

VMS Inc.

Publisher / Distributor

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Trade Specific Workbooks on CD - Math, Writing, Vocabulary

These workbooks on CD provide students with applied math, writing, vocabulary, thinking, transition, and work readiness activities that enable them to practice using their basic skills in a workplace context. In addition to improving their skills, students will learn how to use these skills in the real world. Each disk includes over 150 worksheets.

Print from any computer with a CD drive. Nonconsumable. Cost efficient. For an interactive version of the Applied Math Digital Workbooks, see the *Applied Math Courseware*.

Applied Math - Construction

- PM-AMDCO, \$79.00

Applied Math - Drafting

- PM-AMDDF, \$79.00

Applied Math - Electronics

- PM-AMDEL, \$79.00

Applied Math - Graphic Arts

- PM-AMDGA, \$79.00

Applied Math - Metals/Welding

- PM-AMDMW, \$79.00

Applied Math - Industrial Tech

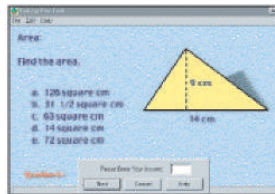
- PM-AMDIT, \$79.00

Applied Writing - Construction

- PM-AWDCO, \$79.00

Applied Writing - Graphic Arts

- PM-AWDGA, \$79.00



Applied Writing - Industrial Tech

- PM-AWDIT, \$79.00

Applied Writing - Metals/Welding

- PM-AWDMW, \$79.00

Applied Vocabulary - Construction

- PM-AVDCO, \$79.00

Applied Vocabulary - Graphic Arts

- PM-AVDGA, \$79.00

Applied Vocabulary - Industrial Tech

- PM-AVDIT, \$79.00

Applied Vocabulary - Metals/Welding

- PM-AVDMW, \$79.00

Applied Thinking - Applied Math

- PM-ATDAM, \$79.00

Applied Thinking - Applied Science

- PM-ATDAS, \$79.00

Work Readiness - Interpersonal Skills

- PM-WRDWIS, \$79.00

Work Readiness - Finding a Job

- PM-WRDWFJ, \$79.00

Work Readiness - Getting a Job

- PM-WRDWGJ, \$79.00

Applied Math Courseware

This CD-based, interactive, multimedia applied math courseware provides career-based math activities related to specific occupational training areas. Students can improve their basic math skills AND learn how these skills are used in the workplace. The multimedia presentation is packed with colorful graphics, helpful math aids, and many skill-building activities. Over 100 reproducible activities are included in the comprehensive user's guide. Covers: addition, subtraction, multiplication, division, fractions, decimals, percents, rounding numbers, ratio & proportion, scales, linear measurement, perimeter, area, volume, temperature, and angles.

Students are assessed with a pretest, followed by a math review. Word problems are covered. Applied math activities are provided. The program manager lets the teacher view & print student work and add his own math problems to the program.

Construction

- PM-AMCCT, \$249.95

Drafting

- PM-AMCDF, \$249.95

Electronics

- PM-AMCEL, \$249.95

Graphic Arts

- PM-AMCGA, \$249.95

Industrial Tech

- PM-AMCIT, \$249.95

Metals/Welding

- PM-AMCMW, \$249.95



Building Trades

2012

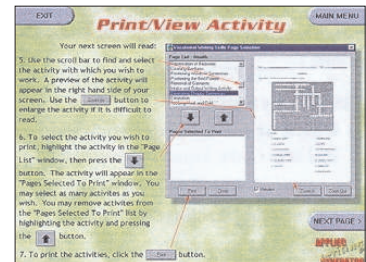
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DVDs, Textbooks

References

SHOPTALK - Vocabulary Development

The words and definitions in SHOPTALK have been compiled to make it easy and fun to teach course-related vocabulary. Each CD contains over 100 worksheets emphasizing words and definitions necessary for students to learn the critical vocabulary skills in their occupational program. SHOPTALK prints 10 different types of worksheets: Code Word, Criss-Cross, Cross Word, Missing Letters, Multiple Choice, Scrambled Words, True/False, Word Misspellings, Word Search, and Writing. See *Trade Words* at www.VMS-online.com for the interactive version.



CAD/Drafting

- PM-STCD, \$59.95

Computer Literacy

- PM-STCLT, \$59.95

Tech Ed

- PM-STTE, \$59.95

Framing

- PM-STFM, \$59.95

Job Words

- PM-STJW, \$59.95

Masonry

- PM-STMR, \$59.95

Plumbing

- PM-STPL, \$59.95

Wiring

- PM-STWG, \$59.95

Sheetmetal

- PM-STSM, \$59.95

Arc Welding

- PM-STAW, \$59.95

Oxy Welding

- PM-STOW, \$59.95

Manufacturing

- PM-STMF, \$59.95

Robotics

- PM-STRO, \$59.95

Woodworking

- PM-STWW, \$59.95

1-800-343-6430 or
www.VMS-online.com

Wiring Device Basic Training Modules



Leviton, the leading manufacturer of wiring devices, developed these excellent training modules for students, apprentices, and journeyman. Each package covers the basics of the performance and installation of switches, receptacles, & GFCIs. Each includes a VHS videotape, a CD-ROM which is identical to the video, and an audio tape which has the narration from the video. There is an instructor's guide. Illustrations of each component and its usage in a normal circuit are shown and a short test is included. In addition, most contain actual product samples so that the student can learn to recognize the component and see details.

- **Receptacles (9 receptacles):** LVT-002, \$40.00
- **GFCI's (6 GFCIs):** LVT-003, \$60.00
- **Switches (8 switches):** LVT-001, 40.00

Industrial Controls

Fundamentals of Industrial Controls and Automation: Basic Text on Electricity, Electronics, Control Components and Automation

Modern manufacturing techniques require dependable electrical control systems. Proper use of electrical controls can maximize productivity, minimize downtime, simplify maintenance, improve safety, and provide information to effectively manage operations.



Reviews the electrical fundamentals that are necessary to understand operation. Discusses inputs, logic devices and output devices commonly used in industrial applications. Explains the schematic symbols and logic used to read and create ladder logic diagrams. Introduces programmable controllers and how they are used to simplify and improve control systems. Discusses industrial temperature control systems. Includes glossary and appendix.

- **Softcover, 280 pages, WMK-19046, \$34.95**

Residential Electricity & Electronics Videos

Residential Electrical Wiring

This series is filled with information on installing, upgrading, and updating residential electrical service. Detailed descriptions are available on our website at www.VMS-online.com. Approximately 20 minutes each. VHS available online.

The Service Entrance

Choosing cable, connecting the meter base.

- **DVD: MD-33755, \$99.95**

Panelboards

Mount the panel box, connect cables, install sub-panels, work with breakers and fuses.

- **DVD: MD-33756, \$99.95**

Wiring Methods

Covers conduit, pulling wire, setting up a system.

- **DVD: MD-32072, \$99.95**

Grounding

What is grounded and how. Shows how to install a low-resistance panel-to-earth system. Testing.

- **DVD: MD-32073, \$99.95**

GFCIs & AFCIs

Where to use, how to wire, how to test.

- **DVD: MD-32074, \$99.95**

Receptacles & Switches

Includes kinds, how many to install, where, how to wire.

- **DVD: MD-32075, \$99.95**

Wiring Light Fixtures

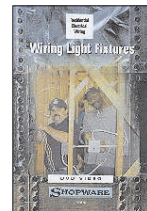
Installing and controlling lighting. Includes fans and recessed and exterior lighting.

- **DVD: MD-32076, \$99.95**

Wiring for Appliances

Includes information on wall heaters, stoves, garbage disposals, thermostats, appliances.

- **DVD: MD-32077, \$99.95**



Basic Electronics

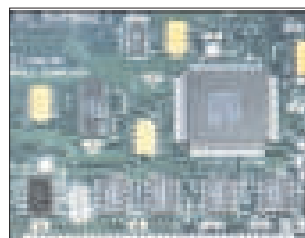
Newly revised! Provide a comprehensive study of electronics and the principles of electricity. Each contains computer animation and hands-on demonstrations. Approximately 20 minutes each. Complete descriptions at www.VMS-online.com.

Electrical Principles

- **DVD: MD-35393, \$89.95**

Electrical Circuits: Ohm's Law

- **DVD: MD-35394, \$89.95**



Electrical Components, Part I: Resistors/Batteries/Switches

- **DVD: MD-35395, \$89.95**

Electrical Components, Part II: Capacitors/Fuses/Flashers/Coils

- **DVD: MD-35396, \$89.95**

Electrical Components, Part III: Transformers/Relays/Motors

- **DVD: MD-35397, \$89.95**

Electrical Troubleshooting

- **DVD: MD-35401, \$89.95**

Electronics Components, Part I: Semi-conductors/Transistors/Diodes

- **DVD: MD-35398, \$89.95**

Electronics Components, Part II: Operation - Transistors/Diodes

- **DVD: MD-35399, \$89.95**

Electronics Components, Part III: Thyristors/Piezo crystals/Solar Cells/Fiber optics

- **DVD: MD-35400, \$89.95**

Electronic Circuit Repair

- **DVD: MD-35402, \$89.95**

Electrical Licensing Exam Guide, 3E

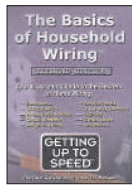


Completely updated to the 2011 NEC, this is a comprehensive test preparation guide. Provides sample exams with answer keys, study tips and strategies, secrets to improve test scores.

- **Softcover, 272 pages, DR-545505, \$39.95**

**Need additional information?
Call toll-free 1-800-343-6430
or visit our website at
www.VMS-online.com**

The Basics of House Wiring, Extended Ed



This program features training designed to teach electrical wiring techniques in a faster, more effective way. Instead of manuals, a professional takes you through everyday wiring situations to teach you how to tackle each problem. It covers: Service panels and breakers; wires, cables and gauges;

Rough-in wiring; Switches, receptacles, lights; Safety and testing; Special wiring situations; Voltage, watts, amps; Three-way switches; and more. Diagrams show how electricity flows through the wiring.

• **DVD: 60 minutes, MMG-06494, \$24.95**

Electrical Safety Package

Safety Basics, NEW 2nd Edition



This safety program has been completely revised and updated. It is produced by Cooper Bussmann for the electrical worker to reduce property damage, personal injury, or even save a life. It can be one of the most important safety training opportunities offered to your students. The whole package is a

comprehensive two-hour training session which includes topics on NFPA safety standards, personal protection equipment, lockout/tagout guidelines, common hazards, accident procedures, and more. The kit includes a video, a CD with powerpoint presentations, the Handbook for Electrical Safety, instructor's guide, participant's guide, certification cards, and more. A package of 10 handbooks and 10 participants guides is also available.

• **Training Kit: CB-SBK, \$200.00**

• **10 extra handbooks & guides: CB-SBTH, \$85.00**

ElectriCalc® Pro

Electrical Code Calculator compliant with the 2005 NEC. Solve tough electrical calculations in seconds. The ElectriCalc Pro is a complete electrical reference tool that will save time and money. It is fully updateable for future NEC® revisions. Simple keystrokes solve electrical calculations in seconds! Includes a protective hardcase.



- * Displays NEC table number when computing wire sizes
 - * Integrated voltage drop solutions
 - * Conduit sizing
 - * Motor full-load amps; Fuse/breaker sizes
 - * Service and equipment grounding conductor sizes
 - * Complete User's Guide
- **CI-5060 (Handheld), \$99.95**

2011 National Electrical Code

NEW

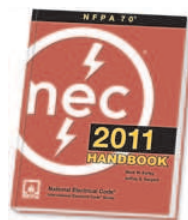


Published by NFPA, the National Electrical Code is the most important document in the electrical industry. This edition is updated with the major changes reflecting vast technological developments occurring in the fields. It incorporates hundreds of changes, resulting in

new and revised articles on key topics such as grounding, overcurrent protection, and broadband communications.

- **Softcover: DR-659143, \$85.00**
- **Looseleaf Binder: DR-657150, \$95.00**
- **Spiralbound: DR-542306, \$90.00**

NFPA's Official 2011 NEC Handbook



The NEC Handbook brings you the complete, reorganized text of the new 2011 Code, plus clear, authoritative commentary. Over 500 photographs, illustrations, graphs and charts enable you to visualize complex concepts and put them to work. It includes a guide to explain its features and

functions.

