
Network Fundamentals Instructor Lab Manual

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Network Fundamentals Thomson Learning Straight from Cisco, this one-of-a-kind package brings together everything you need to thoroughly prepare for your Cisco CCNAX (Composite) Routing and Switching certification exam! For one discount price, you get: Two extraordinary Cisco Press study guides, Cisco CCENT/CCNA ICND1 100-101 Official Cert Guide and Cisco CCNA Routing and Switching

ICND2 200-101 Official Cert Guide Plus the state-of-the-art Cisco CCNA Routing and Switching 200-120 Network Simulator for incomparable hands-on practice -- no networking equipment needed! These two definitive books deliver authoritative preparation and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. They each include A test-preparation routine proven to help you pass the exam Do I Know This Already? quizzes, which enable you to decide how much time you need to spend on each section Chapter-ending and part-ending exercises, which help you drill on key concepts you must know thoroughly Troubleshooting sections, which help you master the complex scenarios you will face on the exam The powerful Pearson IT Certification Practice Test software, complete with hundreds of well-reviewed, exam-realistic questions, customization options, and detailed performance reports Bonus video mentoring from the author A final preparation chapter, which guides you through tools and resources to help you craft your review and

test-taking strategies
Study plan suggestions
and templates to help
you organize and
optimize your study
time The Cisco CCENT
ICND1 200-120
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single-user software
package will help you
systematically develop
and sharpen the hands-
on Cisco network
configuration and
troubleshooting skills
you need to pass your
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labs designed by expert
instructors: learn hands-
on skills and reinforce
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concepts you need Skill-
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scenarios, and
subnetting exercises
Exclusive "free play"
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Switching 200-120 Official
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Network Fundamentals,
CCNA Exploration
Companion Guide is the
official supplemental
textbook for the Network

Fundamentals course in the
Cisco® Networking
Academy® CCNA®
Exploration curriculum
version 4. The course, the
first of four in the new
curriculum, is based on a top-
down approach to
networking. The Companion
Guide, written and edited by
Networking Academy
instructors, is designed as a
portable desk reference to
use anytime, anywhere. The
book's features reinforce
the material in the course to
help you focus on important
concepts and organize your
study time for exams. New
and improved features help
you study and succeed in
this course: Chapter
objectives—Review core
concepts by answering the
focus questions listed at the
beginning of each chapter.
Key terms—Refer to the
updated lists of networking
vocabulary introduced and
highlighted in context in
each chapter.
Glossary—Consult the
comprehensive glossary with
more than 250 terms. Check
Your Understanding
questions and answer
key—Evaluate your readiness
with the updated end-of-
chapter questions that match
the style of questions you
see on the online course
quizzes. The answer key
explains each answer.
Challenge questions and
activities—Strive to ace more

challenging review questions
and activities designed to
prepare you for the complex
styles of questions you might
see on the CCNA exam. The
answer key explains each
answer. How To—Look for
this icon to study the steps
you need to learn to perform
certain tasks. Packet Tracer
Activities— Explore
networking concepts in
activities interspersed
throughout some chapters
using Packet Tracer v4.1
developed by Cisco. The
files for these activities are
on the accompanying CD-
ROM. Also available for the
Network Fundamentals
Course Network
Fundamentals, CCNA
Exploration Labs and Study
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1-58713-203-6 ISBN-13:
978-1-58713-203-2
Companion CD-ROM **See
instructions within the ebook
on how to get access to the
files from the CD-ROM that
accompanies this print
book.** The CD-ROM
provides many useful tools
and information to support
your education: Packet
Tracer Activity exercise files
v4.1 VLSM Subnetting Chart
Structured Cabling
Exploration Supplement
Taking Notes: a .txt file of
the chapter objectives A
Guide to Using a
Networker's Journal booklet
IT Career Information Tips
on Lifelong Learning in

Networking This book is part of the Cisco Networking Academy Series from Cisco Press®. The products in this series support and complement the Cisco Networking Academy online curriculum.

