

Instructional Resources

Information Technology

CIP No. 15.1200

This list represents some of the materials available to school districts interested in teaching Information Technology. Resources for occupationally specific as well as common core skill development are included. Please note: This list of instructional resources is provided as a convenience and not an endorsement by the Arizona Department of Education. Contact information for these resources is subject to change.

Adams, Nyhoff, Nyhoff, 2001. **JAVA: An Introduction to Computing, 1st Edition.**

Prentice Hall School Online Catalog.

www.phschool.com/catalog.

* Student Edition

ISBN 0130142514

* Instructor's Resource CD

ISBN 013030946X

Anderson-Freed, 2002. **Weaving a Website: Programming in HTML, Script, Perl and Java.**

Prentice Hall School Online Catalog.

www.phschool.com/catalog.

* Student Edition

ISBN 0130282200

Aries Technology, Inc. 1999. **Aries A+ Computer Technician Curriculum.**

A+ Course Technology. **Complete Courseware Kit for Computer Repair.**

www.course.com/pdrepair/

Bayne, Clair. 2000. **Applied Electricity and Electronics.**

Goodheart-Willcox Online,

goodheartwillcox.com.

* Text

ISBN 1-56637-707-2

* Laboratory Manual

ISBN 1-56637-708-0

* Instructor's Manual

ISBN 1-56637-709-9

Beekman, 2001. **Computer Confluence, 4/e.**

Prentice Hall School Online Catalog.

www.phschool.com/catalog.

* Student Edition

ISBN 0130882372

Bell, Parr, 2002. **Java for Students, 3rd Edition.**

Prentice Hall School Online Catalog.

www.phschool.com/catalog.

* Student Edition

ISBN 0130323772

Borris, 2000. **Electronic Circuits Using Electronics Workbench, 1/e.**

Prentice Hall School Online Catalog.

www.phschool.com/catalog.

- * Student Edition ISBN 0130166189
- * Solutions Manual ISBN 0130166103

Building Cisco Remote Access Networks. Prentice Hall School Online Catalog. www.phschool.com/catalog.

- * Student Edition ISBN 1578700914

Building Scalable Cisco Networks. . Prentice Hall School Online Catalog. www.phschool.com/catalog.

- * Student Edition ISBN 1578702283

Capron/Johnson, 2002. **Computers: Tools for Information Age, Brief Edition and Explore It Labs Package, 3/e.** Prentice Hall School Online Catalog. www.phschool.com/catalog.

- * Student Edition ISBN 0130700770

Cisco Systems, Inc. 2000.

Cisco Networking Academy Program: First and Second Year Companion Guides.

www.ciscopress.com

College Entrance Examination Board, 2002.

Computer Science: Computer Science A, Computer Science AB.

www.collegeboard.com/ap.

CompTIA. **Vendor Neutral Certification Materials: A+; CDIA; iNet+; Network+; Server+; Linux+; IT Project+; e-Biz; CTT+; .**

Worldwide Headquarters,

1815 S. Meyers Road, Suite 300, Oakbrook Terrace, IL 60181-5228.

630/268-1818.

Cook, 1998. **Introductory Digital Electronics, 1/e.**

Prentice Hall School Online Catalog.

www.phschool.com/catalog.

- * Student Edition ISBN 0675213347
- * Instructor's Resource Manual w/ Transparency Masters ISBN 0675222818

Course Technology/Thomson Learning—Career, 2000. **Technician Certificate Programs.**

800/824-5179.

www.course.com/sam2000.

Deitel/Deitel, 2001. **C++ How to Program, 3rd Edition.**

Prentice Hall School Online Catalog.

www.phschool.com/catalog.

- * Student Edition ISBN 0130895717
- * Instructor's Resource ISBN 0130895814
CD-Rom
- * Lab Manual ISBN 013895792

Deitel/Deitel, 2002. **Internet & World Wide Web: How to Program.**

Prentice Hall School Online Catalog.

www.phschool.com/catalog.