• **Hardcover, DR-659167, \$149.00**

NEC 2011 Tabs

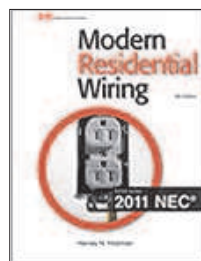
Self-adhesive tabs to mark sections of the NEC.

• **DR-536978, \$16.50**

Modern Residential Wiring 2011

by Harvey N Holzman

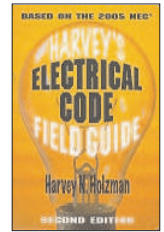
Provides essential information about the tools, materials, equipment, and processes encountered in the electrical trade. Covers wiring and the related areas of motors, telephone and computer network wiring. Provides a sound background in electrical principles and practices based on the 2011 National Electrical Code.



- **Text: Hardcover, 364 pages, GW-5828, \$76.00 (5 or more - \$57.00)**
- **Workbook: 116 pages, GW-5835, \$24.00 (5 or more - \$18.00)**
- **Instructor's Resource CD: GW-5842, \$248.00**
- **ExamView Assessment CD: GW-5859, \$244.00**
- **PowerPoint CD: GW-5866, \$240.00**

Pocket Reference

Harvey's Electrical Code Field Guide, 2nd Ed By Harvey N Holzman



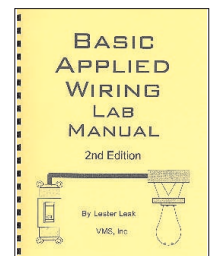
This is a VERY handy pocket/tool box reference to the essential electrical tables, charts, and codes every electrician needs to know. Covers formulas, service entrance & feeders, branch circuits, motors, transformers, terms & symbols, more. Updated to the 2005 NEC.

- **Softcover, 156 pages, IP-31918, \$15.95 (5 or more \$12.76)**
- **Student Edition: Softcover, 156 pages, VMS-2100, \$9.95 (5 or more - \$7.46)**

Lab Manual

Basic Applied Wiring Lab Manual, 2nd Ed

An excellent workbook/lab manual that will coordinate with any text. Teachers and trainers are enthusiastic because the workbook allows them to schedule and control lab activities. Five units cover basic electricity, residential wiring, commercial wiring, low-voltage wiring, and relays and motor controls. Each job sheet contains an equipment list, background information, objectives, and student worksheets. Includes grading criteria.



• **Spiralbound, 112 labs, VMS-6200, \$36.00 (5 or more - \$27.00)**

Two of the units in this lab manual are also available separately. Great for short courses.

Basic Electrical Circuits

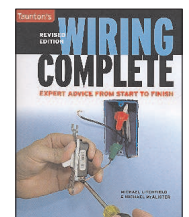
• **23 labs, VMS-6201, \$9.00 (5 or more - \$6.75)**

Relays & Motor Controls

• **49 labs, VMS-6205, \$17.00 (5 or more - \$12.75)**

Wiring Complete, Revised Ed

Covers every last detail of any wiring project you might encounter – with site-tested advice from the pros. From understanding electricity and choosing tools to wiring switches, lights, thermostats, furnaces and media centers, it's all here - with detailed instructions and trade secrets only an expert would know.



• **Softcover, 251 pages, TA-71303, \$21.95**

More electrical textbooks available at www.VMS-online.com

Modern Carpentry, 11E

by Willis H Wagner and Howard “Bud” Smith

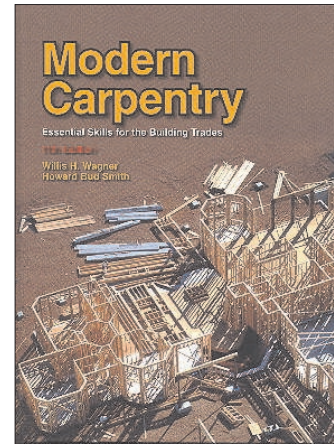
A colorful, easy-to-understand source of authoritative and up-to-date information on building materials and construction methods. The text provides detailed coverage of all aspects of light frame construction, including site preparation and layout; foundations; framing; sheathing; roofing; windows and doors; exterior finish; and interior wall, floor, and ceiling finish. Special emphasis is placed on the use of modern tools, materials, and prefabricated components.

Features:

- * Clear, nontechnical language and detailed illustrations.
- * Includes step-by-step procedures.
- * New safety unit, plus additional safety materials printed in RED throughout.
- * Coverage of residential/light commercial construction.
- * Math appendix covers required skills.

The instructor’s manual provides suggested teaching methods; answers to text workbook questions and quizzes and exams; and reproducible masters. The resource binder includes the instructor’s manual plus additional information and 48 full-color transparencies.

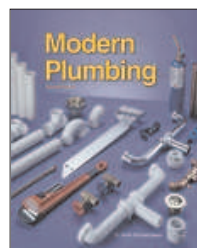
• **Text: Hardcover, 1000 pages, GW-6480, \$93.28 (5 or more - \$69.96)**



- **Workbook: Softcover, 182 pages, GW-6497, \$24.00 (5 or more - \$18.00)**
- **Instructor’s Manual: Softcover, 510 pages, GW-6503, \$98.00**
- **Instructor’s Resource Binder (includes Instructor’s Manual): GW-6510, \$260.00**
- **Instructor’s Resource CD (includes test creation software): GW-6527, \$260.00**

Modern Plumbing

This text provides basic information about safety, tools, materials, equipment, procedures, and career opportunities in the plumbing field. Written in simple language and heavily illustrated. Content covers both hand and machine tools and supplies background knowledge necessary for vocational competence.



- **Text: Hardcover, 640 pages, GW-2360, \$93.28 (5 or more - \$69.96)**
- **Job Practice Manual: Softcover, 224 pages, GW-2377, \$26.64 (5 or more - \$19.98)**
- **Instructor’s Manual: GW-2384, \$94.00**
- **Instructor’s Resource CD: GW-2391, \$248.00**
- **ExamView Test Creation Software: GW-2407, \$244.00**
- **PowerPoint Presentations (over 2000 slides): GW-2414, \$240.00**

Modern Masonry 2010

Provides a thorough grounding in safe methods of laying brick, block, and stone, as well as a broad understanding of materials and their properties.

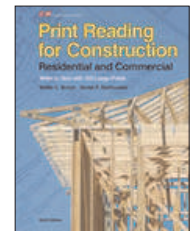
The text covers the important aspects of the masonry trade including tools and equipment; safety; the makeup, properties, uses, and sizes of masonry units, accepted techniques for laying all kinds of masonry units in all kinds of bonds; construction details for masonry walls, foundations, pavement, steps, garden walls, and masonry arches, and over 75 procedures for laying brick, block, and stone.



- **Text: Hardcover, 384 pages, GW-2438, \$69.28 (5 or more - \$51.96)**
- **Job Practice Manual: 294 pages, GW-2445, \$26.64 (5 or more - \$19.98)**
- **Instructor’s Manual: GW-2452, \$40.00**

Print Reading for Construction, 6E

A combination text/workbook intended for vocational students, apprentices, and building trades workers who want to increase their knowledge of print reading and construction drawings. Includes an expanded glossary, updated CSI Specifications, and new activities and projects. Also includes a set of 125 residential and light commercial (17”x22”) foldout prints that provide learners with realistic on-the-job experiences.



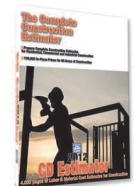
- **Text: Spiralbound, 350 pages, GW-8027, \$80.00 (5 or more - \$60.00)**
- **Instructor’s Resource CD: GW-8065, \$248.00**
- **Powerpoint Presentations (over 600 slides): GW-8089, \$240.00**
- **ExamView Test Creation Software: GW-8072, \$244.00**

Construction Estimating & Forms

2012 CD Estimator

CD Estimator puts at your fingertips 150,000 construction costs for new construction, home improvement, remodeling, renovation & insurance repair, electrical, plumbing, HVAC, painting and concrete & masonry, and new for 2021 estimating & bidding forms.

- **CBC-2646, \$108.50**



2012 National Construction Estimator

Building costs for residential, commercial, and industrial construction. Includes a CD-ROM with an electronic version of the book with National Estimator, a stand-alone Windows estimating program, plus an interactive multimedia video that shows how to use the disk to compile construction cost estimates.

- **Softcover, 672 pages, CBC-2578, 72.50**

Construction Estimating

Designed to help the student learn how to estimate materials for wood and light steel residential structures. Emphasizes terminology, plan reading, code, and good construction practices.

- **Softcover, 477 pages, RWP-333800, \$49.50**



Additional estimating books/CDs at www.VMS-online.com

Fine Homebuilding Books & DVD - Framing & Decks

Framing

The following book and companion DVDs by Larry Haun show all the techniques and skills needed to frame a basic house, from laying down the sills to cutting the rafters. Covers tools, materials, codes, permits, safety. It is a rare chance to watch a house being framed.

The Very Efficient Carpenter

- Softcover, 208 pages, TA-7455, \$22.95

DVDs

Framing Floors & Stairs

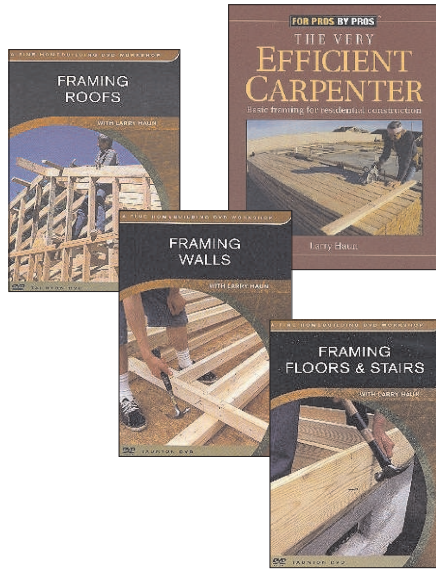
- DVD: 60 minutes, TA-61021, \$19.95

Framing Walls

- DVD: 60 minutes, TA-61023, \$19.95

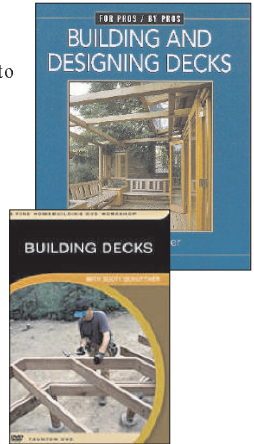
Framing Roofs

- DVD: 60 minutes, TA-61022, \$19.95



Building and Designing Decks

Scott Schuttner's book and video provide all the information needed to design and build a sturdy, long-lasting deck - of any size, shape, style. Covers the entire deck building process from the foundation to the finish. Includes choosing lumber/hardware, footings, framing, finishing.



- Book: Softcover, 154 pages, TA-7449, \$19.95

- DVD: 70 minutes, TA-61051, \$19.95

Build a Deck

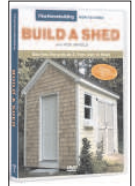


Covers issues like safety, building codes, and hidden problems to address upfront. Walks you through every step of the project.

- DVD: TA-61090, \$19.95
- Book: Softcover, 192 pages, TA-7595, \$19.95

Build a Shed

Let Rick Arnold guide you through 16 episodes that show you how to start with the right foundation, measure for a perfect fit, construct and raise the walls, install door and window modules, attach siding, build trusses, and shingle the roof.



- DVD: TA-61089, \$19.95
- Book: Softcover, 224 pages, TA-7974, \$19.95

Concrete Secrets: Driveways & Sidewalks

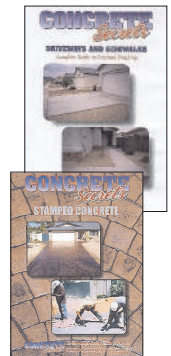
Step-by-step how to order, pour, rod, tamp, bullfloat, edge, joint, and broom.

- DVD: 30 minutes, BV-605XDVD, \$39.95

Concrete Secrets: Stamped Concrete

Step-by-step how to on stamped concrete with maximum color, durability, and strength.

- DVD: 30 minutes, BV-605XDVD, \$39.95



Inside the Mason's Toolbox

Learn about common tools; brick, block, tile, stone, concrete; fasteners; estimating materials; and safety.

- DVD: 26 minutes, MD-37048, \$99.95

Masonry & Concrete Foundations

Learning the Art of Laying Brick

This DVD combines all three programs on one DVD. Part 1 discusses tools and materials needed to set up the work area. It shows how to mix lime mortar that can be reused. Part 2 demonstrates the proper use of the trowel, spreading mortar, and laying brick to the line. Part 3 continues with proper techniques, demonstrating concrete block laying, and involves building a combination brick and block wall.

