Hands-On Science Electricity and Magnets

By Sarah Angliss

Kingfisher. Paperback. Book Condition: New. Paperback. 32 pages. Dimensions: 9.8in. x 7.5in. x 0.3in. These giant books of projects and experiments take a hands-on approach to science concepts. Hundreds of simple and easy experiments explore various scientific principles behind natural phenomena like friction, centrifugal force, and the underlying laws of physics that help make machines work. These fun yet practical experiments make it easy for anyone to become a rocket scientist!

Help turn on light bulbs in young minds with this fun-filled exploration of electricity and magnetism. Arranged in a logical sequence to help young learners grasp how phenomena are related to one another. Topics like static electricity, currents, and magnetic domains have never been easier to tackle. With simple, step-by-step experiments that produce dramatic results, callouts with clear explanations of the scientific concept governing each experiment, scientific study has never been easier. This item ships from multiple locations. Your book may arrive from Roseburg, OR, La Vergne, TN. Paperback.

READ ONLINE
[ 1.14 MB ]

Reviews

A whole new e-book with an all new viewpoint. I could possibly comprehended every little thing using this created e pdf. I am just very happy to inform you that this is the greatest book i have read through within my own life and could be he best pdf for ever.
-- Hank Treutel

Comprehensive information! Its this type of very good read. It is written in basic words instead of hard to understand. You are going to like how the article writer compose this pdf.
-- Mabel Corwin
<table>
<thead>
<tr>
<th>See Also</th>
</tr>
</thead>
</table>
| **Preventing Childhood Eating Problems: A Practical, Positive Approach to Raising Kids Free of Food and Weight Conflicts**  
Book Condition: Brand New. |
| **Fun to Learn Bible Lessons Preschool 20 Easy to Use Programs Vol 1 by Nancy Paulson 1993 Paperback**  
Book Condition: Brand New. |
| **iPhone 6 iPhone 6s in 30 Minutes: The Unofficial Guide to the iPhone 6 and iPhone 6s, Including Basic Setup, Easy iOS Tweaks, and Time-Saving Tips**  
| **No Friends?: How to Make Friends Fast and Keep Them**  
| **A Smarter Way to Learn JavaScript: The New Approach That Uses Technology to Cut Your Effort in Half**  
A Treatise on Electricity and Magnetism is a two-volume treatise on electromagnetism written by James Clerk Maxwell in 1873. Maxwell was revising the Treatise for a second edition when he died in 1879. The revision was completed by William Davidson Niven for publication in 1881. A third edition was prepared by J. J. Thomson for publication in 1892. The treatise is said to be notoriously hard to read, containing plenty of ideas but lacking both the clear focus and orderliness that may have allowed it. If electricity produces magnetism, can magnets produce electricity? What you have just discovered in this experiment is that electricity can be generated by moving a wire through a magnetic field. This process is called electromagnetic induction. When an electrical wire cuts across magnetic lines of force, a current is produced in the wire. Some electric generators are very big and contain huge magnets so they can produce a lot of electricity. On the other hand, some generators contain small magnets and are small enough to hold in your hand. These small generators may produce only enough electricity to light one small light bulb. Provide Feedback. Purcell, Edward M. Electricity and magnetism / Edward M. Purcell, David J. Morin, Harvard University, Massachusetts. Third edition. pages cm ISBN 978-1-107-01402-2 (Hardback) 1. Electricity. 2. Magnetism. I. Title. QC522.P85 2012 537â€“dc23. Dielectrics The moments of a charge distribution The potential and field of a dipole The torque and the force on a dipole in an external field Atomic and molecular dipoles; induced dipole moments Permanent dipole moments The electric field caused by polarized matter Another look at the capacitor The field of a polarized sphere A dielectric sphere in a uniform field The field. Sarah Angliss has worked at the Science Museum in London, England organizing exhibitions and demonstrations for children ages 6-14. She has also written several children's books on applied and contemporary science. Maggie Hewson has taught science to elementary and middle school children for 23 years. Her present school is the recipient of the UK's Science School of the Year award. Product details. Grade Level : 2 - 3.