

**Sint Maarten Institute of Science and Technology**  
*A leap forward into your future*

**OVERVIEW of methods to facilitate the curriculum.**

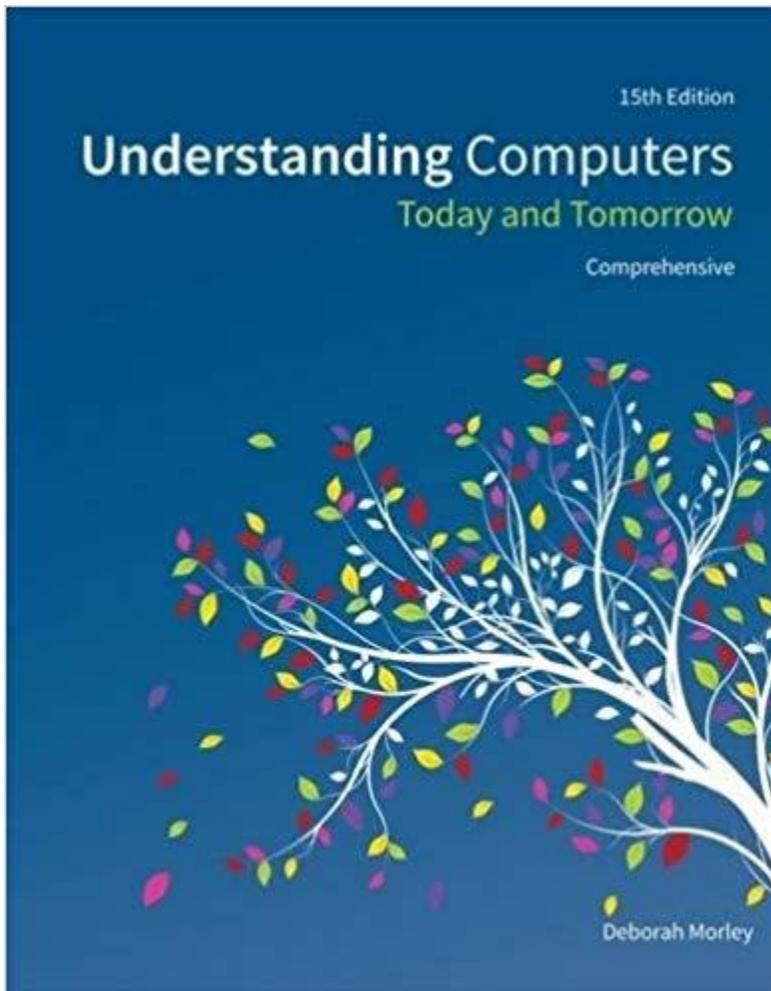
**Depending on new development, the methods/resources below might be updated**

Understanding Computers: Today and Tomorrow, Comprehensive 15th Edition

CODE: PCHS

ISBN-13: 978-1285767277

ISBN-10: 1285767276



Understanding Computers: “Today and Tomorrow” gives your students a classic introduction to computer concepts with a modern twist! Known for its emphasis on industry insight and societal issues, this text makes concepts relevant to today's career-focused students and has increased emphasis on mobile computing and related issues such as mobile commerce and mobile security.



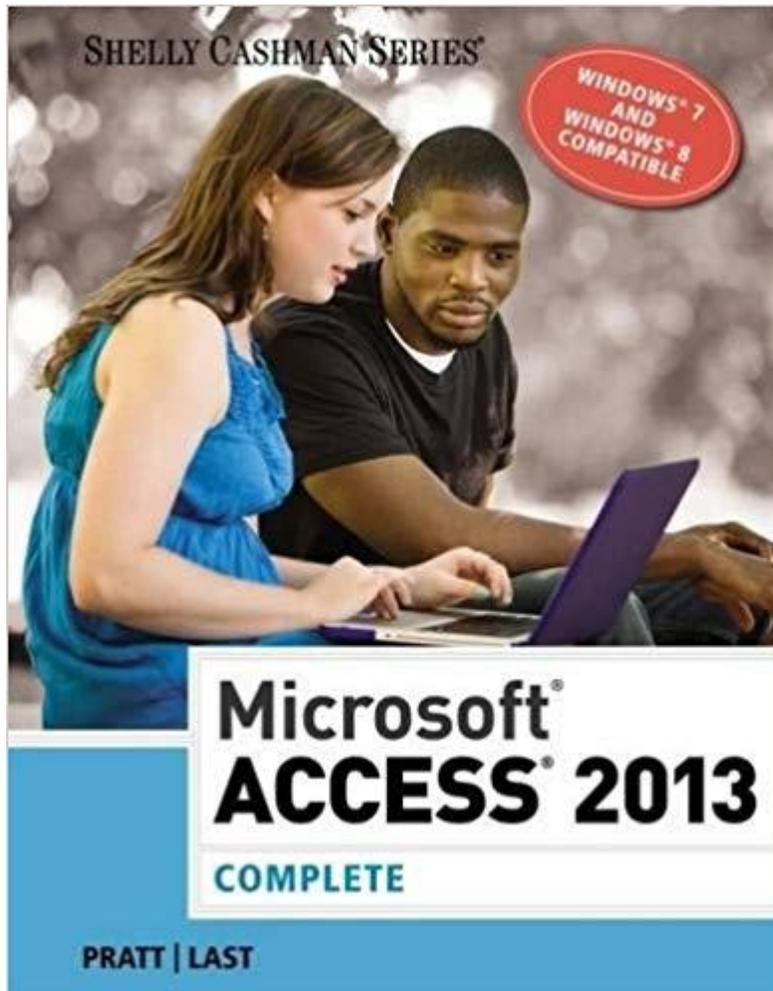
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Microsoft Access 2013: Complete (Shelly Cashman Series) 1st Edition