- DVD: 105 minutes, PSM-103DVD, \$265.95

Exterior & Interior Design

This new DVD combines two programs on one DVD. Part 1 shows hundreds of ways brick and stone have been used in creating fireplaces, lobbies & entryways, floors, stairways, arched/curved walls, sculptured brick, more. Part 2 shows ways masonry is used in creating arched entries, columns and beams, window/door frames, mailboxes, fences, landscaping.

- DVD: 65 minutes, PSM-101DVD, \$79.95

Tricks of the Trade

Combines six programs that demonstrate more complicated techniques that the professional mason uses. Topics include mortar and its uses; building masonry arches and columns; corner poles and the masonry tape; anchoring brick veneer; reinforcing masonry walls; building a brick wainscot.

- DVD: 105 minutes, PSM-104DVD, \$165.95
- Save on all three DVDs: PSM-105SET, \$489.95

Books

Working with Concrete

From design and excavation to waterproofing, this in-depth reference provides a wealth of information on residential concrete work.

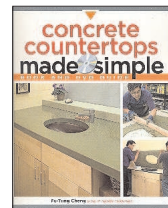
- Softcover, 192 pages, TA-7667, \$19.95



Concrete Countertops Made Simple

This book & DVD set shows step-by-step procedures - from making the template to final finishing - to create beautiful concrete countertops.

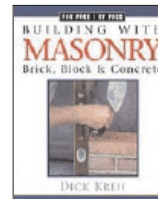
- Softcover/DVD: 106 pages, TA-7927, \$21.95



Building with Masonry: Brick, Block & Concrete

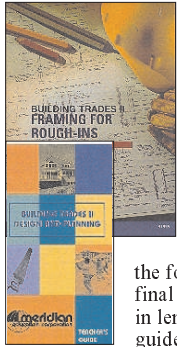
The Pros show you how.

- Softcover, 192 pages, TA-7465, \$24.95



1-800-343-6430 or
www.VMS-online.com

Building Trades II



This new series of DVDs was created in conjunction with the National Association of Home Builders. They combine clearly depicted step-by-step instructions with concise explanations to help students master the skills of home construction - whether assessing the job, putting it on paper, laying the foundation, or putting on the final touches. Each is 18 minutes in length and includes a teacher's guide. Also available in Spanish.

Design & Planning: How to Read Blueprints

How homes get built on paper, what kinds of considerations drive many of the decisions and choices, and how to read blueprints.

• DVD: MD-31948, \$79.95

Construction Estimating: Industry Standards

Learn a number of industry standard techniques used to calculate the amounts of building materials for common construction projects.

• DVD: MD-31949, \$79.95

Location & Excavating: Site Preparation

Considerations that go into choosing a site, as well as the first big step on site: breaking ground.

• DVD: MD-31950, \$79.95

Foundations

Explains three types of foundations - basement, crawl space, and slab-on-grade - and illustrates basic techniques and concerns.

• DVD: MD-31951, \$79.95

Introduction to Framing

Detail the basics of framing applications.

• DVD: MD-31952, \$79.95

Floor & Wall Framing

Looks at both interior and exterior walls & materials.

• DVD: MD-31953, \$79.95

Ceiling & Roof Framing

Looks at spans, hip and valley rafters, purlins, ceiling joists, and planking.

• DVD: MD-31954, \$79.95

Framing for Rough-Ins

Covers plumbing, HVAC, and electrical considerations when framing.

• DVD: MD-31955, \$79.95

Alternative Framing Techniques

Looks at popular industry options in terms of materials and construction plans.

• DVD: MD-31956, \$79.95

Wall & Roof Sheathing

Examines various sheathing materials.

• DVD: MD-31957, \$79.95

Frames: Windows & Doors

Covers all aspects of construction including sills and flashing.

• DVD: MD-31958, \$79.95

Thermal Insulation & Vapor Barriers

Essentials of weather stripping, loose fill & rigid insulation, R-values, vapor barriers, estimating materials.

• DVD: MD-31959, \$79.95

Ventilation

Procedures for the installation of vent flashing and ports.

• DVD: MD-31960, \$79.95

www.VMS-online.com
for further information.

Interior Wall & Ceiling Finish

Looks at drywall materials, wood paneling, plaster and cement board.

• DVD: MD-31961, \$79.95

Interior Doors, Frame, & Trim

Methods and materials for installing doors.

• DVD: MD-31962, \$79.95

Plumbing: Rough-In & Final

Details water systems and drainage, waste, and venting as well as necessary tools.

• DVD: MD-31963, \$79.95

Electrical: Rough-In & Final

How to install cable, wire, boxes, switches, outlets, etc., with safety issues covered and based on NEC standards.

• DVD: MD-31964, \$79.95

Mechanicals: Rough-In & Final

HVAC installation - furnaces, air exchanges, AC, warm-air perimeter systems.

• DVD: MD-31965, \$79.95

Flooring Coverings

Wood, tile, and carpeting.

• DVD: MD-31966, \$79.95

Roofing, Siding, & Finishings

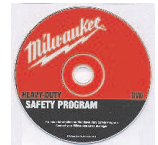
Looks at the ways to apply the finishing touches in roofing & siding, cabinetry, stairs, and painting.

• DVD: MD-31967, \$79.95

Heavy Duty Safety Program

A really fun program by Milwaukee Power Tools on worksite tool safety.

• DVD: 15 minutes,
MT-0002, \$39.95



2012 International Building Code

Addresses design and installation of building systems with requirements that emphasize performance.

• Softcover: 675 pages, DR-830403, \$117.50

• Looseleaf: 675 pages, DR-830397, \$131.75

2012 International Residential Code

Brings uniformity to construction of one- and two-family dwellings and townhouses up to three stories high.

• Softcover: 620 pages, DR-830427, \$102.00

• Looseleaf: 620 pages, DR-830410, \$120.00

2012 International Energy Conservation Code

Covers energy efficiency provisions for residential and commercial buildings, energy-efficient design, and requirements for thermal performance and air leakage.

• Softcover: 224 pages, DR-830588, \$37.50



2012 International Mechanical Code

Covers HVAC, exhaust systems, chimneys & vents, ducts, appliances, boilers, water heaters, refrigeration, hydronic piping, solar.

• Softcover: 130 pages, DR-830519, \$71.50

• Looseleaf: 130 pages, DR-830502, \$82.50

2012 International Plumbing Code

Addresses minimum provisions for fixture, piping, fittings, and devices as well as design and installation methods for supply and drainage.

• Softcover: 150 pages, DR-830533, \$75.00

• Looseleaf: 150 pages, DR-830520, \$87.00

Building Codes Illustrated, 3rd Ed

Illustrations by Francis D K Ching visually explain the new 2009 building codes.

• Softcover, 416 pages, WL-191439, \$55.00

Home Maintenance & Repair

Home Repair and Maintenance by Jack M Landers



Provides students with the basic information needed to safely use hand tools, power tools, and assorted building materials. Highly illustrated, this text teaches the skills and techniques used in carpentry, masonry, plumbing, electrical wiring, and other building trades, as related to home repair.

Features:

- * Troubleshooting and repair procedures.
- * Step by step instructions.
- * Information on building codes and hazardous materials.

Chapters on home safety, tools, roofs, doors and windows, cabinets, house and yard maintenance, heating, insulation, more.

- **Text: Hardcover, 385 pages, GW-2739, \$56.00 (5 or more - \$42.00 each)**
- **Instructor's Guide: GW-2747, \$30.00**

Architecture

Green Architecture: Environmentally Friendly Housing

Tracks teams of college students competing in the 2007 Solar Decathlon. Watch as they hone their construction skills to create appealing living spaces that require zero energy.

- **DVD: 31 minutes, MD-39106, \$99.95**

A Visual Dictionary of Architecture, 2E

One picture is worth a thousand words! Instead of an alphabetical listing, the information is clustered around basic aspects of architecture - design, color, room, wall, etc. Terms can then be shown in context with related terms. An exact term can be looked up in the Index.



- **Softcover, 336 pages, WL-648858, \$55.00**

Building Construction Illustrated, 4th ed

Comprehensive, detailed construction drawings for drafting & architecture.

- **Softcover, 460 pages, WL-087817, \$49.95**



Ultimate Guide: Wiring 7E

This book is very complete, yet very simple to understand. Every page has several line drawings - in full color! The text is simple, straight to the point, and next to illustrations that make points clear. Includes excellent coverage of safety and tool use. Shows how to replace an outlet, repair a lamp, extend electrical circuits, install ceiling/attic fans and programmable thermostats, outdoor wiring, doorbells, and smoke detectors, more.

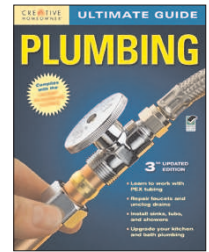


- **Softcover, 304 pages, CHP-278240, \$18.95**

Ultimate Guide to Plumbing, 3E

A thorough treatment of the tools, materials, and processes of residential plumbing installation and maintenance. Ideal for classes in plumbing as part of a construction or home maintenance class.

- **Softcover, 304 pages, CHP-278205, \$18.95**



**1-800-343-6430 or
www.VMS-online.com**

Building Conservation & Renovation

Winners of the President's Historic Preservation Award for "documenting early building craft techniques . . . and using contemporary technology for the preservation of historic buildings."

Ornamental Plaster

Shows the making of Scagliola, or false marble, the casting of plaster for historic details, and modern latex molds. Installation of plaster and modern cast styrene and fiberglass molding.

- **DVD: 30 minutes, PT-0012, \$45.00**

Ornamental Painting

Shows the creation of architectural detail by using paint to imitate wood, marble, and other materials.

- **DVD: 30 minutes, PT-0011, \$45.00**

Polychrome Slate Roofing

Shows the stripping of an existing slate roof and its replacement. Safety emphasized. Shows copper, tin, wood shingles as well as guttering/downspouts and tools and materials.

- **DVD: 30 minutes, PT-0014, \$45.00**

Stained Glass Restoration

Removal, repair, replacement in a church.

- **DVD: 37 minutes, PT-0005, \$45.00**

Retrofitting Art Deco Lighting/Fidelity Bank

Includes art deco lighting as well as marble and metal cleaning.

- **DVD: 30 minutes, PT-0006, \$45.00**

Architecture

What Style Is It? A Guide to American Architecture, Revised Edition

Shows the architectural styles that surround us from Gothic Revival and Richardsonian Romanesque to Prairie School and Art Deco.

- **Softcover, 160 pages, WL-250368, \$24.95**

Master Builders: A Guide to Famous American Architects

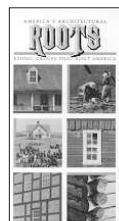
Profiles 40 famous architects from Henry Richardson to I M Pei, matching faces with America's most well-known buildings.

- **Softcover, 204 pages, NT-1115, \$29.95**

America's Architectural Roots: Ethnic Groups That Built America

Explores the ethnic derivations of American buildings.

- **Softcover, 196 pages, NT-1239, \$24.95**



Architecture Timeline

Spans the built environment from prehistory to the present and includes six laminated panels printed on heavy card stock. Over 96 architectural illustrations featuring different eras and styles throughout time. A timeline of historical events runs along the bottom.

- **Six 27" x 13" panels, CPD-6100, \$34.95**

The Visual Handbook of Building & Remodeling

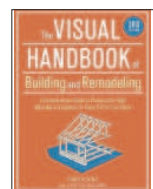
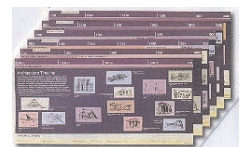
A comprehensive guide to choosing the right materials and systems for every part of your home.

- **Softcover, 640 pages, TA-71297, \$29.95**

Architectural Graphic Standards 11E

The bedrock design reference for over 75 years. Covers key changes in design standards, including lighting, security, and seismic design and updated coverage of sustainable building design and construction. Contains over 8,000 graphics.

- **Hardcover, 1120 pages, WL-700913, \$250.00**
- **CD Version: WL-043233, \$375.00**



Code Check Complete, An Illustrated Guide to the Building, Plumbing, Mechanical & Electrical Codes



This new book combines all the codes into a single edition. It spotlights the safety issues behind all the codes.

- **Spiralbound, 240 pages, TA-7930, \$40.00**

Code Check: An Illustrated Guide to Building a Safe House, 6th Edition

600 of the most common building code questions answered. Contains residential construction code information gathered from more than 2500 pages of major model US building, plumbing, electrical codes.