- * Student Edition ISBN 0130341517
- * Student CD ISBN 0130670502
- * Instructor's Resource ISBN 0130623016
CD-ROM

Deitel/Deitel, 2002. **Java How to Program, 4/e.**

Prentice Hall School Online Catalog.

www.phschool.com/catalog.

- * Student Edition ISBN 0130308978
- * Instructor's Resource ISBN 0130329363
CD-ROM

Deitel/Deite/, 1999. **Visual Basic 6: How to Program.** Prentice Hall School Online Catalog.

www.phschool.com/catalog.

- * Student Edition ISBN 0134569555
- * Instructor's Manual ISBN 0130205222
w/Solutions Disk

DEPCO, Inc., 2002. **Computer Repair TLU.**

www.depcoinc.com.

Online Catalog.

- Student Activity Guide
- DEPCO Computer Repair Installation CD
- DEPCO Computer Repair Multimedia CD
- Computer Mouse
- Computer Repair Trainer
- Computer Repair Monitor
- Computer Keyboard
- How Multimedia Computers Work Software Books

Floyd, 2000. **Electronics Fundamentals: Circuits, Devices and Applications, 5/e.**

Prentice Hall School Online Catalog.

www.phschool.com/catalog.

- * Student Edition ISBN 0130852368
- * Instructor's Solution Manual ISBN 0130193879

Freidman et al., 1999. **Problem Solving, Abstraction and Design Using C++.**

Prentice Hall School Online Catalog.

www.phschool.com/catalog.

- * Student Text bundled with AP Review Guide ISBN 0201715392

Gerrish, Howard; Dugger, Jr., William; and Roberts, Richard M., 1999. **Electricity and Electronics.**

Goodheart-Willcox Online, goodheartwillcox.com.

- * Text ISBN 1-56637-436-7
- * Study Guide with Lab Activities ISBN 1-56637-437-5
- * Instructor's Manual ISBN 1-56637-438-3

Heathkit Educational Systems, 2000. **Heathkit TechKnowledge Series.**

Heathkit Company, Inc.,

455 Riverview Drive, Building 2, Benton Harbor, Michigan 49022.

616/925-6000 or 800/253-0570.

Course Modules include:

- **AC Electronics**
- **Concepts of Electricity**
- **Concepts of Electronics**
- **Data Communications and Networks**
- **DC Electronics**
- **Digital Techniques**
- **Electronic Circuits**
- **Electronics Fundamentals**
- **Fiber Optic Cabling**
- **Fiber Optic Theory and Applications**
- **G4 Macintosh TechKnowledge**
 - Instructor Support Modules
- **6811 Microprocessor Programming**
- **8085 Microprocessor Programming**
- **8085 Microprocessor Interfacing and Applications**
- **Networking Technology and Practices**
 - Instructor Support Modules
 - ACE Test Preparation for Network+ Certification
- **PC Laser Printers**

- **PC Systems Servicing**
 - Instructor Support Modules
 - ACE Test Preparation for A+ Certification
- **PC Systems Troubleshooting**
 - Instructor Support Modules
 - ACE Test Preparation for A+ Certification
- **PC Monitors**
 - Instructor Support Modules
- **Principles of Electronic Communications**
- **Semiconductor Devices**
- **Telephone Systems**
- **Wireless Communications Fundamentals**
- **Wireless Communications Systems**

Horwitz, 2000. **AP Review Guide, 3rd Edition.**

Prentice Hall School Online Catalog. www.phschool.com/catalog.

- * AP Review Guide ISBN 0201702789

I.T.Skills *Plus*.™ **com**, 2001.

Programming and Application Development Curriculum, such as:

Visual Basic, .NET, ActiveX, JavaScript, ASP, COM+, DHTML, XML, SQL. Micro Endeavors, Inc.

800-331-9434.

www.itskillsplus.com

Johnson, Charles, 2000. **Communication Systems.**

Goodheart-Willcox Online,

goodheartwillcox.com.