Networking for Home and Small Businesses, CCNA Discovery Learning Guide CCNA Lab Manual for Cisco Networking Fundamentals CD-ROM includes "a limited version of MeasureUp's CCNA test prep software, including 50 sample exam questions and a test engine"--Page xiii CCNA Guide to Cisco Networking Fundamentals

This trusted text provides a thorough introduction to agricultural mechanics, covering fundamental mechanical and engineering theory, common tools and materials, and a wide range of practical applications. Units explore essential topics such as career opportunities, shop orientation and procedures, woodworking and metal working, tool fitting, project planning, cutting and welding, paints and paint application, power mechanics, electrical wiring, plumbing, hydraulics, concrete and masonry, and agricultural structures. Safety is also emphasized strongly throughout the text, both within each chapter and in a dedicated unit. To engage today's students and make even complicated principles easier to

apply, the text features abundant, full-color images, illustrations, charts, and data tables, as well as detailed drawings of over 50 complete project plans. More than 300 of these visuals have been added or updated for the Seventh Edition, which also includes updates to reflect the latest innovations in materials, machinery, and methods, providing a current and comprehensive guide to help students plan and execute agricultural projects effectively.

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Cti Higher Edn Cisco Press The only authorized Lab Manual for the Cisco Networking Academy Networking Essentials course Curriculum Objectives.

Networking is at the heart of the digital transformation. The network is essential to many business functions today, including business critical data and operations, cybersecurity, and so much more. This is a great course for developers, data scientists, cybersecurity specialists, and other professionals looking to broaden their networking domain knowledge. It's also an excellent launching point for students pursuing a wide range of career pathways--from cybersecurity to software development to business and

more. No prerequisites required!
Guide to TCP/IP Cisco Press
Routing Protocols and Concepts
CCNA Exploration Companion Guide
Routing Protocols and Concepts, CCNA Exploration Companion Guide is the official supplemental textbook for the Routing Protocols and Concepts course in the Cisco Networking Academy® CCNA® Exploration curriculum version 4. This course describes the architecture, components, and operation of routers, and explains the principles of routing and the primary routing protocols. The Companion Guide, written and edited by Networking Academy instructors, is designed as a portable desk reference to use anytime, anywhere. The book's features reinforce the material in the course to help you focus on important concepts and organize your study time for exams. New and improved features help you study and succeed in this course:
Chapter objectives – Review core concepts by answering the focus questions listed at the beginning of each chapter.
Key terms – Refer to the updated lists of networking vocabulary introduced and turn to the highlighted terms in context in each chapter.
Glossary – Consult the comprehensive glossary with more than 150 terms.
Check Your Understanding questions and answer key – Evaluate your readiness with the updated end-of-chapter questions that match the style of questions you see on the online course quizzes. The answer key explains each answer.
Challenge questions and activities – Strive to ace more challenging review questions and activities designed to prepare you for the complex styles of questions

you might see on the CCNA exam. The answer key explains each answer. Rick Graziani has been a computer science and networking instructor at Cabrillo College since 1994. Allan Johnson works full time developing curriculum for Cisco Networking Academy. Allan also is a part-time instructor at Del Mar College in Corpus Christi, Texas.

How To – Look for this icon to study the steps you need to learn to perform certain tasks. **Packet Tracer Activities** – Explore networking concepts in activities interspersed throughout some chapters using Packet Tracer v4.1 developed by Cisco®. The files for these activities are on the accompanying CD-ROM. Also available for the Routing Protocols and Concepts Course: Routing Protocols and Concepts CCNA Exploration Labs and Study Guide ISBN-10: 1-58713-204-4 ISBN-13: 978-1-58713-204-9 Companion CD-ROM **See instructions within the ebook on how to get access to the files from the CD-ROM that accompanies this print book.** The CD-ROM provides many useful tools and information to support your education: Packet Tracer Activity exercise files v4.1 A Guide to Using a Networker's Journal booklet Taking Notes: a .txt file of the chapter objectives More IT Career Information Tips on Lifelong Learning in Networking This book is part of the Cisco Networking Academy Series from Cisco Press®. The products in this series support and complement the Cisco Networking Academy online curriculum.