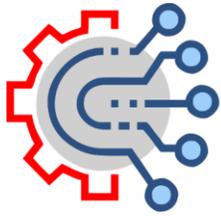
CODE: WDTE (I)

ISBN-13: 978-1285169071

ISBN-10: 1285169077

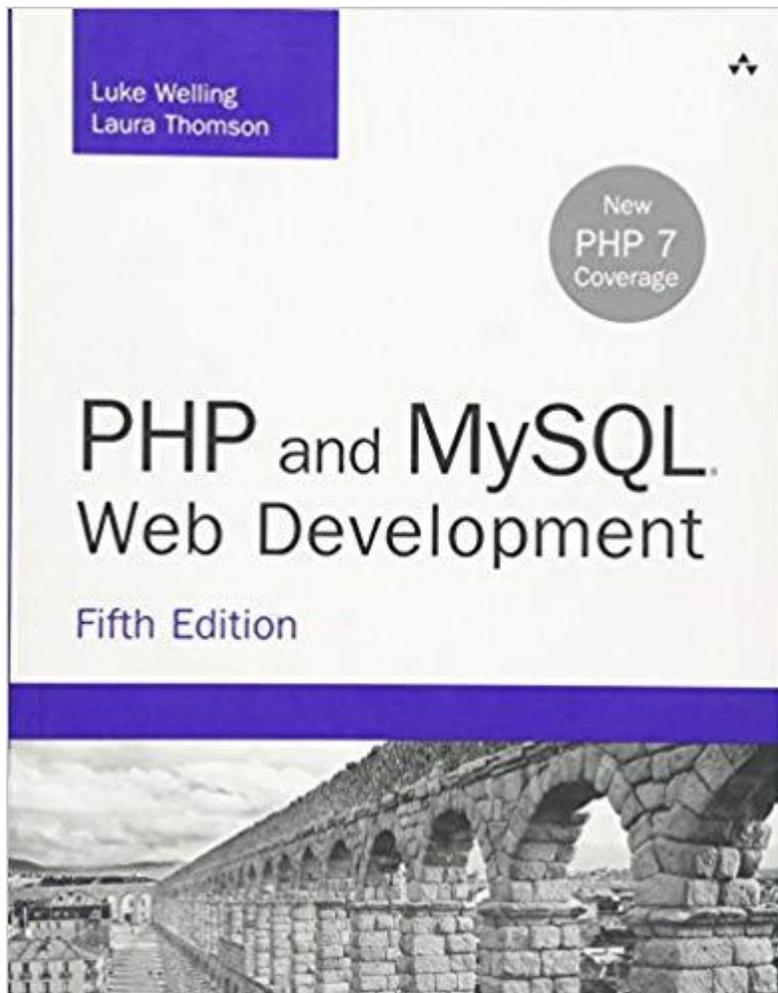


For the past three decades, the Shelly Cashman Series has effectively introduced computer skills to millions of students. With MICROSOFT ACCESS 2013, we're continuing our history of innovation by enhancing our proven pedagogy to reflect the learning styles of today's students. In this text you'll find features that are specifically designed to engage students, improve retention, and prepare them for future success.

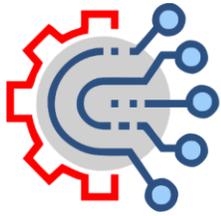


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PHP and MySQL Web Development (5th Edition) (Developer's Library)  
CODE: WDTE (II)  
ISBN-13: 978-0321833891  
ISBN-10: 0321833899



PHP and MySQL are popular open-source technologies that are ideal for quickly developing database-driven Web applications. PHP is a powerful scripting language designed to enable developers to create highly featured Web applications quickly, and MySQL is a fast, reliable database that integrates well with PHP and is suited for dynamic Internet-based applications. PHP and MySQL Web Development shows how to use these tools together to produce effective, interactive Web applications. It clearly describes the basics of the PHP language, explains how to set up and work with a MySQL database, and then shows how to use PHP to interact with the database and the server.