- * Text ISBN 1-56637-615-7
- * Student Activity Manual ISBN 1-56637-616-5
- * Instructor's Manual ISBN 1-56637-617-3

Kleitz, 2002. **Digital Electronics: A Practical Approach, 6/e.**

Prentice Hall School Online Catalog.

www.phschool.com/catalog.

- * Student Text ISBN 0130896292
- * Instructor's Resource Manual ISBN 0130922935
- * Instructor's Supplement CD ISBN 0130925411

Lab-Volt: Training Systems, 2002.

www.labvolt.com/product.

Courses modules include:

- **Analog Communications Simulation Software (LVSIM®-ACOM) (9480)**
- **Cabling Tech™ Cable Installation Training System (2000)**
- **Commander® Troubleshooting & Repair Training System (50013)**
- **Communications [Tech-World: Applications in Information Technology] (4150)**
- **Computer Architecture (4110)**
- **Digital Communications Simulation Software (LVSIM®-DCOM) (9481)**
- **DisplayPro Student Printer Trainer (50005).**
- **Fiber Optic Communications (91025)**
- **Laser Printer Student Training Program (50006).**
- **NETtech® Network Technology Training Program (50004).**
- **Network Systems (4120)**
- **Ranger® PC Familiarization Course (50012)**
- **Software Development and Applications (4140)**
- **Web Development (4130)**

Lambert and Nance, 1998. **Understanding Programming and Problem Solving.**

South-Western Educational Publishing, Thomson Learning

LJ Technical Systems. **IT 2000: Information Technology Program.**

Instructional Modules with Computer Activities and Written Materials.

North American Headquarters:

LJ Technical Systems Inc., 85 Corporate Drive, Holtsville, NY 11742-2007 U.S.A. Tel: 1-800-237-3482.

Email: lj@lj-tech.com.

Long/Long, 2002. **Computers, Brief Edition, 9/e.**

Prentice Hall School Online Catalog.

www.phschool.com/catalog.

- | | |
|---|-----------------|
| * Student Edition | ISBN 0130929891 |
| * Instructor's Manual | ISBN 0130620203 |
| * Test Item File | ISBN 0130620319 |
| * Test Manager | ISBN 0130620335 |
| * Instructor's Resource CD with
Test Manager | ISBN 013062036X |

Long/Long, 2002. **Computers, Information Technology in Perspective, 9/e.**

Prentice Hall School Online Catalog.

www.phschool.com/catalog.

- | | |
|---|-----------------|
| * Student Edition | ISBN 0130929808 |
| * Instructor's Manual | ISBN 0130620203 |
| * Test Item File | ISBN 0130620319 |
| * Test Manager | ISBN 0130620335 |
| * Instructor's Resource CD with
Test Manager | ISBN 013062036X |

Marcraft International Corp. 2002. **Comptia A+, Network+, i-NET+, ETA DCIC (CAT5).**

Marcraft International Corp.,

100 N. Morain St., Suite 302, Kennewick, WA 99336. 509/374-1951.

www.mic-inc.com

- * Textbooks
- * Hands-on Lab Guides
- * Test Prep Software Packages
- * Training Equipment and Software
- * On Line Training
- * Classroom Management Software

A+ Core:

- Installation, Configuration & Upgrading
- Diagnosing & Troubleshooting
- Safety & Preventive Maintenance
- Motherboard/Processors/Memory
- Printers
- Portable Systems
- Basic Networking

A+OS Technologies

- Function, Structure, Operation and File Management
- Memory Management
- Installation, Configuration and Upgrading
- Diagnosing and Troubleshooting
- Networking

i-NET+

Network+

- Operating Network Management System
- Setting up Standard Operating Procedures
- Administering Change Control System
- Planning a Customer's Job
- Maintaining the Network
- Implementing the Installation of a Network
- Managing Support Efforts
- Troubleshooting the Network
- Designing the Network
- Analyzing/Evaluating the Accountability of New Technology
- Developing Documentation and SOPs

Enhanced Data Cabling Installer Certification Program

- Basic Standards and Practices
- Cable Ratings and Performances

- Testing and Troubleshooting
- Industry Standards
- Pulling Cable
- Understanding Blueprints

RS-2200 Robotics Training Course

MC-2300 Introductory Computer Course

- Construction Skills
- System Comprehension
- Computer Maintenance and Troubleshooting

Matt, Stephen R., 1998. **Electricity and Basic Electronics.**

Goodheart-Willcox Online,
goodheartwillcox.com.

