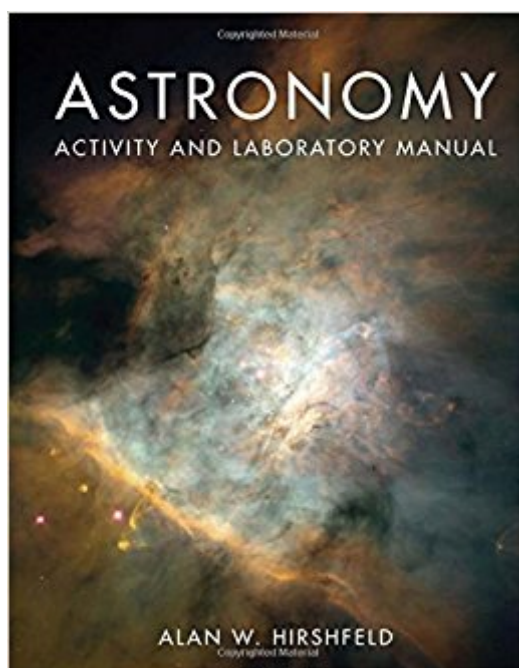


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Astronomy Activity And Laboratory Manual



Synopsis

Hirshfeld's Astronomy Activity and Laboratory Manual is a collection of twenty classroom-based exercises that provide an active-learning approach to mastering and comprehending key elements of astronomy. Used as a stand-alone activity book, or as a supplement to any mainstream astronomy text, this manual provides a broad, historical approach to the field through a narrative conveying how astronomers gradually assembled their comprehensive picture of the cosmos over time. Each activity has been carefully designed to be implemented in classrooms of any size, and require no specialized equipment beyond a pencil, straightedge, and calculator. The necessary mathematical background is introduced on an as-needed basis for every activity and is accessible for most undergraduate students. This learn-by-doing approach is sure to engage and excite your introductory astronomy students!

Book Information

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Customer Reviews

As a High School Honors Astronomy Teacher, this could have been a great lab/activity manual for my class. Unfortunately, I bought it in the kindle version thinking I could make copies more easily. Unfortunately that is just not the case. The formatting and layout mean that it is impossible to print. (I've attached photos to my review) I've resorted to retyping by hand different activities that are found in here so that I can make copies for my students. The kindle version is useless, please don't buy it. It will be a waste of money, I promise. Another small gripe I have with this is that certain pictures are removed because of "copyright restrictions." As somebody who spent nearly 50 dollars on a book, having important pictures that are part of activities removed is unacceptable. (Another

attached photo) It's only too bad I didn't notice this sooner, as I would have requested my money back. As it is, this book is unusable in its current state. I recommend looking elsewhere!

I teach college Astronomy. This lab manual is nicely written and contains useful information to present to students. The activities themselves are explained in a manner that makes them easy to tie into a lecture course or free standing lab. They are also useful in that they can be expanded upon. What I did not like about this lab manual was the Kindle format. It sucked! If I purchase a lab manual that has spaces to be written in, I should be able to write in them; or, at least type in them. This can't be done on the Kindle's format of this manual. Neither can anything from this manual be printed. IF you want a lab manual just for the reading, this is for you. If you want a lab manual that you can work in, print out pieces of, etc., don't purchase the Kindle version of this manual. You will be frustrated like me.

This book is really useful. I use it to teach an astronomy lab. The typical liberal arts or business students might find the math difficult. Try this book. In particular, do the chapter on Precision Astronomy After Galileo- Stellar Parallax, and you would see your students excited about measuring their fingers to do parallax. Also, try the lab Hubble's Law - In the Kitchen and the Universe, you would see your students asking a lot of questions about basic graphing techniques.

Came new and not damaged

pleased with this purchase

I have used this manual for the astronomy labs I have taught recently. It has an interesting historical approach to lab activities, starting with what prehistoric man could observe in the sky, and gradually moving on to modern developments in astronomy. There are 20 activities, and my students were able to cover all the activities in one 16-week semester. Some algebra background would be helpful, but is not necessary. All the trigonometry can be covered in 10-20 minutes, and is included in a one page appendix.

any answer keys?? does anyone have the answer key to this book? ill pay \$\$\$\$\$

Needed this for my astro class. I thought I was doing ok until I need to print the worksheet, since this

is a lab manual/workbook. One huge step backwards for ebook format, at least in the Kindle format. I'm sure this exists in other formats too, so better get the hard copy if you need to turn in the worksheets like I did

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