- **Spiralbound, 32 pages, TA-71246, \$18.95**



Code Check Plumbing & Mechanical: An Illustrated Guide to the Plumbing & Mechanical Codes, 4th Ed

An extremely handy guide to have on the job site! Referenced to the Uniform Plumbing Code and the International Plumbing Code, it provides answers to hundreds of common plumbing code questions.

- **Spiralbound, 48 pages, TA-71330, \$24.95**

Code Check Electrical: An Illustrated Guide to Wiring a Safe House, 6E

Provides comprehensive information on electrical codes. Compiled by a Certified combination Building Inspector, this volume is referenced to the 2011 NEC.



- **Spiralbound, 32 pages, TA-71331, \$19.95**

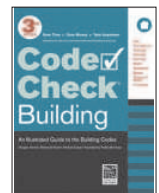
Code Check HVAC: A Field Guide to Heating and Cooling 2nd Edition

- **Spiralbound, 32 pages, TA-7800, \$17.95**

Code Check Building: An Illustrated Guide to the Building Codes, 3E

Delivers up-to-date information on the 2011 Intl Residential Code.

- **Spiralbound, 32 pages, TA-71324, \$19.95**



Plumbing

Covers the installation of basic plumbing systems in new construction, remodels; tools, systems and materials, design, pipe joinery, plumbing codes, troubleshooting problems.

- **Softcover, 256 pages, TA-7867, \$24.95**



Drywall, 3rd Edition NEW!!

This book and video cover choosing materials, installation techniques, textured finishes, curves, more.

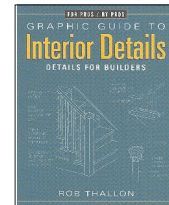
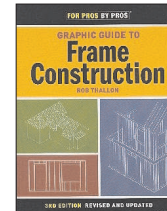
- **Softcover, 224 pages, TA-7966, \$19.95**
- **DVD: 45 minutes, TA-61026, \$19.95**



Graphic Guide to Frame Construction: Details for Builders and Designers, 3rd Ed

Covers foundations, floors, walls, roofs, and stairs. Reflects new materials and methods. A unique, visual approach to the construction process. Over 400 drawings offer an alternative to word-heavy basic building texts.

- **Softcover, 240 pages, TA-71226, \$24.95**



Graphic Guide to Interior Details: Details for Builders and Designers

An authoritative guide to interior construction details. Drawings for hundreds of assemblies.

- **Softcover, 208 pages, TA-7453, \$24.95**

Wiring a House, 4th Ed

The standard reference on residential wiring. Updated to the current electrical code, it covers GFCIs and AFCIs, standby generators, panels and subpanels, house renovation, more.

- **Softcover, 330 pages, TA-71301, \$24.95**



Kitchen & Bath Laminate Countertops 101

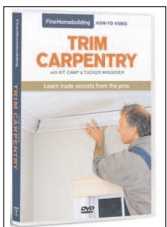
A comprehensive how-to guide to building laminate countertops. Includes how to cut, build, finish, and install postform and square-edge countertops.

- **DVD: 45 minutes, CR-0369, \$29.95**

Trim Carpentry - DVD

Follow two experts as they show you how to approach three projects: assembling and installing crown molding, running baseboard, and trimming out a window

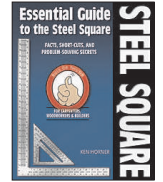
- **DVD: 45 minutes, TA-61091, \$19.95**



Essential Guide to the Steel Square

Learn to solve virtually every geometry and layout problem with this handy guide. It is invaluable for building stairs, roofs, rafters, and everything else. Loaded with diagrams, advice, and exercises.

- **Softcover, 192 pages, FX-3423, \$19.95**



The Pocket Size Carpenter's Helper

All the tables, charts, and formulas a student or carpenter needs. A must-have reference for every student.

- **Spiralbound, 3.25" x 6", 123 pages, RSW-5006, \$14.95**



Basic Roof Framing

Calculating rise, run, and pitch. Lay out and cut common and hip rafters.

- **DVD: 147 minutes, AT-1001, \$49.95**

Advanced Roof Framing

Architect's scale, irregular hip roof; plan, design, and find the framing point. Calculate cheek cuts, shortenings, and setbacks. Complicated angles; jack rafters, fascia, and hip rafters.

- **DVD: 129 minutes, AT-1002, \$49.95**

Modern Foundations 1

Describes every aspect of a poured-in-place concrete foundation with 9' basement walls.

- **DVD: 105 minutes, AT-1004, \$80.00**

Modern Foundations 2

Covers slab on grade: post-tensioned or rebar engineered. Staging of fill, plumbing, etc.

- **DVD: 112 minutes, AT-1005, \$80.00**

Basic Level & Transit Operation

How to set up a transit, read the circle arc and vernier, use a leveling rod and target, perform basic stadia surveying, execute right-angle layouts, level a pad on a hillside or slope, figure elevations, layout a building, square corners using the diagonal and 3-4-5 rules.

- **DVD: 25 minutes, AT-1003, \$80.00**

For Pros, By Pros: Finish Carpentry

How to select tools & materials. Techniques for installing crown molding, wainscot, door & windows, baseboard, and more.

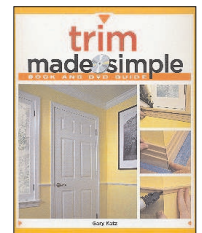
- **Softcover, 250 pages, TA-7868, \$24.95**



Trim Made Simple - Book with DVD

The basics of trim. Watch the DVD and see Gary Katz show you how to case a door and window and install baseboard, chair rail, and crown molding. The book includes photos and instructions.

- **Softcover/DVD, 106 pages, TA-71227, \$21.95**



Stairbuilding

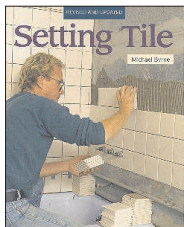
Basic Stairbuilding

Practical, job-site instruction with tips and jigs that can save time and money. Information on straight-run, L-shaped, and open-riser stairs. Information on how to figure the rise and run, lay out carriages with a framing square, cut and install carriages and treads, anchor stairs to the framing, and install newel posts and balusters.

- **DVD: 60 minutes, TA-61052, \$19.95**
- **Book: Softcover, 256 pages, TA-70929, \$24.95**



Ceramic Tile



Setting Tile, Revised

Starts with the basics; covers real installations; includes floor, wall, countertop, and bathroom techniques. Explains tools, materials, preparation, and layout. Shows new grouts, underlayments, and thinset techniques.

- **Softcover, 260 pages, TA-7209, \$19.95**

Tiling Countertops

Learn how to work with backer-board and mortar-bed substrates, lay tile around a sink, and detail your countertops.

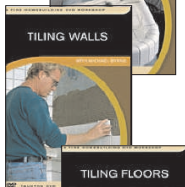
- **DVD: 60 minutes, TA-61045, \$19.95**



Tiling Walls

All the techniques you need, including how to handle out-of-plumb walls, maneuver around plumbing, and more.

- **DVD: 75 minutes, TA-61047, \$19.95**



Tiling Floors

Basic procedures to special techniques. Learn how a border can simplify a diagonal layout, how to mix/float mortar for a flat substrate, and how to keep a floor from cracking.

- **DVD: 60 minutes, TA-61046, \$19.95**



Tiling Complete

Learn about tile, design options, advice on tools and techniques, installation and materials, and tips & techniques.

- **Softcover, 240 pages, TA-7864, \$21.95**

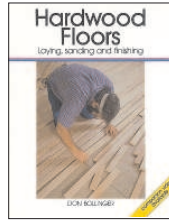


Hardwood Floors

Hardwood Floors: Laying, Sanding and Finishing

This comprehensive book shows how to install a strip, plank, or parquet floor - and then finish it.

- **Softcover, 144 pages, TA-7103, \$19.95**



Laying Hardwood Floors

Learn the types of flooring available; how to remove old flooring, prepare the subfloor; use power nailers; establish a baseline and lay out the floor; lay flooring around awkward spots; and allow for seasonal expansion of the floor.

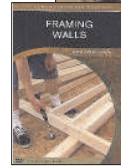
- **DVD: 60 minutes, TA-61020, \$19.95**



Sanding and Finishing Hardwood Floors

Prepare a floor for sanding; seal rooms against dust; load and operate sanders; use an edger; remove marks; apply finish.

- **DVD: 40 minutes, TA-61025, \$19.95**



Wood Flooring

Step-by-step installation of a wood strip floor.

- **DVD: 60 minutes, TA-61061, \$19.95**
- **Book: Softcover, 336 pages, TA-70989, \$45.00**

Cabinetmaking

Making Kitchen Cabinets

See the step-by-step procedures of 32mm cabinet construction. Levine simplifies details for easy mastery. Make one or a whole kitchenful of cabinets. Reinforces theory with applications and tips.

- **DVD: 60 minutes, TA-61050, \$19.95**



Installing Kitchen Cabinets and Countertops

Carpenter Tom Law shows viewers how to install good-quality, factory-made kitchen cabinets, as well as the countertops that bridge the cabinets.

- **DVD: 45 minutes, TA-61049, \$19.95**



Building Kitchen Cabinets

This book is the ideal introduction to custom-building kitchen cabinets.

- **Softcover, 176 pages, TA-7614, \$19.95**



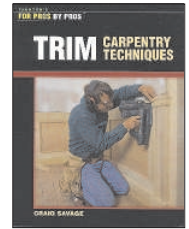
Finish Carpentry

Trim Carpentry Techniques

by Craig Savage

Includes all the information needed to do quality trim work in every situation. It covers crown molding, base molding, door and window trim, more.

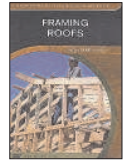
- **Softcover, 186 pages, TA-7450, \$19.95**



Installing Trim

How to cut butt, miter, cope joints. How to install door and window casing, baseboards, and crown moldings, jamb extensions; cut trim to fit frames; trim around unsquare corners and over bumpy surfaces.

- **DVD: 60 minutes, TA-61024, \$19.95**



Installing Doors and Windows

Theory, tips, and techniques in preparing, installing, and adjusting doors and windows. Covers jambs, preparing the door blank; correcting on-site problems, handle factory doors, and how to work with warped stock and improperly set hinges.

- **DVD: 60 minutes, TA-61048, \$19.95**



Kitchen Cabinets Made Simple

This DVD and illustrated book visually instruct woodworkers through the process of building sturdy face-frame cabinets with frame-and-panel doors. It's all in here — from drawing out a plan and constructing the cabinet boxes to finishing and installation.

- **Softcover/DVD, 128 pages, TA-71318, \$24.95**



Installing Kitchen Cabinets Made Simple

This DVD and illustrated book visually take you through the process of choosing the right cabinetry and countertop materials to preparing the site for installation to final installation.

- **Softcover/DVD, 112 pages, TA-71340, \$24.95**



Air Conditioner Fundamentals

Color-animated graphics show the operation of a room AC refrigeration system, the complete refrigeration cycle, and how components work.

• DVD: 16 minutes, TS-HA006, \$47.95

Servicing Room Air Conditioners

Breaks down troubleshooting into a simple process. Step-by-step coverage of troubleshooting, disassembly, and repair of the common failures seen in room air conditioners.

• DVD: 33 minutes, TS-HA007, \$47.95

Fundamentals of Refrigeration Systems

Covers basics of refrigeration and how they apply to the operation of refrigerators and freezers.

• DVD: 19 minutes, TS-RF001, \$47.95

Servicing Refrigerator Problems

Discusses basic operation and what technicians should check before a sealed system analysis involving the installation of a tape line valve. Suitable for beginning and experienced techs

• DVD: 12 minutes, TS-RF002, \$47.95

Servicing Automatic Ice Makers

Addresses almost every mechanical, electrical, and water problem encountered in repair.

• DVD: 27 minutes, TS-RF004, \$47.95

Troubleshooting Refrigeration Systems

Refrigeration troubleshooting is a simple process when the proper steps and processes are followed. This video covers step-by-step evaluation.

• DVD: 22 minutes, TS-RF005, \$47.95

Refrigeration Circuits

Refrigerator's electrical systems comprise the majority of service work performed. This video shows testing/troubleshooting of these circuits.

• DVD: 27 minutes, TS-RF006, \$47.95

Troubleshooting Kitchen Appliances with Schematics

Electrical circuits & components are about 80% of an appliance tech's business. Without complete understanding of schematic diagrams, this work is often impossible.