- | | |
|----------------------|--------------------|
| * Text | ISBN 1-56637-406-5 |
| * Workbook | ISBN 1-56637-407-3 |
| * Instructor’s Guide | ISBN 1-56637-408-1 |

Microsoft IT Academy Program. 2002. www.microsoft.com/education/msitacademy

Morelli, 2002. **Java, Java, Java: Object Oriented Problem Solving, 2nd Edition.** Prentice Hall School Online Catalog. www.phschool.com/catalog.

- | | |
|-------------------------------|-----------------|
| * Student Edition | ISBN 0130333700 |
| * Instructor’s
Resource CD | ISBN 0130335274 |

Mueller, 2001. **Upgrading and Repairing PC’s, 12th academic Edition (Networking).**

Prentice Hall School Online Catalog.
www.phschool.com/catalog.

National Business Education Association. 2001. **National Standards for Business Education.**

1914 Association Drive, Reston, VA 20191-1596. 703/860-8300.
www.nbea.org.

National Occupational Competency Testing Institute. ;

NOCTI, 500 North Bronson Avenue, Big Rapids, MI 49307. 1-800-334-6283.

http://www.nocti.org/student_cat_comprog.asp

Job Ready Assessments:

Computer Programming Assessment

Computer Technology Assessment

Microcomputer Repair

Nexes Education Services, 2000. **iNet +** and **Xams.net.**

Examination preparation resources. Jay Mann.

131 West Coronado Rd., Phoenix, AZ 85003. 602/723-6351.

jaym@nexes.net

National Occupational Competency Testing Institute (NOCTI. 500 Bronson Avenue, Big Rapids, MI 49307, 1-800-334-6283. http://www.nocti.org/student_cat_comprog.asp).

Job Ready Examinations: Written and Performance Tests

Computer Programming Assessment

Electronic Product Service

Computer Technology Skills

Microcomputer Repair

Pearson Education, Inc, 2002.

Prentice Hall School Online Catalog.

www.phschool.com/catalog.

CCNA Exam Certification Guide #640-507.

* Student Edition ISBN 0735709718

Computer Networking Essentials.

* Student Edition ISBN 1587130386

Exploring Series 2000: Exploring Microsoft Visual Basic 6.0; Includes Coverage of 1/e

* Student Edition ISBN 0136575943

* Instructor's Resource Manual ISBN 0136195296

Interconnecting Cisco Network Devices.

* Student Edition ISBN 1578701112

Pfaffenberger, 2002. **Computers in Your Future.**

Prentice Hall School Online Catalog.

www.phschool.com/catalog.

* Student Edition ISBN 0130898155

* Instructor's Manual/
Test Item File ISBN 0130317071

* Test Manager ISBN 0130317071

* Instructor's Resource CD-ROM ISBN 0130317098

Phagan, R. Jesse, 1997. **DC/AC: Foundations of Electronics.**

Goodheart-Willcox Online,

goodheartwillcox.com.

* Text ISBN 1-56637-341-7

* Laboratory Manual ISBN 1-56637-350-6

* Study Guide ISBN 1-56637-351-4

* Instructor's Manual ISBN 1-56637-352-2

Rabiee, Max, 2002. **Programmable Logic Controllers.** .

Goodheart-Willcox Online,
goodheartwillcox.com.

- * Text ISBN 1-56637-873-7
- * Laboratory Manual ISBN 1-56637-874-5
- * Instructor's Guide ISBN 1-56637-875-3

RBT Systems. **Fiber Optic Network Cabling.**

RBT Systems, Technical Education.