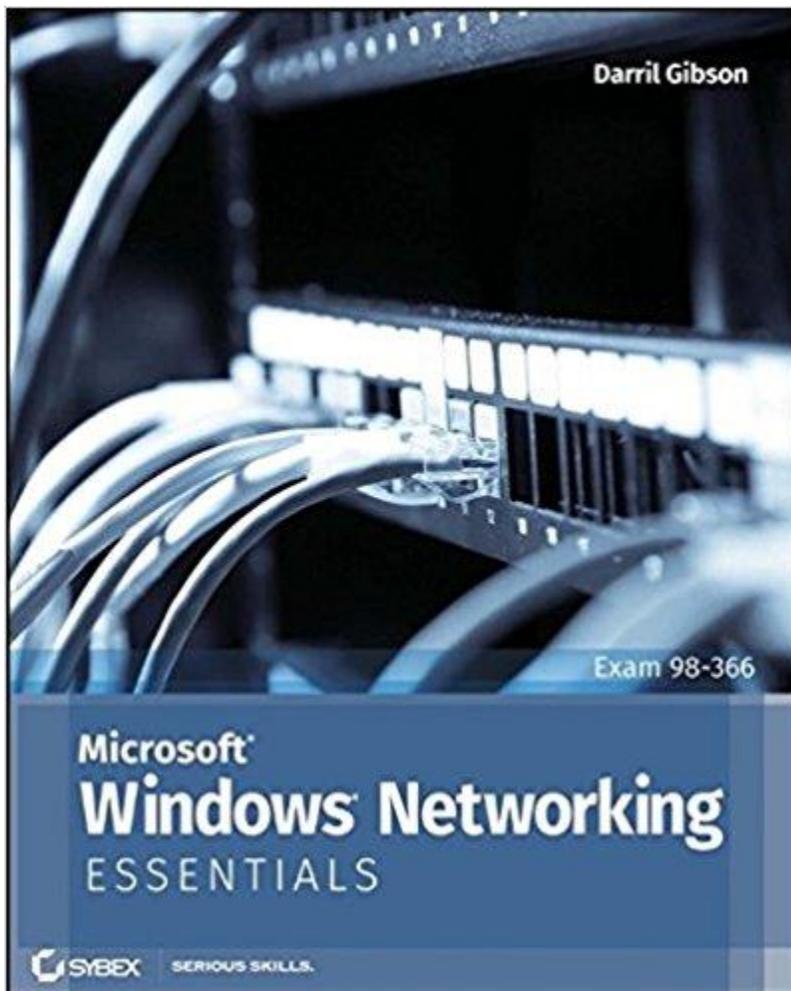
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Microsoft Windows Networking Essentials 1st Edition