• DVD: 70 minutes, TS-EL001, \$47.95

Troubleshooting Laundry Appliances with Schematics

The technician needs a complete understanding of how to work with schematic diagrams to track down problems. Demystify the schematic diagram and shows how to use it as a troubleshooting tool.

• DVD: 17 minutes, TS-EL003, \$47.95

Servicing WCI Gas Ranges

This training program will show how to service cooking and baking complaints, adjust primary and secondary air, and troubleshoot circuits to the component level. All the servicing information necessary for becoming proficient in WCI gas range servicing.

• DVD: 42 minutes, TS-RA003, \$47.95

Electrical Fundamentals

A basic and thorough explanation of how electricity works. Basics such as electron flow, voltage, current and all the fundamentals of electricity are thoroughly explained.

• DVD: 19 minutes, TS-EL002, \$47.95

Career Clusters

These "Career Clusters" are organized around the 16 broad career categories established by the US Department of Education. In the programs, real people in real jobs discuss the educational & training requirements for their jobs, rewards of the job, and job opportunities.

Architecture & Construction

Looks at the jobs of an architect, plumber, electrician, and construction contractor.

• DVD: 20 minutes, MD-33364, \$99.95



Information Technology Services

Covers computer engineers and programmers, systems analysts, and database administrators.

• DVD: 19 minutes, MD-29742, \$99.95

Scientific, Engineering & Technical Services

Features civil engineers, electronics technician, hazardous waste technician, and liquid waste treatment plant and systems operator.

• DVD: 18 minutes, MD-29743, \$99.95

Arts, Audio Visual Technology & Communications

Features cable TV broadcast engineer, newspaper reporter, actor, commercial artist, and TV director/producer.

• DVD: 24 minutes, MD-33362, \$99.95

Manufacturing

Looks at jobs in manufacturing from choosing raw materials to designing assembly processes to inspection of the final product.

• DVD: 18 minutes, MD-32130, \$99.95

Career Clusters Posters - Set of all 16

Get all 16 posters for the career clusters series. All are 17" x 22" laminated, full color posters.

• Posters (set of 16): MD-36989POL A, \$159.20



Landing a Job in the Trades

This DVD explores essential self-marketing practices that transform job seekers into wage earners. How to structure a resume, compose a cover letter, behave and communicate during an interview, and follow up with a thank you letter.

• DVD: 16 minutes, MD-35546, \$79.95

Tour of the Trades

This DVD offers a fast-paced survey of the skilled construction trades, providing a sense of their diversity and comparing wages to other fields.

• DVD: 25 minutes, MD-32258, \$99.95

Construction & Trades

New workers are need each year to meet the needs of industry. This DVD focuses on an electrician, a plumber, a mason, an HVAC technician, an interior designer, and an auto service technician.

• DVD: 18 minutes, MD-39259, \$99.95

Made with the Trades

A closer look at specific jobs within the trades. See all 21 titles at www.VMS-online.com.



Electricians

• DVD: 12 minutes, MD-32264, \$99.95

Carpenters

• DVD: 12 minutes, MD-32261, \$99.95

Drywallers

• DVD: 12 minutes, MD-32262, \$99.95

HVAC & R

• DVD: 12 minutes, MD-32267, \$99.95

Plumbers & Steamfitters

• DVD: 12 minutes, MD-32273, \$99.95

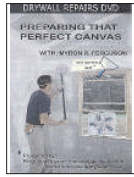


Bricklayers & Stonemasons

• DVD: 12 minutes, MD-32260, \$99.95

More cluster DVDs and Posters are available online.

Drywall and Plastering



Drywall Repairs

How to repair holes, popped screws, cracks, and more to get the "perfect canvas" for finishing.

- DVD: 60 minutes, FDI-12026, \$19.95

Drywall: 101 Tips & Techniques

Covers all aspects of drywall from measuring, hanging, and taping to finish sanding.

- DVD (2): 163 minutes, FDI-99705, \$39.95



Application Techniques for Marmorino Plaster

How to apply this special Italian plaster system.

- DVD: RR-0005, \$59.95

Veneer Coat Plastering: Base Coat Plaster

Techniques for applying base coat including surface prep over plaster board and drywall.

- DVD: RR-0001, \$59.95

Veneer Coat Plastering: Finish Coat Plaster

How to apply the smooth coat finish, sand swirl, and knock down texture as well as other finishing techniques and styles.

- DVD: RR-0002, \$59.95

Plaster Repair

How to mix, apply, and do repairs on smooth, sand finished, and textured surfaces using a special patching mix.

- DVD: RR-0003, \$59.95



Resurfacing

How to use base coat plaster as the first step in resurfacing smooth and textured walls and ceilings. Use historically accurate materials with bonding agents, plaster washers, and fiberglass mesh to handle even the toughest project.

- DVD: RR-0004, \$59.95
- Save on all 4: RR-0001SET, \$195.00

Tools of the Trade

Each of these DVDs examines the tools and materials common to the individual trade.

Inside the Carpenter's Toolbox

A look at construction materials, fasteners, and tools with safety emphasized throughout.

- DVD: 20 minutes, MD-37046, \$99.95

Inside the Plumber's Toolbox

(See page 23 for complete description.)

- DVD: 30 minutes, MD-36100, \$99.95

Inside the Mason's Toolbox

Learn about common tools; brick, block, tile, stone, concrete; fasteners; estimating materials; and safety.

- DVD: 26 minutes, MD-37048, \$99.95

Inside the Electrician's Toolbox

Examines the work materials and tools commonly used by an electrician. Includes: wire & cable, conduit, boxes, receptacles, switches; tools for cutting, testing, connecting; and wiring diagrams and blueprints. Safety is stressed throughout.

- DVD: 26 minutes, MD-37520, \$99.95

Joint Kits

Wood Furniture Joint Set A

Kit includes 8 common furniture joints made of unfinished pine - butt, rabbet, mitered, tongue/groove, dado, mortise/tenon, finger or box, and dovetail.

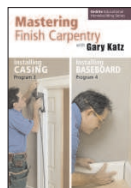
- BW-00010A, \$39.95

Wood Furniture Joint Set B

Kit includes 5 common furniture joints made of unfinished pine - biscuit, dowel, half-lap, pocket screw, and spline.

- BW-00010B, \$39.95

Mastering Finish Carpentry



Mastering the Miter Saw

Demonstrates both fundamental and advanced techniques. How to measure accurately and do repetitive cuts; Use an auxiliary fence and saw stand; employ a Bosch angle finder; cut acute angles; cut crown on-the-flat; crown chart; guide to saw blades.

- DVD: 150 minutes, OS-0012, \$49.95

Installing Casing & Installing Baseboard

Using a range of tools, this DVD focuses on techniques for creating tight and durable joinery, emphasizing accuracy, efficiency, and safety. Includes: picture frame and stool & apron; splines, biscuits, and clam clamps; scribing casing; miter outside corners & cope inside corners, more.

- DVD: 150 minutes, OS-0034, \$49.95

Conquering Crown Molding

Learn fundamental and advanced techniques for installing this dramatic molding. Basic joinery, strategies for simple and complex rooms, customizing spring angles, more.

- DVD: 180 minutes, OS-0056, \$49.95

Construction Master® Pro

Advanced hand-held Construction-Math Calculator provides powerful built-in solutions and expanded preference settings. It's easy to use in the field or office.

- * Work in and convert between any building dimension, including metric
- * Built-in right-angle solutions
- * Calculate areas, volumes, and perimeters
- * Complete stair layouts
- * Roof, rafter, and framing solutions
- * Circular calculations: arcs, circumference, segments, and more

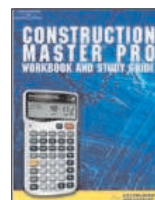
Get the job done right with fast, accurate answers. Perfect for completing layouts, bids, and estimates - saves time, money, materials, and frustration.

- CI-4065 (Handheld), \$79.95

Construction Master Pro

This study guide teaches the fundamentals of the most complete builder's calculator on the market. Learn how to master this essential jobsite tool. Tips for timesaving features and functions.

- Softcover, DR-041092, \$26.95
- Instructor's CD-ROM: DR-041106, \$23.95



New Best of Fine Woodworking

Designing & Building Cabinets, TA-7792

Designing Furniture, TA-7767

Spray Finishing & Other Techniques, TA-7875

Traditional Finishing Techniques, TA-7793,

Selecting & Drying Wood, TA-7876

Building Small Projects, TA-7791

Traditional Projects, TA-7839

Working with Routers, TA-7769

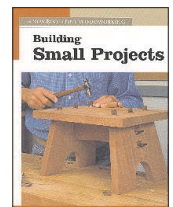
Selecting & Using Hand Tools, TA-7840

Working with Handplanes, TA-7810

Working with Tablesaws, TA-7811

Workshop Machines, TA-7826

- Softcover, 160 pages, \$47.95: SALE PRICE, \$13.46 each



Fundamentals of Gas

In depth discussion of all aspects of gas fundamentals and gas heating.

- DVD: 17 minutes, TS-HA001, \$47.95

Refrigeration Fundamentals & Heat Pumps

Explains the three heat pump cycles, reversing valve operation, system metering device, and supplemental heat systems. Animation shows what happens during cycle changes.

- DVD: 23 minutes, TS-HA002, \$47.95

Heat Pumps: Electrical Circuit Fundamentals

Explains a heat pump schematic while showing the actual components and the wiring harness.

- DVD: 22 minutes, TS-HA003, \$47.95

Charging a Heat Pump through the Superheat Method

Manufacturers are requiring that their critical charge equipment be evaluated and charged with specific and precise processes. The basics of superheat charging, explanation of how it is done, and how a system is evaluated.

- DVD: 21 minutes, TS-HA004, \$47.95

Servicing an Indoor Air Handler

All the information you need to diagnose and repair most every problem faced in service. Discussion of electrical troubleshooting to mechanical repairs and component replacement.

- DVD: 36 minutes, TS-HA005, \$47.95

Servicing the Glow Coil Ignition system

Locating the faults plus information on how the system works, component location, disassembly.

- DVD: 37 minutes, TS-HA008, \$47.95

Condensing Gas Furnaces

Explains fundamentals, basic operation, and step-by-step troubleshooting.

- DVD: 45 minutes, TS-HA009, \$47.95

Psychrometrics - Fundamentals of Air Flow

Guide to determining air flow and heating & AC requirements for system installations.

- DVD: 26 minutes, TS-HA010, \$47.95

Hydronic Systems - Heating & Cooling

From hot water heat to chilled water systems, this video covers all aspects of hydronics.

- DVD: 41 minutes, TS-HA011, \$47.95

Troubleshooting Tips for Heat Pumps

Typical problems encountered while servicing. Information on method operation, door reversal, servicing electrical components, and accessing sealed system components.

- DVD: 42 minutes, TS-HA012, \$47.95

Carbon Monoxide (CO): Facts & Testing

The basic testing procedures for measuring CO, how CO affects the body, tips on CO sources, and preventative maintenance with guidelines to prevent CO problems in the home.

- DVD: 31 minutes, TS-SA001, \$47.95

A series of instructional videos for students and maintenance personnel with limited boiler, electrical, and HVAC controls experience.

Plumbing Basics

Shows how waste and vent piping are used. Explains the operation of a toilet, traps, etc. Also covers domestic water piping.

- DVD: 20 minutes, EC-0032, \$69.95

Boiler Theory & Controls

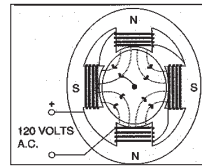
Covers the basic theory of steam/water boilers. Shows the types of safety controls and how they operate; how a burner modulating motor operates and controls the size of the flame.

- DVD: 50 minutes, EC-0022, \$69.95

Basic Electricity for Servicing

How to troubleshoot electrical problems associated with heating and AC equipment. Includes voltage, current, resistance, more.

- DVD: 38 minutes, EC-0023, \$69.95

**Refrigeration Theory**

Shows the refrigeration cycle of a refrigerator and AC unit. Covers how refrigerants work, types of compressors, and expansion valves.

- DVD: 33 minutes, EC-0024, \$69.95

Steam Trap Theory and Repair

How to test for faulty traps. Where traps are used in a steam system and why. Uses animated color graphics for clarity. Covers thermostatic, float & thermostatic, inverted bucket, open bucket, thermodynamic, and bimetallic traps.

- DVD: 32 minutes, EC-0025, \$69.95

Managing Indoor Air Quality (IAQ)

For the IAQ manager to set up an IAQ program. Includes sample survey forms for implementation. Provides help to find and prevent IAQ trouble spots.