A+ Guide to IT Technical Support (Hardware and Software) Cisco Press

The Laboratory Manual is a valuable tool designed to enhance your lab experience. Lab activities, objectives, materials lists, step-by-step procedures, illustrations, and review questions are commonly found in a Lab Manual. **Important Notice:** Media content referenced within the product description or the product text may not be available in the ebook version. Routing and Switching Essentials Lab Manual Cisco Systems Prepare to take the Cisco Certified Network Associate (200-301 CCNA) exam and get to grips with the essentials of networking, security, and automation **Key Features** Secure your future in network engineering with this intensive boot camp-style certification guide Gain knowledge of the latest trends in Cisco networking and security and boost your career prospects Design and implement a wide range of networking technologies and services using Cisco solutions **Book Description** In the dynamic technology landscape, staying on top of the latest technology trends is a must, especially if you want to build a career in network administration. Achieving CCNA 200-301 certification will validate your knowledge of networking concepts, and this book will help you to do just that. This exam guide focuses on the fundamentals to help you gain a high-level understanding of networking, security, IP connectivity, IP services, programmability, and automation. Starting with the functions of various networking

components, you'll discover how they are used to build and improve an enterprise network. You'll then delve into configuring networking devices using a command-line interface (CLI) to provide network access, services, security, connectivity, and management. The book covers important aspects of network engineering using a variety of hands-on labs and real-world scenarios that will help you gain essential practical skills. As you make progress, this CCNA certification study guide will help you get to grips with the solutions and technologies that you need to implement and administer a broad range of modern networks and IT infrastructures. By the end of this book, you'll have gained the confidence to pass the Cisco CCNA 200-301 exam on the first attempt and be well-versed in a variety of network administration and security engineering solutions. What you will learn **Understand the benefits of creating an optimal network** **Create and implement IP schemes in an enterprise network** **Design and implement virtual local area networks (VLANs)** **Administer dynamic routing protocols, network security, and automation** **Get to grips with various IP services that are essential to every network** **Discover how to troubleshoot networking devices** **Who this book is for** This guide is for IT professionals looking to boost their network engineering and security administration career prospects. If you want to gain a Cisco CCNA certification and start a career as a network security professional, you'll find this book useful. Although no knowledge about Cisco technologies is expected, a basic understanding of

industry-level network fundamentals will help you grasp the topics covered easily.

Agriscience Fundamentals and Applications Updated, Precision Exams Edition
Cengage Learning
Networking for Home and Small Businesses CCNA Discovery Learning Guide
Allan Reid • Jim Lorenz
Networking for Home and Small Businesses, CCNA Discovery Learning Guide is the official supplemental textbook for the *Networking for Home and Small Businesses* course in the Cisco® Networking Academy® CCNA® Discovery curriculum version 4. The course, the first of four in the new curriculum, teaches networking concepts by applying them to a type of network you may encounter in a home or small office. The Learning Guide, written and edited by instructors, is designed as a portable desk reference to use anytime, anywhere to reinforce the material from the course and organize your time. In addition, the book includes expanded coverage of CCENT™/CCNA exam topics. The book's features help you focus on important concepts to succeed in this course: Chapter Objectives – Review core

concepts by answering the focus questions listed at the beginning of each chapter. Key Terms – Refer to the lists of networking vocabulary introduced and highlighted in context in each chapter. The Glossary defines each key term. Summary of Activities and Labs – Maximize your study time with this complete list of all associated exercises at the end of each chapter. Check Your Understanding – Evaluate your readiness with the end-of-chapter questions that match the style of questions you see in the online course quizzes. The answer key explains each answer. Challenge Questions and Activities – Apply a deeper understanding of the concepts with these challenging end-of-chapter questions and activities. The answer key explains each answer. Hands-on Labs – Master the practical, hands-on skills of the course by performing all the tasks in the course labs and additional challenge labs included in Part II of the Learning Guide. Allan Reid is the curriculum lead for CCNA and a CCNA and CCNP® instructor at the Centennial College CATC in Toronto, Canada. Jim Lorenz is an instructor and curriculum developer for the Cisco Networking Academy.