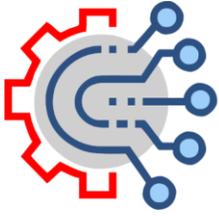
CODE: CNAC

ISBN-13: 978-1118016855

ISBN-10: 1118016858

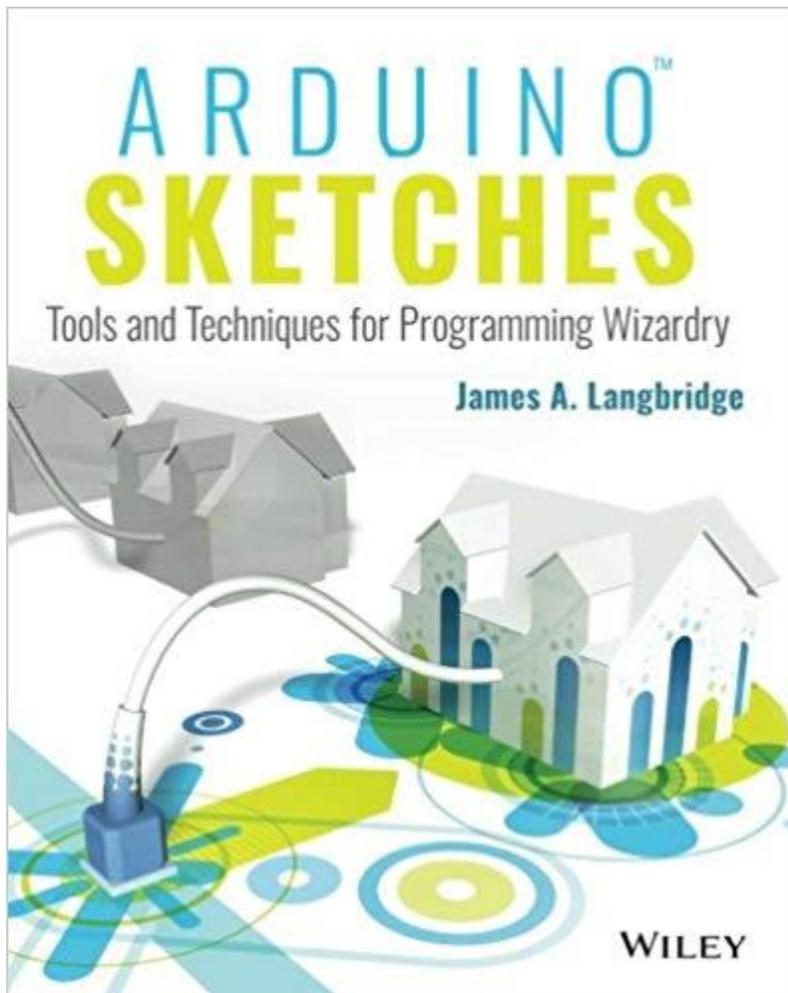


Networking can be a complex topic, especially for those new to the field of IT. This focused, full-color book takes a unique approach to teaching Windows networking to beginners by stripping down a network to its bare basics, thereby making each topic clear and easy to understand. Focusing on the new Microsoft Technology Associate (MTA) program, this book pares down to just the essentials, showing beginners how to gain a solid foundation for understanding networking concepts upon which more advanced topics and technologies can be built.



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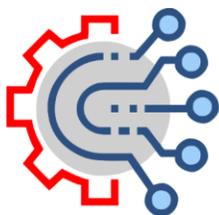
Arduino Sketches: Tools and Techniques for Programming Wizardry 1st Edition  
CODE: POEN (I)  
ISBN-13: 978-1118919606  
ISBN-10: 1118919602



Arduino Sketches is a practical guide to programming the increasingly popular microcontroller that brings gadgets to life. Accessible to tech-lovers at any level, this book provides expert instruction on Arduino programming and hands-on practice to test your skills.

Including the Arduino Microcontroller and Engineering components:

***Elegoo EL-KIT-008 Mega 2560 Project  
The Most Complete Ultimate Starter  
Kit w/TUTORIAL for Arduino.***



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Teaching and Learning with Technology, Enhanced Pearson eText -- Access Card (5th Edition)

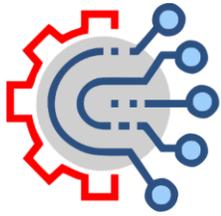
CODE: AITE (I)

ISBN-13: 978-0133814262

ISBN-10: 0133814262



An updated, streamlined Enhanced Pearson e-Text based on the highly successful previous editions of Teaching and Learning with Technology, this resource presents student-friendly help for preparing the 21st century learner and for improving the teacher's role as educational technology leader and advocate. In it, readers get a clear, current look at the range of educational technologies available for use in today's classrooms, and the many ways teachers can use technology effectively to enhance learning.



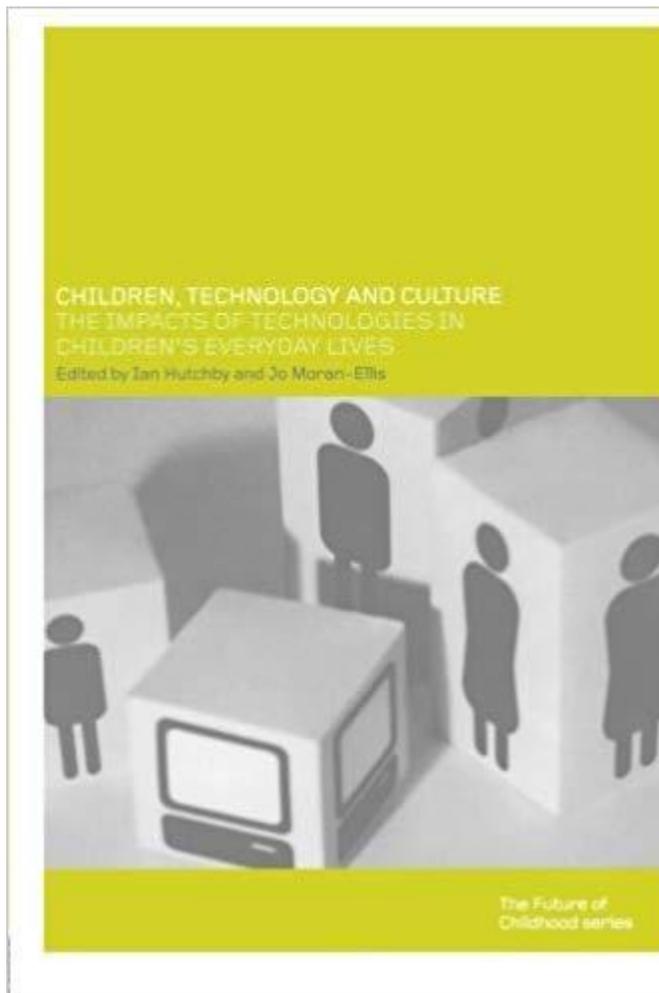
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Children, Technology and Culture: The Impacts of Technologies in Children's Everyday Lives (The Future of Childhood Series) 1st Edition

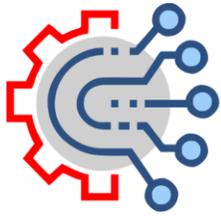
CODE: ITSE

ISBN-13: 978-0415236355

ISBN-10: 0415236355



Childhood is increasingly saturated by technology: from television to the Internet, video games to 'video nasties', camcorders to personal computers. *Children, Technology and Culture* looks at the interplay of children and technology which poses critical questions for how we understand the nature of childhood in late modern society.