- DVD: 41 minutes, EC-0031, \$99.95

Air Conditioning Service One

Explains how to read air conditioning system wiring diagrams and how to troubleshoot electrical problems. Covers a simple air conditioning unit, a heat pump, and a two compressor chilled water unit.

- DVD: 35 minutes, EC-0026, \$69.95

Air Conditioning Service Two

Covers soldering and brazing techniques. How to cut and prepare tubing, fluxing, and proper method of applying heat and solder. Shows what happens to an incorrectly soldered joint. Brazing aluminum and steel; how to make single and double flares.

- DVD: 31 minutes, EC-0028, \$69.95

Residential Gas Furnace Theory & Maintenance

Shows in action video and 3D graphics how a furnace operates. Covers heat exchanger, blower, filters, burner assembly, gas valve, fan control thermostat, and room thermostat.

- DVD: 24 minutes, EC-0027, \$69.95

Water Pump Theory and Repair

On theory and maintenance of water pumps used in heating and cooling applications. Impellers of centrifugal pumps such as the volute and diffuser types. How to determine efficiency of a pump in use.

- DVD: 25 minutes, EC-0030, \$69.95

Honeywell Electric Fan System Controls

Covers theory and maintenance of fan systems and how Honeywell electric and electronic temperature controls operate with them. Covers different types of duct and fan systems.

- DVD: 37 minutes, EC-0029, \$69.95

Fan System Theory

Covers different duct systems: single, dual, reheat, multizone, and variable air volume.

- DVD: 27 minutes, EC-0016, \$69.95

Controllers**Barber-Colman Controllers**

- DVD: 33 minutes, EC-0017, \$99.95

Honeywell Controllers

- DVD: 38 minutes, EC-0018, \$99.95

Johnson Controls Controllers

- DVD: 36 minutes, EC-0019, \$99.95

Landis Gyr Powers Controllers

- DVD: 38 minutes, EC-0020, \$99.95

Robertshaw Controllers

- DVD: 31 minutes, EC-0021, \$99.95

Thermostats**Barber-Colman Thermostats**

- DVD: 25 minutes, EC-0011, \$69.95

Honeywell Thermostats

- DVD: 32 minutes, EC-0012, \$69.95

Johnson Controls Thermostats

- DVD: 31 minutes, EC-0013, \$69.95

Landis Gyr Powers Thermostats

- DVD: 35 minutes, EC-0014, \$69.95

Robertshaw Thermostats

- DVD: 32 minutes, EC-0015, \$69.95

Orders: 1-800-343-6430 or www.VMS-online.com

HVAC & Plumbing Books & DVDs

Residential Air Conditioning, Revised

Live-action video, component cutaways, and 3D computer animation make AC systems easy to understand. Students will see what happens inside every part of a refrigerant-based system and understand how an air conditioning or refrigeration system functions and be better prepared to analyze problems when they occur.

- DVD: 21 minutes, MD-37245, \$99.95

Residential Heating & Ventilation, Revised

Gas, oil, and electric residential heating systems are explained in this fast-paced, educational program. Live-action video, part cutaways, and 3D computer animation show viewers the inside detail necessary for understanding repair and maintenance. Gas furnaces are covered in detail with explanations of conventional pilots, electronic pilots, pressure regulators, and other components.

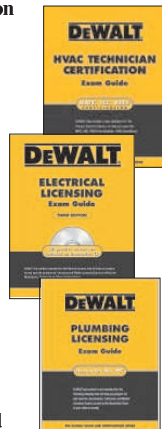
- DVD: 23 minutes, MD-37244, \$99.95

Books

HVAC Technician Certification Exam Guide, 2nd Ed

The most comprehensive study book available. Use sample exams to maximize study time. Study aids and tips, answer keys, strategies to prepare, choosing a certification, maintaining certification.

- Softcover, 243 pages, DR-740305, \$39.95



Electrical Licensing Exam Guide, 3E

Completely updated to the 2011 NEC, this is a comprehensive test preparation guide. Provides sample exams with answer keys, study tips and strategies, secrets to improve test scores.

- Softcover, 272 pages, DR-545505, \$39.95

Plumbing Licensing Exam Guide, 3E

Offers the most complete exam prep information available for use by plumbing professionals. Based on the 2009 International Plumbing Code.

- Softcover, 240 pages, DR-135522, \$39.95

Tools of the Trade: Inside the Plumber's Toolbox

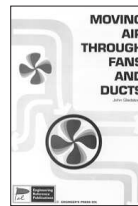
From plungers, to pipe wrenches, to Teflon tape, this program introduces each common tool of the plumbing trade with a brief demonstration of its proper use. Safety precautions and industry tips are provided as well, and four major types of piping and tubing - steel, copper, plastic, and cast iron - are described.



- DVD: 30 minutes, MD-36100, \$99.95

Moving Air through Fans and Ducts

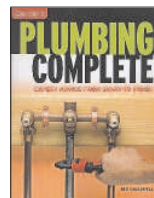
A quick "lookup" reference. Covers fans, ducts, and formulas from design to field check, test/adjust/balance. Synthesizes the basic ideas of ventilation and air moving principles and recognized standards and codes for design and erection of air moving systems.



- Softcover, 96 pages, EP-4174, \$19.95

Plumbing Complete

Includes all the expert advice you'll need to handle virtually any plumbing project with confidence from basic plumbing problems to complex challenges that are a little trickier. It provides detailed instructions and clear, step-by-step photos that make every procedure easy to understand and implement.



- Softcover, 251 pages, TA-7899, \$21.95

Building Contractor's Licensing Exam Guide, 3E

Ideal for helping readers prepare for and pass the certified general and residential contractor licensing exams.



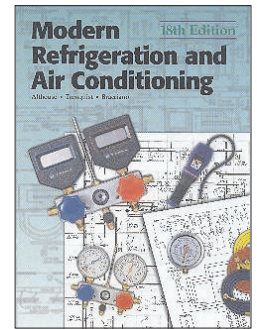
- Softcover, 240 pages, DR-135515, \$39.95

HVAC Textbooks

Modern Refrigeration & Air Conditioning 18E

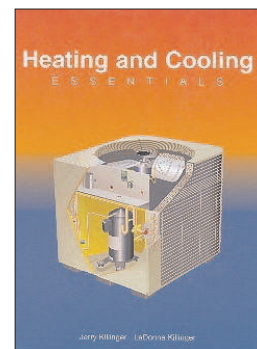
by A D Althouse, C H Turnquist, & A F Bracciano

The leader in the refrigeration and air conditioning field! Teaches fundamental principles and service techniques. Tells and shows how to diagnose and remedy HVAC problems. An excellent blend of theory with job-qualifying skills.



- Text: Hardcover, 1211 pages, GW-2802, \$96.00 (5 or more - \$72.00)
- Study Guide: Softcover, 200 pages, GW-2819, \$26.64 (5 or more - \$19.98)
- Lab Manual: Softcover, 208 pages, GW-2826, \$28.00 (5 or more - \$21.00)
- Instructor's Manual: 368 pages, GW-2833, \$94.00
- Teacher's Resource Binder (includes Instructor's Manual): GW-2840, \$260.00
- Instructor's Resource CD (both Resource Binder and Test Software): GW-2864, \$260.00
- PowerPoint Presentations: Individual License, GW-2871, \$240.00

Heating & Cooling Essentials, 3E by Jerry and LaDonna Killinger



The ideal introductory book for students entering the HVAC field. Emphasis is on the skills essential to the entry-level technician. Explains systems operation, troubleshooting and servicing HVAC equipment, and techniques for performing

installation, service, and repair.

- Text: 624 pages, GW-9656, \$84.00 (5 or more - \$63.00)
- Workbook: 225 pages, GW-9663, \$28.00 (5 or more - \$21.00)
- Instructor's Manual: GW-9670, \$94.00

Conduit Bending

Apprentices can bend conduit or EMT like a veteran. Book/DVD explain the basics of bending in clear, non-technical terms. Every phase of bending is covered - offsets, back-to-backs and stub-ups; utilizing the gain; 3-bend saddles. The Work Book guides the student step-by-step, move-by-move as every basic bend is made.

Benfield Conduit Bending Manual

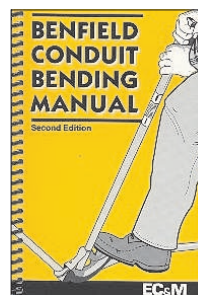
- Spiralbound, 118 pages, BF-0006, \$16.95

The Benfield "Work Book"

- Spiralbound, 70 pages, BF-TWB06, \$15.00

The Benfield Bending Technique

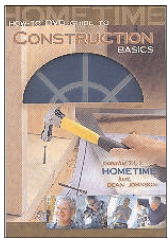
- DVD: 60 minutes, BF-0007DVD, \$96.00
- DVD, Manual, Work Book Set: BF-0004, \$119.00



1-800-343-6430 or
www.VMS-online.com

Construction

Construction Basics - DVD



Master the fundamentals of home construction and remodeling such as framing, plumbing, electrical, and drywall. Learn the basic principles, tools, materials, and techniques. Includes footage from several videos.

- DVD: 97 minutes, HT-6303, \$14.95

Contracting a Home

Covers the entire residential construction process. Part I covers the planning of a new home and takes you through framing and the mechanical rough ins. Part 2 covers the interior and exterior finishing: roofing, windows, doors, siding, insulation, drywall.

- DVD: 179 minutes, HT-6207, \$24.95

Managing Home Construction

Shows the entire process for self-contracting a home. Includes selecting the plan; arranging financing; choosing products; maintaining orderly schedule flow; and scheduling inspection. How to supervise subcontractors.

- DVD: 193 minutes, HT-6205, \$24.95

Roofing & Siding DVD

Learn how to install an asphalt shingle roof, do a tear off, and install new roofing over old. Learn the tools and techniques needed to install vinyl siding and trim.

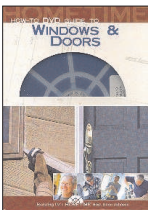
- DVD: 67 minutes, HT-6306, \$14.95



Windows & Doors

Install windows in new construction. Alter or move rough openings. Install French, entry, sliding doors. Frame and install interior doors, pocket, and bi-fold doors.

- DVD: 101 minutes, HT-6308, \$14.95



Interior Finish

Basements & Drywall - DVD

The steps to finish off a lower level, focusing on problems, materials, and techniques that are unique to basements. Get tips on hanging and finishing drywall, taping and mudding joints, corner bead, and fastener heads.

- DVD: 69 minutes, HT-6309, \$14.95

Faux Finishing

Mix faux finishing glazes. Deal with corners. Learn about sponging, ragging, color washing techniques, including featherdusting, stippling, combing, crackle, marbling, more.

- DVD: 70 minutes, HT-6301, \$14.95



HOMETIME

Kitchen & Baths - DVD

Contains footage from both the *Kitchens* and *Bathrooms* videotapes.

- DVD: 98 minutes, HT-6305, \$14.95
- **Kitchens Book: Softcover, 96 pages, IPG-701X, \$9.95**
- **Bathrooms Book: Softcover, 96 pages, IPG-7001, \$9.95**



Flooring - DVD

Installation and repair of vinyl, wood, and laminate floors. Details tools, materials, and special techniques.

- DVD: 73 minutes, HT-6304, \$14.95



Ceramic Tile - DVD

Takes you through the steps of installing tile floors, walls, and countertops. Gives recommendations on underlayments, adhesives, and tools.

- DVD: 104 minutes, HT-6302, \$14.95

Lawn & Garden

Landscaping DVD

Includes information on basics of landscape design as well as plants, pavers, retaining walls, fences.

- DVD: 150 minutes, HT-6307, \$14.95



Garages & Decks DVD

Construction of a complete detached garage and a ground-level and a two-story deck to learn fundamental and advanced deck options.

- DVD: 126 minutes, HT-6310, \$14.95
- **Decks book: Softcover, 96 pages, MRD-4420, \$7.95**

Log Cabin

Scribe and notch logs. Build an insulated roof over log purlins. Cut & buck openings for windows and doors. Stain and chink logs. Frame stud walls. Rough in plumbing and electrical lines.

- DVD: 123 minutes, HT-6204, \$14.95

Lodge-Style Log Home

Complete construction details on building a multi-level log home.

- DVD: 340 minutes, HT-6208, \$39.95

Shingle Cottage

Total construction details. Includes timber-framed trusses and beams.

- DVD: 459 minutes, HT-6210, \$39.95

Autumn Woods Home

Covers the construction of a 3100 sq ft house.