How To – Look for this icon to study the steps you need to learn to perform certain tasks. Interactive Activities – Reinforce your understanding of topics with more than 50 different exercises from the online course identified throughout the book with this icon. The files for these activities are on the accompanying CD-ROM. Packet Tracer Activities – Explore and visualize networking concepts using Packet Tracer exercises interspersed throughout some chapters. The files for these activities are on the accompanying CD-ROM. Packet Tracer v4.1 software developed by Cisco is available separately. Hands-on Labs – Work through all 26 course labs and 3 additional challenge labs included in Part II of the book. The labs are an integral part of the CCNA Discovery curriculum, so you can review the core text and the lab material to prepare for all your exams. Companion CD-ROM **See instructions within the ebook on how to get access to the files from the CD-ROM that accompanies this print book.** The CD-ROM includes Interactive Activities Packet Tracer Activity files IT Career Information Taking Notes Lifelong Learning OSI Model

Overview This book is part of the Cisco Networking Academy Series from Cisco Press®. Books in this series support and complement the Cisco Networking Academy curriculum.

Security+ Guide to Network Security Fundamentals Cengage Learning

The Lab Manual is a valuable tool designed to enhance your lab experience. Lab activities, objectives, materials lists, step-by-step procedures, illustrations, and review questions are commonly found in a Lab Manual. **Important Notice:**

Media content referenced within the product description or the product text may not be available in the ebook version.

CCNA Guide to Cisco Networking Fundamentals Packt Publishing Ltd

Meadors and Schmidt cover the fundamentals of operating systems concepts. The major emphasis of this book will include the operating system environment, basic operating system theory, DOS and DOS command line, Windows 98, NT, 2000 and XP, Unix/Linux and Networking. This book is for anyone who wants to learn the fundamentals of various operating systems.

Networking Fundamentals Cisco Systems

A clear and concise resource on Windows networking, perfect for IT beginners Did you know that

nearly 85% of IT support roles require a good understanding of networking concepts? If you are looking to advance your IT career, you will need a foundational understanding of Windows networking. **Network Fundamentals** covers everything you need to know about network infrastructures, hardware, protocols, and services. You will learn everything you need to gain the highly in-demand **Networking Fundamentals MTA Certification**. This entry-level credential could be your first step into a rewarding, stable and lucrative IT career. This new Sybex guide covers the basics of networking starting from the “ground level,” so no previous IT knowledge is required. Each chapter features approachable discussion of the latest networking technologies and concepts, closing with a quiz so you can test your knowledge before moving to the next section. Even if you are brand new to computers, **Network Fundamentals** will guide you to confidence and mastery. Understand wired and wireless networks in every detail Learn everything you need to attain the **Networking Fundamentals MTA Certification Test** your knowledge with end-of-chapter quiz questions Understand internet protocol (IP) and categorize IPv4 addresses Work with networking services and area networks Define network infrastructures and network security, including intranets, extranets, and VPNs Beginning and established IT professionals looking to understand more about networking will gain the knowledge to create a network diagram and confidently explain basic networking concepts. Thanks to the

features in this book, you will be able to apply your new networking skills in real world situations and feel confident when taking the certification test.

Networking Essentials Lab Manual Cengage Learning

This step-by-step, highly visual text provides a comprehensive introduction to managing and maintaining computer hardware and software. Written by best-selling author and educator Jean Andrews, **A+ Guide to IT Technical Support, 9th Edition** closely integrates the CompTIA+ Exam objectives to prepare you for the 220-901 and 220-902 certification exams. The new Ninth Edition also features extensive updates to reflect current technology, techniques, and industry standards in the dynamic, fast-paced field of PC repair and information technology. Each chapter covers both core concepts and advanced topics, organizing material to facilitate practical application and encourage you to learn by doing. The new edition features more coverage of updated hardware, security, virtualization, new coverage of cloud computing, Linux and Mac OS, and increased emphasis on mobile devices. Supported by a wide range of supplemental resources to enhance learning with Lab Manuals, CourseNotes online labs and the optional MindTap that includes online labs, certification test prep and interactive exercises and activities, this proven text offers students an ideal way to prepare for success as a professional IT support technician and administrator. **Important Notice:** Media content referenced within the product description or the product text

may not be available in the ebook version.