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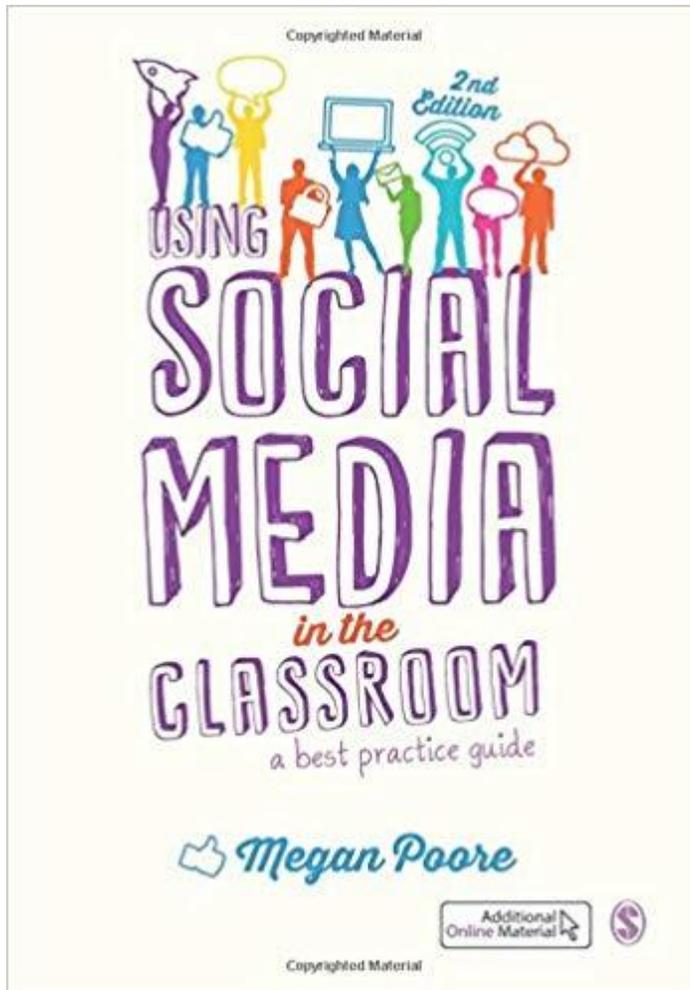
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Using Social Media in the Classroom: A Best Practice Guide Second Edition

CODE: AITE (II)

ISBN-13: 978-1473912786

ISBN-10: 1473912784



This is an essential guide to using social media to enhance teaching and learning in schools. It combines practical information on using all forms of social media for educational purposes and provides indispensable advice on how to tackle issues arising from social media use in the classroom. Key topics include: using blogs, wikis, social media networks and podcasting, digital literacy and new modes of learning, digital participation, cyberbullying and understanding risk online.



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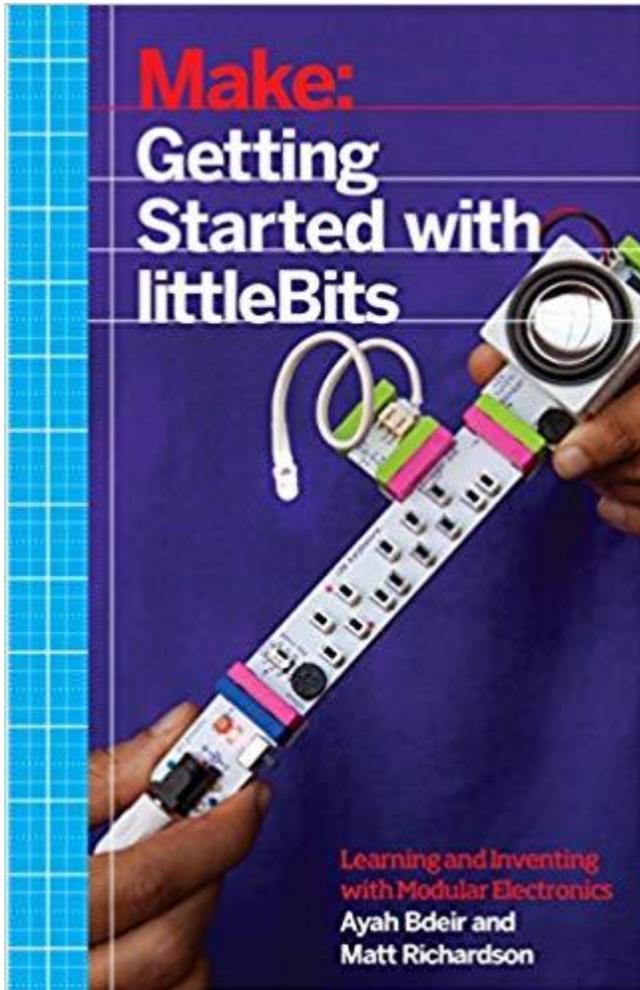
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Getting Started with littleBits: Prototyping and Inventing with Modular Electronics 1st Edition