- DVD (3 DVD): 360 minutes, HT-6206, \$39.95

Lakeside Dreamhouse

Watch the construction of a 6060 sq ft home.

- DVD (4 DVD): 362 minutes, HT-6209, \$39.95



Mechanical

Plumbing & Electrical

The fundamental principles and techniques to understand the plumbing and electrical systems in a home. Includes tools, materials, and basic steps necessary to undertake basic plumbing and electrical jobs.

- DVD: 87 minutes, HT-6311, \$14.95



Maintenance and Repair

Home Evaluation

Examine and evaluate a home's exterior and interior. Watch for common problems. Diagnose stains, cracks, and decay. Evaluate kitchens, bathrooms and basements. Assess the electrical, plumbing, and heating systems.

- DVD: 43 minutes, HT-6201, \$14.95



Basement Design & Completion

Plan, frame, rough-in mechanicals, install insulation and drywall, finish carpentry, install ceramic tile and flooring, trim.

- DVD: 140 minutes, HT-6203, \$24.95
- **Book: Softcover, 96 pages, IPG-7036, \$9.95**

1-800-343-6430 or
www.VMS-online.com

Safety in the Workplace

General Shop Safety

Demonstrates the types of dangers present in any industrial or manufacturing atmosphere and then explains how to prevent accidents.

- DVD: 23 minutes, MD-42038, \$99.95

Safety in the Workshop: Avoiding Accidents and Injuries



Filmed inside a professional woodshop, this program shows how to prevent a wide range of carpentry-related hazards. Presents an

overview of basic safety measures, tool and flammable liquid storage, cleanliness, tool sharpening hazards, and safety of various hand and power tools. Includes basic first aid.

- DVD: 22 minutes, MD-41118, \$129.95

Electrical Safety

Details electricity-related safety procedures to follow for protection from electric shock and fires as well as protection of electrical instruments and solid-state devices.

- DVD: 18 minutes, MD-42035, \$99.95

Woodworking Safety

Summarizes the most critical safety measures to observe when using power equipment.

- DVD: 23 minutes, MD-42037, \$99.95



Welding Safety

Covers the most important safety rules and protective equipment to use when performing MIG, TIG, arc, and gas welding.

- DVD: 22 minutes,

MD-42036, \$99.95

Metalworking Safety

Demonstrates precautions that should be taken when working with metals. Sheet metal work, soldering, foundry work, forging are covered.

- DVD: 23 minutes, MD-42039, \$99.95

Construction Safety

Jobsite Safety

A concise guide to basic construction safety: equipment, tools, electrical, MSDS, scaffold.

- DVD: 21 minutes, MD-39677, \$79.95



Fall Protection

Includes the use of ladders, guardrails, personal fall arrest systems, slide guards, safety nets, aerial and forklift baskets, and other safety equipment.

- DVD: 31 minutes, MD-39679, \$79.95



Residential Construction Series

Residential Electrical Wiring

Follow a professional electrician through the specific steps of wiring a house. Covers wiring diagrams, breaker panels, circuit breakers, switches, and outlet wiring. Covers the basics of wiring a house.

- DVD: 11 minutes, MD-26207, \$79.95

Residential Plumbing

Watch a professional plumber at work. See what it takes to design the plumbing service and how to install pipes, faucets, drains, sinks, bathtubs, and showers. Shows how to rough in pipes, cut holes in the floor, sweat copper, and bond PVC pipes.

- DVD: 11 minutes, MD-26211, \$79.95

Residential Masonry

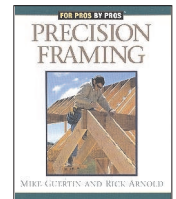
Working along side a professional mason, learn basic skills in forming block wall foundations, different types of cement, and forming, pouring, and finishing concrete. Learn skills in using mortar and brick laying.

- DVD: 11 minutes, MD-26210, \$79.95

Precision Framing

A comprehensive framing handbook - from basics to finishing techniques. It combines common sense, sound engineering, and craftsmanship.

- Softcover, 224 pages, TA-7570, \$29.95



Posters

Architectural Styles of Houses - Posters

Each contains a history of the style, a labeled line drawing, and list of characteristics.

- 15 Posters (18" X 24"): BW-0002, \$32.95

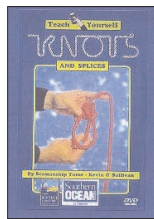


Rigging and Hoisting

Teach Yourself Knots & Splices

Do you have a terrible time teaching rigging? Guys can't get close enough to see; don't understand when to use which knot. Learn how to tie and check all the basic knots. This is for every carpentry, building trades, millwright trainer.

- DVD: 60 minutes, BM-H608DVD, \$34.95



Knot Tying: Splicing Three-Strand Line

Learn to splice 3-strand line with this easy to use CD-ROM interactive reference! Demonstrated by a professional seaman, it includes information on: terms, types of rope, splicing tips, line prep, grommet, back splice, wall knot, eye splice, farmer's splice, short splice, long splice, taper, and whipping.

- CD: BMSS-971419, \$24.95



The Home Inspector



A registered home inspector and engineer takes a look at the core systems and key structural features of six dwellings.

Mechanical Inspection: Electrical, Plumbing, & Heating

What to look for when inspecting a dwelling's electrical, plumbing, and heating systems.

- DVD: 21 minutes, MD-30516, \$79.95

Site Inspection: Foundation, Drainage, & Waterproofing

A series of site inspections, with an emphasis on foundation integrity and property drainage issues.

- DVD: 20 minutes, MD-30517, \$79.95

Exterior Inspection: Roof, Chimney, & Exterior Features

A close-up look at roofs, exterior walls, windows, chimneys, and other exterior features. 22 minutes.

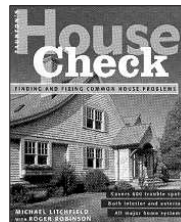
- DVD: 22 minutes, MD-30518, \$79.95

Book

House Check: Finding and Fixing Common House Problems

Makes it easy to identify most construction problems - and find a solution. Covers roofs and attics to walls and floors.

- Softcover, 34 pages, TA-7707, \$16.95



1-800-343-6430 or
www.VMS-online.com

Electronic Service Training

Soldering/Desoldering Techniques

Proper techniques for PCB soldering, including surface mount technology (SMT).

- **DVD:** 35 minutes, EX-0031, \$24.95

DVD Test Disc

Adjust audio, video, and computer equipment to absolute perfection with the DVD Test Disc.

- **DVD:** EX-56-465, \$24.95



DSS Installation

Learn how to install a DSS-type satellite system.

- **DVD:** 40 minutes, EX-0026, \$24.95

Notebook Computer Repair

Parts and component ID, troubleshooting and repairing common notebook failures, and a guide to upgrading or replacing components.

- **DVD:** 40 minutes, EX-0029, \$24.95

Personal Computer Assembly

Learn the correct way to assemble or upgrade computer components (motherboards, drives, controllers). How to install memory, configure the CMOS, format hard disks, more.

- **DVD:** 31 minutes, EX-0009, \$24.95

Personal Computer Repair

Common problems/solutions for most PCs. Covers power supplies, disk drives, and motherboards. Discusses problems with RAM, CMOS batteries, controller cards. How to clean/lubricate drives and preventive maintenance.

- **DVD:** 35 minutes, EX-0018, \$24.95

Computer Networking Made Easy

Great training for technicians who need to install a computer network in a home or office. Covers hardware/software, installation, types, protocols, configuration, troubleshooting

- **DVD:** 45 minutes, EX-0030, \$24.95

Introductory TV Repair

Repair common television failures. Includes basic theory with troubleshooting and flow charts.

- **DVD:** 45 minutes, EX-0027, \$24.95

Projection TV Repair & Maintenance

Covers differences from standard TV and basic theory. Troubleshooting, parts replacement and alignment, convergence adjustment, and common failures and solutions.

- **DVD:** 40 minutes, EX-0028, \$24.95

Electrical Textbooks

Modern Residential Wiring, 9E by Harvey N Holzman



An introductory, simply written text. Covers wiring and the related areas of motors, low-voltage circuits, telephone wiring, and electrical math. Provides a sound background in electrical principles and practices based on the 2011 National Electrical Code.

- **Text:** Hardcover, 364 pages, GW-5828, \$76.00 (5 or more - \$57.00)
- **Workbook:** 116 pages, GW-5835, \$24.00 (5 or more - \$18.00)
- **Instructor's Resource CD:** GW-5842, \$248.00
- **ExamView Assessment CD:** GW-5859, \$244.00
- **PowerPoint CD:** GW-5866, \$240.00

Modern Commercial Wiring, 5E By Harvey N Holzman

This text provides students with a comprehensive resource for the more complex wiring requirements of commercial installation. It includes thorough coverage of such specialized areas as motor control, emergency power systems, installations in hazardous locations, and pool and fountain installations. Special emphasis is given to the 2011 NEC code; sample problems show students how to read NEC tables and perform calculations.



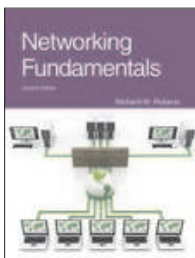
- **Text:** Hardcover, 364 pages, GW-5880, \$66.64 (5 or more - \$49.98)
- **Workbook:** 116 pages, GW-5897, \$24.00 (5 or more - \$18.00)
- **Instructor's Resource CD:** GW-5903, \$248.00
- **ExamView Assessment CD:** GW-5910, \$244.00

Computer Textbooks

Networking Fundamentals

By Richard M Roberts

Teaches the basic concepts and terminology of

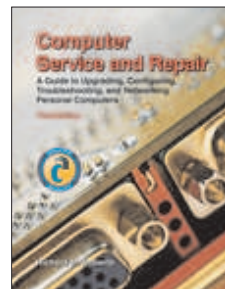


networking and is designed to prepare students for the Network + Certification exam. It teaches students how to maintain, troubleshoot, design, and install a network. The text covers media types and standards and how data is encoded and transmitted. Students are introduced to the terminology and basic concepts of each network operating system. The OSI model is examined in detail in a separate chapter.

- **Text:** Hardcover, 930 pages, GW-3565, \$93.28 (5 or more - \$69.96)
- **Lab Manual:** Softcover, GW-3589, \$29.28 (5 or more - \$21.96)
- **Study Guide:** Softcover, GW-3572, \$29.28 (5 or more - \$21.96)
- **Instructor's Resource CD:** GW-3596, \$248.00
- **Test Generator software:** GW-3602, \$244.00
- **PowerPoint CD:** GW-3619, \$240.00

Computer Service and Repair: A Guide to Upgrading, Configuring, Troubleshooting, and Networking Personal Computers

Teaches the practices and principles needed to pass the A+ certification exam, as well as to build, upgrade, and troubleshoot a PC. Written for students with limited or no PC technical experience as well as for PC technicians with limited formal training. Includes networking. Hands-on labs are found in text and lab manual.



- **Text:** Hardcover, 976 pages, GW-8576, \$93.28 (5 or more - \$69.96)
- **Lab Manual:** Softcover, 500 pages, GW-8583, \$29.28 (5 or more - \$21.96)
- **Study Guide:** Softcover, 500 pages, GW-8637, \$29.28 (5 or more - \$21.96)
- **Instructor's Manual:** GW-8590, \$94.00
- **Instructor's Resource CD:** GW-8606, \$248.00
- **ExamView Assessment CD:** GW-9801, \$244.00
- **PowerPoint Presentations:** GW-8613, \$240.00

Safety Training Videos

Produced by the Florida AFL-CIO

Safety videos based on current OSHA regulations. Each package includes a live-action video; a lesson plan for the instructor; a pretest and post-test; and an attractive binder.

Carpenters

Focuses on general health and safety as seen through a carpenter's eyes. It includes personal protective clothing, scaffolding, and construction site hazards.

- VHS: 12 minutes, UL-0001, \$99.00

Electrical Workers

The focus of this module includes electrical hazards with graphic schematics explaining the various intensities of electrical shock.

- VHS: 18 minutes, UL-0002, \$99.00

Ironworkers

Shows ironworkers in various hazardous situations with emphasis on rigging, fall protection, and welding.

- VHS: 25 minutes, UL-0003, \$99.00

Painters & Allied Trades

Covers safety as well as health hazards at the worksite. Includes ladders, built-up and swing scaffolding, and abrasive blasting. Also toxic substances and right-to-know information.

- VHS: 28 minutes, UL-0004, \$99.00

Sheetmetal Workers

Shows hazards associated with many different fabrication machines. It also takes you to the construction site to discuss installation hazards.