Course Technology Ptr Introduction to Networks Companion Guide is the official supplemental textbook for the Introduction to Networks course in the Cisco® Networking Academy® CCNA® Routing and Switching curriculum. The course introduces the architecture, structure, functions, components, and models of the Internet and computer networks. The principles of IP addressing and fundamentals of Ethernet concepts, media, and operations are introduced to provide a foundation for the curriculum. By the end of the course, you will be able to build simple LANs, perform basic configurations for routers and switches, and implement IP addressing schemes. The Companion Guide is designed as a portable desk reference to use anytime, anywhere to reinforce the material from the course and organize your time. The book's features help you focus on important concepts to succeed in this course: Chapter Objectives – Review core concepts by answering the focus questions listed at the beginning of each chapter. Key Terms – Refer to the lists of networking vocabulary introduced and highlighted in context in each chapter. Glossary – Consult the comprehensive Glossary with

more than 195 terms. Summary of Activities and Labs – Maximize your study time with this complete list of all associated practice exercises at the end of each chapter. Check Your Understanding – Evaluate your readiness with the end-of-chapter questions that match the style of questions you see in the online course quizzes. The answer key explains each answer. Related Title: Introduction to Networks Lab Manual ISBN-10: 1-58713-312-1 ISBN-13: 978-1-58713-312-1 How To – Look for this icon to study the steps you need to learn to perform certain tasks. Interactive Activities – Reinforce your understanding of topics with more than 50 different exercises from the online course identified throughout the book with this icon. Videos – Watch the videos embedded within the online course. Packet Tracer Activities – Explore and visualize networking concepts using Packet Tracer exercises interspersed throughout the chapters. Hands-on Labs – Work through all 66 course labs and Class Activities that are included in the course and published in the separate Lab Manual. This book is part of the Cisco Networking Academy Series from Cisco Press®. Books in this series support and complement the Cisco Networking Academy curriculum. Lab Manual for Certified Wireless Network

Administrator Guide to Wireless Local Area Networks Cengage Learning

The Updated Second Edition of Fundamentals of Geographic Information Systems includes thirteen laboratory exercises integrated into the text itself. The labs are linked to particular chapter where the concepts described in the reading can be practiced immediately in a laboratory setting. The second edition of this well-received text on principles of geographic information systems (GIS) continues the author's style of "straight talk" in its presentation. The writing is accessible and easy to follow. Unlike most other texts, this book covers GIS design and modeling, reflecting the belief that modeling and analysis are at the heart of GIS. This enables students to understand how to use a GIS and what it does.

Lab Manual for Andrews' A+ Guide to Hardware, 6th Cisco Press

IP Networking Wendell Odom, CCIE No. 1624

This text provides a detailed and practical overview of TCP/IP networking. In this book, expert instructor and best-selling author Wendell Odom explores network design and implementation by applying TCP/IP protocols to provide connectivity and associated services. Planning and deployment of network addressing structures, as well

as router and switch configurations, are also examined. IP Networking centers on the IP packet forwarding process and how to make Cisco routers perform IP routing. The book begins with two units that review and expand your knowledge of prerequisite topics, including all layers of the TCP/IP model, with emphasis on LANs, WANs, IP, and TCP. Units 3 through 8 take you to a much deeper and practical knowledge of IP addressing and routing: two topics that truly need to be understood together. These same lessons examine how to implement various IP features in Cisco routers, building skills that matter in the real world. Finally, the last two units focus on LAN and WAN technologies and their roles in how routers and hosts use LANs and WANs to forward IP packets. IP Networking takes you from a broad and basic knowledge of IP addressing and routing to a solid skill level with how hosts, switches, and routers collectively deliver IP packets in modern corporate networks, helping prepare you for a variety of entry-level network administration and support positions, such as network administrator, network technician, network

specialist, information technology specialist, and local area network (LAN) or wide area network (WAN) administrator. After reading this book, you will have gained the skills required to set up and maintain network transport services with appropriate address schema and desired protocols. You will master the basic skills needed to handle the hardware and IOS features of Cisco routers and switches and perform network administration tasks using such components. Coverage includes: The TCP/IP and OSI networking models LAN and WAN fundamentals Fundamentals of IP addressing and routing Fundamentals of TCP/IP transport, applications, and security IP subnetting VLSM and route summarization Cisco router operation and configuration IP routing: static and connected routes RIPv2, EIGRP, and OSPF concepts and configuration IP version 6 Ethernet LANs and virtual LANs Point-to-point WANs and Frame Relay Network troubleshooting
pearsonITcertification.com
www.certskills.com
Networking Fundamentals
John Wiley & Sons
Incorporated
The Lab Manual for CWNA

