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Electricity Magnetism: Graphs of Physics Experiments for Independent Study Homeschool

By M Schottenbauer

Createspace, United States, 2014. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.This book contains graphs showing the current and voltage associated with electricity flowing through simple circuits with resistors and capacitors, powered by a 9 V battery and operated with a switch. Additional graphs explore current, voltage, and magnetic fields associated with inductor coils (transformers), including electromagnetic induction. The properties of a radio antenna and a simple circuit with LED light are also explored. These data can be used for lesson plans by teachers and parents. Bonus Material: The appendix features graphs of electrocardiogram (EKG) and electromyogram (EMG) reprinted from Walk, Jog, Run! The Science of Athletic Training by M. Schottenbauer, Ph.D., demonstrating the electrical activity found in the human body, as well as several graphs showing the magnetic fields associated with the human body and environment.



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