- VHS: 17 minutes, UL-0005, \$99.00

Operating Engineers

The focus of this module is the safe operation of various pieces of heavy equipment, including scraper pans, cranes, and front-end loaders with a section on noise hazards.

- VHS: 18 minutes, UL-0006, \$99.00

Masonry Trades

This module takes a comprehensive look at the Masonry Trades including a section on back injury which discusses the cause and effect of heavy lifting, carrying and twisting on the back.

- VHS: 13 minutes, UL-0007, \$99.00

Plumbers & Pipefitters

Covers all facets of hazards for plumbers and pipefitters with emphasis on welding and fumes and a section on trenching and excavation.

- VHS: 20 minutes, UL-0008, \$99.00

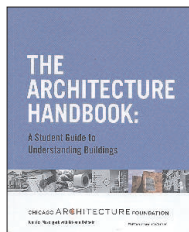
Architecture Textbook

The Architecture Handbook NEW!

This new high school architecture textbook and curriculum developed by the Chicago Architecture Foundation focuses on the design and construction of residential architecture. Hands-on activities teach both the fundamentals of architectural design and technical drawing.

Students build knowledge and gain skills through group design projects, sketching, model making, mapping, research, critical thinking, problem solving, and class presentations.

The F10 House – a sustainable green home – serves as the book's in-depth case study. Students compare and contrast their own home with the F10 House and 10 famous homes in the US and around the world. *The Architecture Handbook* explores critical architectural concepts throughout six projects based on architectural drawings. Students investigate how a home is located on its block, how it sits on its site, how and why the rooms are



arranged, why a home looks the way it does, and how homes are constructed. Reading and math are integrated throughout the book to reinforce essential student skills.

The teacher edition contains all student pages, more than 60 step-by-step activities, as well as a CD-ROM with activity image sets, a full set of construction drawings for the case study home, and four integrated projects.

- Student: 400 pages, CAF-056278, \$90.00
- Teacher Ed: 600 pages, CAF-056286, \$165.00

Green Architecture: Environmentally Friendly Housing

Combining aesthetics, sustainability, and function is the challenge of green architecture - and teams of college students rise to that challenge as they compete to design, build, and demonstrate the operation of the most attractive and energy-efficient house at the 2007 Solar Decathlon held in Washington, DC. This program tracks four teams as they seek sponsors, research available materials, and hone their construction skills to create appealing living spaces that require zero energy.

- DVD: 30 minutes, MD-39106, \$99.95

Building Conservation & Renovation

DVD/VHS

Winners of the President's Historic Preservation Award for "documenting early building craft techniques . . . and using contemporary technology for the preservation of historic buildings." Please specify format.

Ornamental Plaster

Shows the making of Scagliola, or false marble, the casting of plaster for historic details, and modern latex molds. Installation of plaster and modern cast styrene and fiberglass molding.

- 30 minutes, PT-0012, DVD or VHS, \$45.00

Ornamental Painting

Shows the creation of architectural detail by using paint to imitate wood, marble, and other materials.

- DVD: 30 minutes, PT-0011, \$45.00

Polychrome Slate Roofing

Shows the stripping of an existing slate roof and its replacement. Safety emphasized. Shows copper, tin, wood shingles as well as guttering/downspouts and tools and materials.

- DVD: 30 minutes, PT-0014, \$45.00

Stained Glass Restoration

Removal, repair, replacement in a church.

- DVD: 37 minutes, PT-0005, \$45.00

Retrofitting Art Deco Lighting/Fidelity Bank

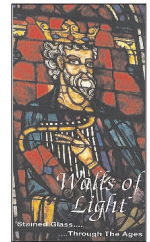
Includes art deco lighting as well as marble and metal cleaning.

- 30 minutes, PT-0006, DVD or VHS, \$45.00

Walls of Light: The History of Stained Glass

Documents the history of stained glass from its beginnings in the Middle East 5000 years ago to the present.

- VHS: 85 minutes, CPD-6153, \$24.95

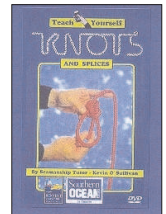


Rigging and Hoisting

Teach Yourself Knots & Splices

Do you have a terrible time teaching rigging? Guys can't get close enough to see; don't understand when to use which knot. Learn how to tie and check all the basic knots. This is for every carpentry, building trades, millwright trainer.

- DVD: 60 minutes, BM-H608DVD, \$34.95



Knot Tying: Splicing Three-Strand Line

Learn to splice 3-strand line with this easy to use CD-ROM interactive reference!

Shows each step clearly! Demonstrated by a professional seaman, it includes information on: terms, types of rope, splicing tips, line prep, grommet, back splice, wall knot, eye splice, farmer's splice, short splice, long splice, taper, and whipping.

- CD: BMSS-971419, \$24.95

Knot Tying: Fishing Knots

Knots included: Albright; arbor; blood; double fisherman's; double loop clinch; dropper loop; improved clinch; palomar; perfection loop; rapala loop; surgeon's loop; uni loop; water knot.

- CD: BMSS-971435, \$24.95



Home Design Software & AutoCAD

TurboFLOORPLAN Home & Landscape Design

TurboFLOORPLAN 3D Home & Landscape Pro is award-winning home and landscape design software. More professional quality tools make it easy to quickly layout your dream home to exact specifications. Increase the value of your home by updating your kitchen or bathroom. Be your own interior decorator applying real world colors, materials, and custom lighting to walls, furniture, and cabinets. Create beautiful landscapes with gardens, pathways, deck, or patio choosing from 7,500 plants. Then, take a virtual walkthrough and see your designs in photorealistic 3D. Even reduce your energy bills and fight global warming with new "Green Home". Simply dream it and design it in TurboFLOORPLAN 3D!

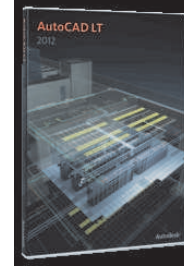


TurboFLOORPLAN 3D Home & Landscape Deluxe is the same program in a scaled-down version. It works the same but there are fewer design choices and pre-drawn symbols.

Programs work with Win 2000, XP or Vista and require a DVD-ROM drive.

- **Home & Landscape Pro**, IM-TF5514DC, \$99.95
- **Home & Landscape Deluxe**, IM-TFD514DC, \$49.95

AutoCAD LT 2012



This Windows-based CAD program is for those who do not need the full power of AutoCAD. Extensive 2D drawing and editing features with the familiar Windows interface create a great value for students new to CAD or occasional

users. Delivers sophisticated drawing functionality and ease of learning. Offers seamless file exchange with AutoCAD users DWG format. Great as an AutoCAD learning tool. CD/ROM. Need Win XP/Vista/7.

- **Windows CD**: AD-52138, \$700.00
- **Upgrade**: AD-52139, \$350.00
- **Student Version (5-year license)**: AD-52136, \$105.00

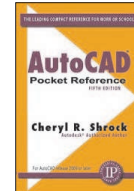
Student Version of AutoCAD

This is a 5-year license of the full AutoCAD 2012 program for students to install on their personal computers. Please supply a valid student ID when ordering. License begins upon activation. For Win XP/Vista/7.

- **Windows**: AD-52134, \$210.00

AutoCAD Pocket Reference

Provides easy access to the fundamental commands, concepts, and how-to information for the use of AutoCAD.



AutoCAD Text/Workbooks

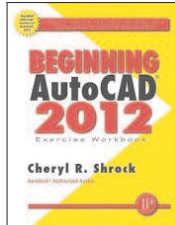
By Cheryl R Shrock

Designed for classroom instruction or self-study. Each lesson starts with step-by-step instructions followed by exercises designed for practicing the commands that were taught within the lesson. Exercises print on your 8.5 X 11 printer.

Exercise Workbook for Beginning AutoCAD 2012

This text is great for AutoCAD LT as well as full blown AutoCAD. Includes a 30-day trial version of AutoCAD 2011.

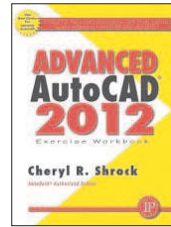
- **Softcover, 550 pages**, IP-134303, \$39.95



Exercise Workbook for Advanced AutoCAD 2012

Advanced techniques and commands taught in the same easy-to-understand style as the Beginning text.

- **Softcover, 450 pages**, IP-134310, \$39.95



Workbook for Beginning AutoCAD 2011

- **Softcover, 550 pages**, IP-134167, \$39.95

Workbook for Advanced AutoCAD 2011

- **Softcover, 450 pages**, IP-134174, \$39.95

CAD Text/Workbooks

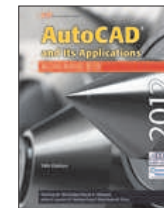
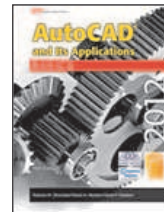
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Complete texts for mastering AutoCAD 2012 for Windows. Hundreds of exercises, questions, and drawing problems to assist learning. In-depth discussions of every major new and existing feature, command, and option.

- **Basics Text: Hardcover, 1023 pages**, GW-5613, \$74.64 (5 or more - \$55.98)
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- **Comprehensive Text (both Basics and Advanced in one): Hardcover, 1695 pages**, GW-5651, \$102.64 (5 or more - \$76.98)
- **Instructor's Resource CD (for Basics, Advanced, Comprehensive):** GW-5675, \$248.00
- **ExamView Assessment CD (for Basics, Advanced, Comprehensive):** GW-5682, \$244.00



AutoCAD 2011 and Its Applications

- **Basics Text: Hardcover, 1023 pages**, GW-3282, \$72.00 (5 or more - \$54.00)
- **Advanced Text: Hardcover, 672 pages**, GW-3299, \$60.00 (5 or more - \$45.00)
- **Comprehensive Text (both Basics and Advanced in one): Hardcover, 1695 pages**, GW-3305, \$99.00 (5 or more - \$74.25)
- **Instructor's CD (for Basics, Advanced, Comprehensive):** GW-3312, \$90.00
- **ExamView Assessment CD (for Basics, Advanced, Comprehensive):** GW-3329, \$240.00

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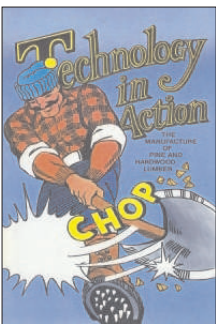
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Lumber Processing



The Manufacture of Pine & Hardwood Lumber

A narrated, guided tour of the manufacturing of pine and hardwood lumber for use in furniture and cabinetry. Highlights include timber evaluation and harvesting, sawmill operations, lumber drying, and procedures involved in preparing lumber for fabrication and finishing. The video comes with a teacher's handbook that includes instructional objectives plus a glossary of terms from the presentation.

- DVD: 30 minutes, VMS-1120, \$59.95



The Manufacture of Construction Lumber

Part One provides an over view of Southern pine lumber manufacturing. See modern, mechanized timber harvesting, a mill specializing in construction lumber, the drying and grading of lumber, tree planting and reforestation, plus much more. Part Two presents several modern engineered alternatives to conventional sawn lumber. The content (and supporting information) is covered in the teacher's handbook.

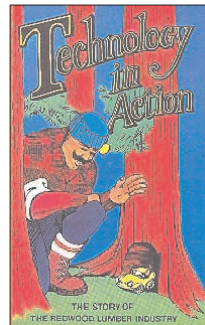
- DVD: 60 minutes, VMS-1320, \$59.95



The Manufacture of Reconstituted Wood Products

A program giving step-by-step descriptions of how modern technology transforms wood and adhesives into unique products. Students will see veneer, plywood, laminated beams, and various structural panels being manufactured with state-of-the-art equipment. An accompanying teacher's handbook includes a glossary.

- DVD: 60 minutes, VMS-1220, \$59.95



The Story of the Redwood Lumber Industry

Filmed in North California's redwoods. Includes: conservation; natural resources; environmental protection; and how redwoods are brought from forest to finished product. Package includes video, teacher's guide, and 20 copies each of two pamphlets: *The Story of the Redwood Forest* and *The Story of the Redwood Lumber Industry*. Sorry, this is VHS only.

- edwood Lumber Industry. Sorry, this is VHS only.
- VHS: 30 minutes, VMS-1500, \$19.95
(If you order any of the three DVDs on this page, this VHS will be \$5.00.)
- Additional pamphlets (Package of 20 each), VMS-1501, \$15.00/pkg