



Electricity: Principles and Applications (Basic skills in electricity and electronics)

By Richard J Fowler

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Part of the Basic Skills in Electricity and Electronics Series, Electricity makes the introduction to this discipline easy to understand. The program assumes no previous training in the subject; only arithmetic and an introduction to algebra are used in explanations and problems. The text begins with a coverage of the fundamentals of direct current. This leads to a unified presentation of subject generally associated with alternating currents. Throughout the text, concepts build from one chapter to another. This important feature enables students to develop a unified understanding of electricity and the applications of electricity.

A dedication to student learning is evident throughout the text. Every page features a vertical color bar that focuses on key words. Many illustrations with a unique four-color design highlight the most important elements. Short self-tests (with answers provided) are presented throughout the text to offer immediate reinforcement and build students' confidence. Another valuable feature is the summary of key concepts found at the end of each chapter. This new edition also includes performance objectives and critical-thinking questions for every chapter.

The Activities Manual offers a wide variety of hands-on applications, including experiments that emphasize practical aspects of troubleshooting. It also includes pretests and posttests, research projects, and construction projects.

The Instructor's Manual is designed to help you present a unified course. It contains answers to all problems in the text and representative data for all the experiments. New to this edition of the Instructor's Manual is a computerized test generator.

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Editorial Review

About the Author

Richard Fowler (Centennial, CO) MCSD, MCT, is President of Nugget Software, Inc. Richard has served as a Technical Architect, a Senior Analyst and a Senior Systems Manager in his previous positions and now provides custom software and support for the clients of Nugget Software, with a focus on VB and SQL Middle Tier Components, and VB controls.

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