P.O. Box 324, Round Hill, VA 20142. 540/554-2465. www.rbtsystems.com

REALskills! **A+ and I-Net+ Curriculum Materials.**

8200 Normandale Blvd. Suite 323, Bloomington, MN 55437. 888/837-8449.

www.realskills.com

Roberts, Richard M. 2002.

Computer Service and Repair: A Guide to Troubleshooting, Upgrading, and PC Support.

Goodheart-Willcox Online,
goodheartwillcox.com.

- * Student Edition ISBN 1-56637-876-1
- * Study Guide/Laboratory Manual ISBN 156637-877-X
- * Instructor's Manual ISBN 1-56637-878-8

Rosengrant, 2002. **Introduction to Telecommunications.**

Prentice Hall School Online Catalog.

www.phschool.com/catalog.

- * Student Edition ISBN 0130962007
- * Instructor's Manual ISBN 013032339X

Savitch, 2001. **Java: An Introduction, 2nd Edition.**

Prentice Hall School Online Catalog.

www.phschool.com/catalog.

- * Student Edition ISBN 0130316970
- * Instructor's Resource CD-ROM ISBN 0130320579

Savitch, 2001. **Problem Solving with C++, 3rd Edition.**

Prentice Hall School Online Catalog.

www.phschool.com/catalog.

- * Student Edition ISBN 0201703904

Schneider, David, 1999. **An Introduction to Programming Using Visual Basic 6.0, 4th Edition.**

Prentice Hall School Online Catalog.

www.phschool.com/catalog.

Streib, William, 1997. **Digital Circuits.**

Goodheart-Willcox Online,
goodheartwillcox.com.

- * Student Edition ISBN 1-56637-338-7
- * Study Guide/Laboratory Manual ISBN 1-56637-339-5
- * Instructor's Manual ISBN 1-56637-340-9

Wright, Thomas, 2000. **Technology.**

Goodheart-Willcox Online, goodheartwillcox.com.

- * Text ISBN 1-56637-580-0
- * Student Activity Manual ISBN 1-56637-581-9
- * Instructor's Manual ISBN 1-56637-582-7

Boyce, 2000. **Mathematics for Technical and Vocational Students, 10th Edition.**

Prentice Hall School Online Catalog.
www.phschool.com/catalog.

- * Student Edition ISBN 0130104329
- * Solutions Manual ISBN 0130129364

Cleaves, Hobbs, 2002. **Business Math, 6th Edition.**

Prentice Hall School Online Catalog.
www.phschool.com/catalog.

- * Student Edition (HS Binding) ISBN 0130946907
- * Annotated Instructor's Edition ISBN 0130928097
- * Win PH Custom Test ISBN 0130928127
- * Achievement Tests ISBN 0130928143
- * Study Wizard Tutorial Software ISBN 0130928151
- * Instructor's Resource Manual/
Test Item File ISBN 0130928119

Cleaves, 2001. **College Mathematics for Technology, 5th Edition.**

Prentice Hall School Online Catalog.
www.phschool.com/catalog.

- * Student Edition ISBN 0130861073
- * Instructor's Manual ISBN 0130873446
- * Test Item File ISBN 0130873462
- * WIN PH Test Manager ISBN 0130873489
- * Student's Solution Manual ISBN 013086109X

Ellison/Barry, 2000. **Business English for the 21st Century, 2/e.**

Prentice Hall School Online Catalog. www.phschool.com/catalog.

- * Student Edition ISBN 0130826677
- * Annotated Instructor's Edition
with Transparency Masters, 2/e ISBN 0130843601

Ettinger, 2001. **Communication for the Workplace, 2/e.**

Prentice Hall School Online Catalog.

www.phschool.com/catalog.

- * Student Edition ISBN 0130826685
- * Leader's Guide ISBN 0130305758

Hemphill, 2001. **Communication with Writing Improvement, 1/e.**

Prentice Hall School Online Catalog.

www.phschool.com/catalog.

- * Student Edition ISBN 0130400211
- * Annotated Instructor's Edition ISBN 0130897086

Pearson Education, Inc., 2001. **Meeting Management.** Prentice Hall School Online Catalog.

www.phschool.com/catalog.