Guide to Wireless LANs provides students with the hands-on experience they will need to become successful wireless network administrators. Using both Cisco and Linksys equipment, students will plan, install, configure, manage, and troubleshoot wireless local area networks. Students will gain experience using the Windows XP automatic wireless configuration tool, as well as the more advanced wireless utilities from Cisco. In addition to basic wireless setup, labs include RF math calculations, co-channel and adjacent channel interference, roaming, power management, open authentication and shared key authentication, ad hoc versus infrastructure mode, repeater mode, wireless site survey tools, and filtering based on SSIDs, MAC addresses, and IP addresses. CCNA Guide to Cisco Networking Cisco Press
This text provides a comprehensive, hands-on look at TCP/IP. It includes coverage of the latest TCP/IP stack implementations in Windows XP/2003 and 2000, as well as coverage of Ipv6 and SMTP. Practice skills as they are learned with extensive hands-on projects, in-depth case projects, and review questions in each chapter. Accompanying CD-ROM contains a trial version of

EtherPeek protocol analyzer software and sample protocol traces, giving users direct hands-on practice diagnosing protocol traces.

A+ Operating Systems for Technicians Cengage Learning

In addition to providing a comprehensive overview of the agricultural industry and industry-based sciences, the Precision Exams Edition of Burton ' s AGRISCIENCE: FUNDAMENTALS AND APPLICATIONS, Sixth Edition, aligns to Precision Exams ' Agricultural Science exam. The text covers essential topics such as agriscience in the information age, natural resources, integrated pest management, plant science, animal science, food science, and communication and management, giving students with a solid foundation in the basic principles and practices of agriscience. The Precision Exams Edition also features new information related to the National FFA Organization and selecting and planning an SAE; how math, science, and social studies relate to agriscience; current technologies used in the industry; career opportunities; and advice for professional success and business ownership. Important Notice:

Media content referenced within the product description or the product text may not be available in the ebook version. Routing Protocols and Concepts, CCNA Exploration Companion Guide Cisco Systems

The only Cisco authorized textbook for the revised IT Essentials: PC Hardware and Software course (v4.1), from the Cisco Networking Academy * Companion Guide format complements the online curriculum with added insight and instruction from Academy instructors. * A portable reference that supports all the topics in the new course, aligning 1:1 with course modules. * Features improved readability, enhanced topic explanations, real-world examples, and all new graphical presentations. * Aligned to new A+ objectives. The IT Essentials: PC Hardware and Software Companion Guide 4/e supplements and complements the version 4.1 online curriculum offered by the Cisco Networking Academy. The Companion Guide is designed as the textbook for the Networking Academy course, offering students a portable desk reference of the course content to use anytime anywhere as a study aid. The chapter content aligns 1:1 to the online course module topics, but does not merely mimic the content word-for-word. The authors present the course material in the Companion Guide in a comprehensive manner, providing their own examples where necessary to augment a student's understanding of the course material. This book will have the CompTIA A+ seal of approval.

The book focuses on the following elements to support the online curriculum: * Chapter Objectives are stated as questions at beginning of each chapter. * Key terms listed in the Chapter openers. * Enhanced readability for younger student comprehension. * How To Feature provides step-by-step tasks for common activities. * Key concept recaps, Check Your Understanding Questions, and next chapter previews are in a concise summary at the end of each chapter

[CompTIA Security + Guide to Network Security Fundamentals](#) Cengage Learning

Presenting material covered on the CCNA certification exam, this study guide includes numerous review questions and case projects to reinforce the hands-on skills needed for certification and success. The CD-ROM features 50-question CoursePrep exam preparation software; and an optional lab manual provides extensive lab exercises and hands-on projects.