CODE: POEN (II)

ISBN-13: 978-1457186707

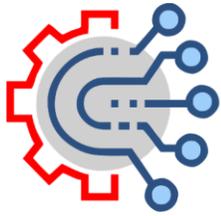
ISBN-10: 1457186705



littleBits are electronic building blocks with over 60 modules and trillions of combinations. With littleBits, anyone can harness the power of electronics, microcontrollers, and the cloud--regardless of age, gender, technical ability, or educational background. You can combine these simple, snap-together, magnetic bricks to make simple electronic circuits, or build robots and devices that combine sensors, microcontrollers, and cloud connectivity.

Including

*littleBits Arduino Electronics Gizmos & Gadgets Kit*



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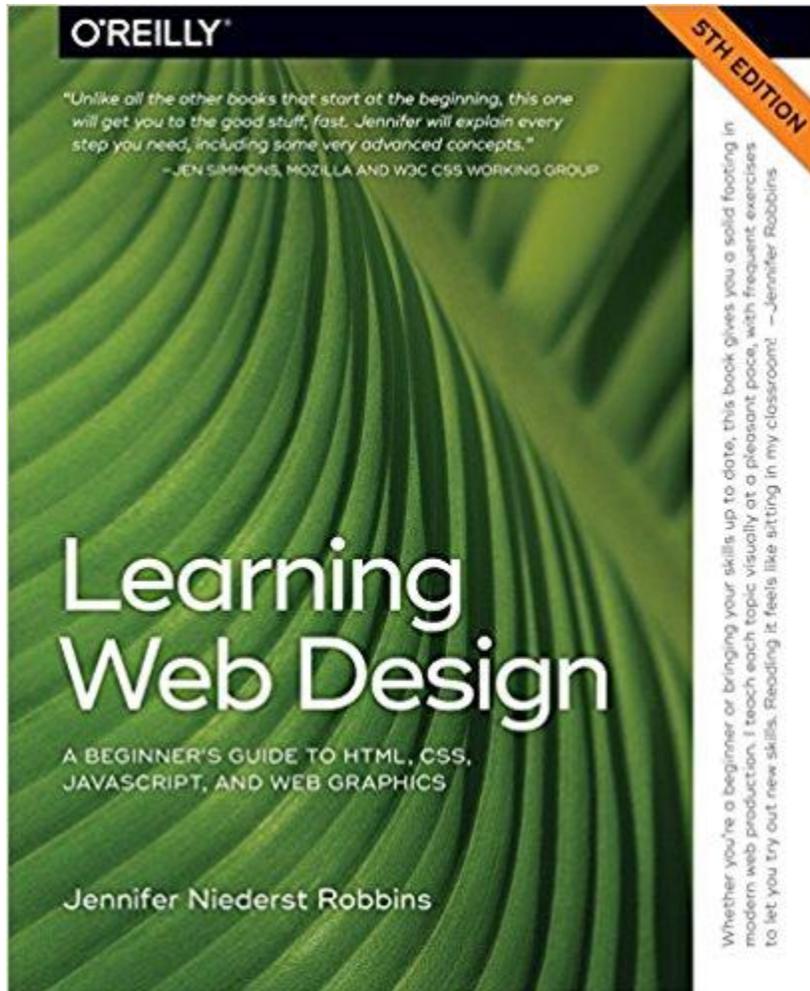
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Learning Web Design: A Beginner's Guide to HTML, CSS, JavaScript, and Web Graphics 5th Edition

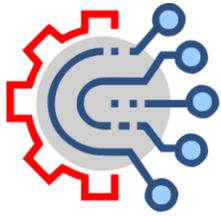
CODE: WDES

ISBN-13: 978-1491960202

ISBN-10: 1491960205



This thoroughly revised edition is ideal for students and professionals of all backgrounds and skill levels. It is simple and clear enough for beginners, yet thorough enough to be a useful reference for experienced developers keeping their skills up to date. You'll begin at square one, learning how the web and web pages' work, and then steadily build from there. By the end of the book, you'll have the skills to create a simple site with multicolumn pages that adapt for mobile devices.