- * Student Edition ISBN 0130173916
- * Leader's Guide with Power Point CD ISBN 0130330507

Pearson Education, Inc., 2001. **Communication for the Workplace: An Integrated Language Approach, 2/e.**

Prentice Hall School Online Catalog.

www.phschool.com/catalog.

- * Student Edition ISBN 0130826685
- * Leader's Guide ISBN 0130305758

Pearson Education, Inc., 2001. **Customer Service: Career Success through Customer Satisfaction, 2/e**

Prentice Hall School Online Catalog.

www.phschool.com/catalog.

- * Student Edition ISBN 0130859591
- * Leader's Guide with Tests and Transparency Masters and PowerPoint Slides, 2/e ISBN 0130884677

Pearson Education, Inc., 2001. **Stress Mastery: The Art of Coping Gracefully.**

Prentice Hall School Online Catalog.

www.phschool.com/catalog.

- * Student Edition ISBN 0136347274

REAL Enterprises.

Entrepreneurship curriculum programs for schools, post-secondary institutions, and community-based organizations.

Real Enterprises,

115 Market Street, Suite 320, Durham, North Carolina 27701. 800/798-0643.

www.realenterprises.org.

RHIConsulting: Technology Professionals. 2000 Salary Guide.
RHI Consulting,
2884 Sand Hill Road, Menlo Park, CA 94025. 650/234-6000.
www.rhic.com.

Roebuck, 2001. **Improving Business Communication Skills.**
Prentice Hall School Online Catalog.
www.phschool.com/catalog.

- * Student Edition ISBN 0130155942
- * Annotated Instructor's Edition ISBN 0130311146
with Instructor's CD-ROM

Smith. 2002. **English for Careers: Business Professional, Technical, High School Edition, 8/e.**
Prentice Hall School Online Catalog.
www.phschool.com/catalog.

- * Student Edition, School Binding ISBN 0130661333
- * Annotated Instructor's Edition ISBN 0130619817

Sorenson, 2001. **Business and Management Communication Guide Book, 4/e.**
Prentice Hall School Online Catalog.
www.phschool.com/catalog.

- * Student Edition ISBN 0130870536
- * Instructors Manual ISBN 0130908355
w/Test Item File

Spangler, 2000. **Mathematics for Technical and Vocational Students: A Work text, 2nd Edition.**
Prentice Hall School Online Catalog.
www.phschool.com/catalog

- * Student Edition ISBN 0130114170
- * Instructor's Manual ISBN 0130136956
- * Student Solutions Manual ISBN 0130121096
- * Test Item File ISBN 0130136964
- * WIN PH Test Manager ISBN 0130136972

CAREER DEVELOPMENT

Arizona Career Resource Network (AzCRN)

Arizona's career resource network for career exploration, college information, employability skills, job opportunities, Arizona labor market information, post secondary options, career advice. www.ade.az.gov/cte/azcrn

Career Information System

Provides information on careers, occupations, job search, self-employment, financial aid, programs of study, IDEAS Assessment, assessment link, O*NET Interest Profiler, etc.
www.azcis.intocareers.org

Career Preparation Resources

<http://www.careercruising.com/default.asp>

Keys to Work

www.keys2work.org

Lakeshore Basics and Beyond Catalog

A variety of academic information related to the world of work and job ready skill information.
www.lakeshorelearning.org

Real Games Series

A complete job readiness program. Select the level appropriate for your students. 1-888-700-8940.
www.realgame.com or www.ade.az.gov/cte/azcrn/realgamebrochure

Rich Dad Poor Dad

www.richdad.com

WEBSITES

The Ultimate Vacation (word, excel, publisher)

I am and that's what makes me special (PowerPoint):

<http://www.remc11.k12.mi.us/bstpract/bstpractNew/TechnologyHS.html>

Free tutorials for Photoshop toolbars:

http://www.adobe.com/education/digkids/lessons/activities/pse_lessons.html