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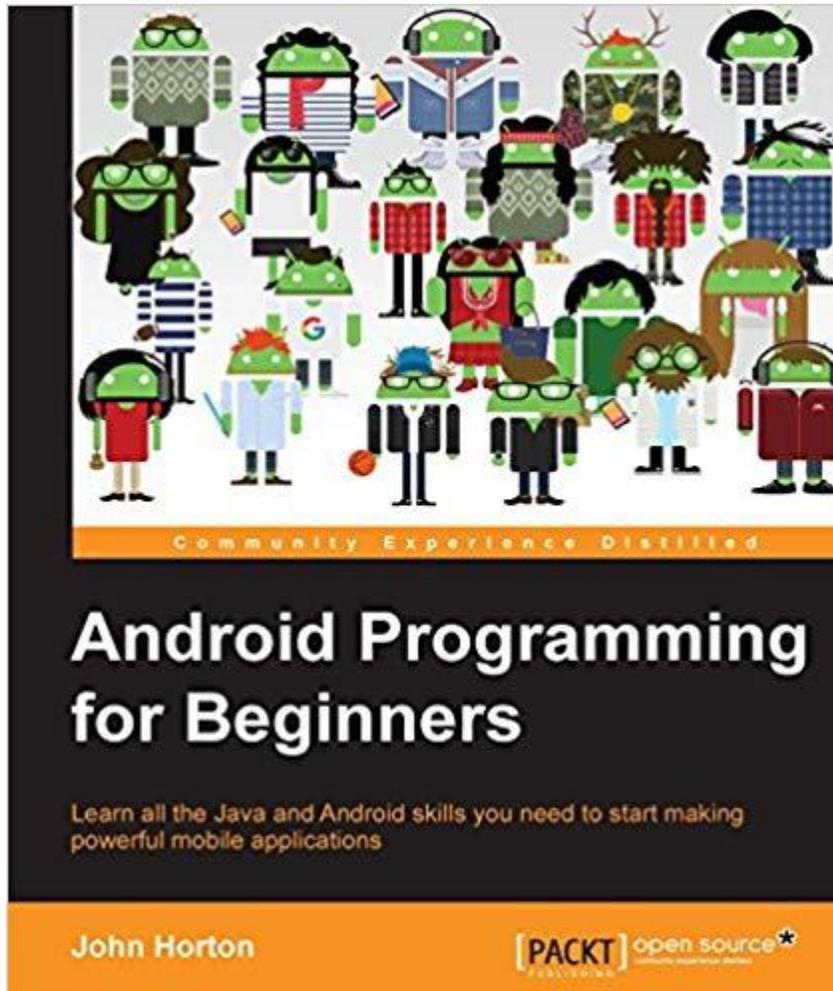
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Android Programming for Beginners Paperback – December 31, 2015

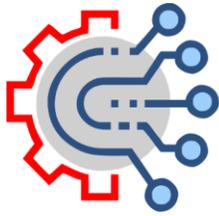
CODE: AADD

ISBN-13: 978-1785883262

ISBN-10: 1785883267



With more than 40 mini apps to code and run, *Android Programming for Beginners* is a hands-on guide to learning Android and Java. Each example application demonstrates a different aspect of Android programming. Alongside these mini apps, we push your abilities by building three larger applications to demonstrate Android application development in context.



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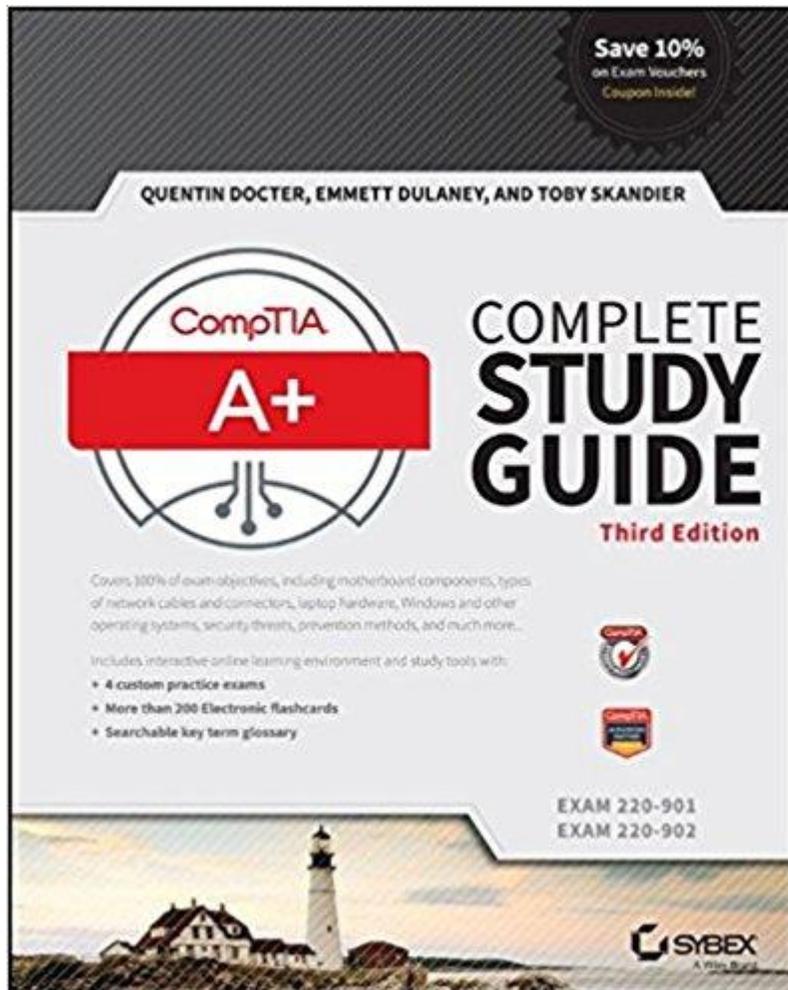
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CompTIA A+ Complete Study Guide: Exams 220-901 and 220-902 3rd Edition

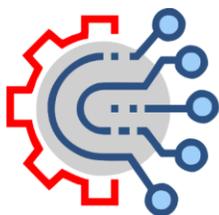
CODE: ASAA

ISBN-13: 978-1119137856

ISBN-10: 1119137853



Now in its third edition, this guide has been updated to reflect the exam's new focus. Coverage includes the latest best practices, Windows 8/8.1 and mobile OSes, and an emphasis on the practical skills required on the job. Clear and concise, this book helps you solidify your understanding of crucial hardware and operating system maintenance and troubleshooting topics covered on the exam. You also gain access to the Sybex exclusive online interactive learning environment and test bank, featuring bonus practice exams, electronic flashcards, and a searchable PDF glossary of the most important terms you need to understand.



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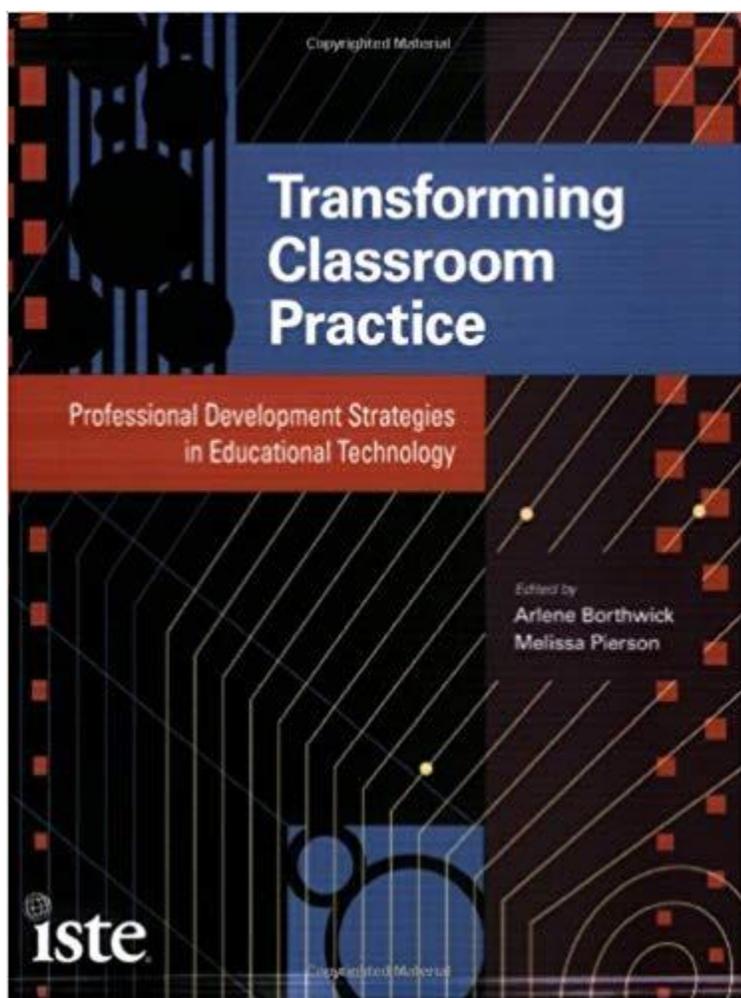
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Transforming Classroom Practice: Professional Development Strategies in Educational Technology 1st Edition

CODE: TEPD

ISBN-13: 978-1564842466

ISBN-10: 1564842460



This book provides an overview of professional development programs that have demonstrated long-term success through assessment of outcomes. The models described here explore approaches that expand teachers' knowledge, skill, and confidence in using technology tools in teaching and learning environments, with the focus on improving teaching and learning rather than on the technology use.



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## **Mastery and Presentation**

CODE: MAPR

During this last semester, participants are being observed by the institution during their teaching sessions based on three scheduled appointments. Observation reports are being written and discussed with each participant. Based on these observations, the participants are being graded. Mastery must be shown in:

Implementing technology in their lessons,  
How they use technology for instruction,  
Developing lesson plans,  
Interaction with students (online),  
Stimulate (online) collaboration amongst students,  
Stimulate critical thinking and independent (researched base) learning  
(Online) Assessment of students.

Participant must submit:

Thesis on how he/she implemented technology in his/her instruction/learning environment,  
A lesson plan  
A digital developed lesson (based on the lesson plan)  
An assessment  
Assessment result (statistics)

July 27<sup>th</sup>, 2018

  
Document prepared by:  
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Founder-CEO