ORIGINAL IDEAS FROM

KELVIN
EDUCATIONAL

Lab includes TWO computers - a display computer (shown right) and one to take apart (shown left).

KELVIN® Computer Servicing Lab

Use this uniquely designed Computer Servicing Lab as part of a computer science and technology program or career exploration course. This lab has been designed as a general education experience and is not a vocational training program.

Students have the opportunity to perform typical servicing they may encounter in a computer repair setting. Using scenario based activities, students will remove and reinstall hard drives, cooling systems, memory sticks and more.

The lab features a specially developed working display computer for reference and a second computer for disassembly and assembly.

Lab Includes:
- Display computer
- Assembly and disassembly computer
- 1 Flat screen display
- 1 Printer
- Software utilities with guide
- Set of speakers
- Cables
- Five DVD training videos
- Computer repair tool set
- Can of spray air
- Anti-static wrist band
- Teacher Guide
- Student Guide Resource Book

841997 ....**$2,995**

For **ELECTRONIC TOOLS, EQUIPMENT**, and **PARTS**, see the **ELECTRONICS** chapter

Learn Basic Network Wiring

KELVIN® Intro to Computer Network Wiring Lab

Lab includes:
- Wood Base
- 4-Port Network Switch
- Single Port Wall Jack (External, RJ-45, Cat-5e)
- Wall Plate Jack Box (1.89″ Depth)
- 2 Hole RJ-45 Faceplate
- [2] RJ-45 Panel Jacks (Cat-5e)
- [10] RJ-45 Plugs
- RJ-45 Crimper
- Punch Down Tool
- Universal Stripping Tool
- 100 ft. of Cat-5e Solid Cable
- Instruction Manual

This lab is designed to familiarize the students with network wiring, components and applications. The proper use of tools, terminations, installation, diagnostic and troubleshooting procedures are emphasized.

841717   Introduction to Computer Network Wiring Lab **$245**

ORIGINAL IDEAS FROM
KELVIN EDUCATIONAL

NETWORKING

KELVIN® Advanced Computer Network Wiring Lab

This wiring lab is designed to familiarize your students with network wiring, components and applications by interconnecting two separate network panels. Emphasizes the proper use of tools, patch panels, terminations, installation, diagnostic and troubleshooting procedures.

Lab Includes:
- [2] Wood Bases
- 16-Port Network Switch
- [3] 12-Port Patch Panels
- [3] Single Port Wall Jacks (External, RJ-45, Cat-5e)
- [3] Dual Port Wall Jacks (External, RJ-45, Cat-5e)
- [3] Wall Plate Jack Boxes (1.89″ D)
- [100] RJ-45 Plugs
- [3] 2 Hole RJ-45 Faceplates
- [3] RJ-45 Panel Jacks (Cat-5e)
- [2] RJ-45 Crimpers
- [2] Punch Down Tools
- [2] Universal Stripping Tools
- 250 ft. of Cat-5e Solid Cable
- Instruction Manual
- Instructor's Networking Tool Kit with Cable Tester

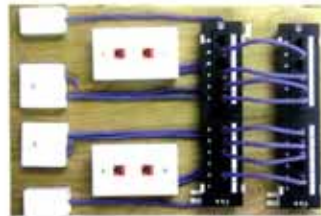841714   Advanced Computer Network Wiring Lab **$1,595**

KELVIN® Computer Network Wiring Lab

Lab is designed to familiarize students with network wiring, components and applications. Explores proper use of tools, patch panels, terminations, installation, diagnostic and troubleshooting procedures are emphasized.

Lab Includes:
- Wood Base
- 8-Port Network Switch
- 12-Port Patch Panel
- Single Port Wall Jack (External, RJ-45, Cat-5e)
- Dual Port Wall Jack (External, RJ-45, Cat-5e)
- 2 Hole RJ-45 Faceplate
- Wall Plate Jack Box
- (1.89″ Depth)
- Cable Tester
- [50] RJ-45 Plugs
- RJ-45 Crimper
- [2] RJ-45 Panel Jacks (Cat-5e)
- Punch Down Tool
- Universal Stripping Tool
- 100 ft. of Cat-5e Solid Cable
- Instruction Manual

841715   Computer Network Wiring Lab...**$795**

Computer Network Wiring Practice Kit

This kit is designed to familiarize students with the proper use of tools and techniques for terminating network patch cables. They will assemble Standard and Crossover patch cables as used in any local area networks.

Lab includes: [50] RJ-45 Plugs, RJ-45 Crimper, Wire Stripping Tool, 100ft. of CAT-5e Solid Cable and Instruction manual.

841718   Practice Kit......................................**$99**
520331   Cable Tester **$55**

Cable Tester Sold Separately

Set Up Surveillance

KELVIN® Security w/DVR Digital Video Lab

Introduce modern security technology with hands-on installation and operation of a security system and software. Students will become familiar with connections, setup and wiring and learn how to set up a DVR client for local or remote access as well as alarm.

The Security System consists of 4 parts:

1. **Digital Video Recorder (DVR):** Watch live or recorded videos from anywhere. The remote client is connected through high speed internet (DSL or cable) or regular phone lines. DVR's consists of a Video Server and the DVR Client. Connect several cameras to a single recording unit.
2. **Video Server**: This device captures and stores video on a local hard drive or a network storage device. To minimize storage requirements, software can be set-up to store data only when motion is detected in the video frame. This technique can also be used to trigger an alarm.
3. **Video Camera**: Consider b/w vs. color, high resolution vs. regular, indoor vs. outdoor, motion, infrared low light assist, size and remote control.
4. **Control Room**: Monitor on location or remotely via the internet.

Lab includes:
- Computer w/ 19″ LCD Display & DVD-RW Drive
- Interface Board Video Frame Recorder (8 or 16 Channels), Installed and Tested
- WIN based DVR Software
- Wiring including 500 ft of RGB 59 Cable
- BNC connectors
- Basic Tool Kit
- Color Dome Camera
- [2] Color Bullet Cameras
- Color Bullet Infrared Camera

Lab + 120Gb HD & Hardware for 8 Channels
841683 ....**$2,995**
841684 #841683 plus 4 Cameras **$3,995**

Lab + 250Gb HD, Hardware for 16 Channels & 4 Cameras
841685 ....**$4,995**

Color Cameras
851329 Dome Type **$195**
851330 Bullet Type **$195**
851331 Infrared (Day/Night) Bullet Type **$295**
851332 Weatherproof Infrared **$495**

Connect and Run Computer Networks

Requires at least 2 computers for networking.

KELVIN® Windows 2003 Networking Lab with 2 Computers

Students learn how to set up and run an NT workstation with this lab. They will be installing the Win 2003 Server on the server; Connecting stations to the hub; Making cables; Installing a printer and printing to printer; Setting up users; and Basic network troubleshooting.

Includes: [2] Multimedia Computers with monitors (one for server and one for workstation), Win 2003 Server for 5 Users, [5] NIC Network Cards, Network Hub, Cables, Connectors, Crimp Tool, Computer Tool Kit, Printer, Related Books, Manuals, and a Workstation Sign.

Computer specifications are constantly changing to reflect industry. Ideal for high school and and up.
841253 Includes [2] Computers **$4,995**

Economy Computer Add to Your Network
900025 IBM PC with LCD Monitor......................**$995**

KELVIN® Point-to-Point Networking Labs

Learn how to hook up, connect and run a network in your class. Includes required materials and books.

Wired Networking Labs
841021 Requires Computer **$495**
841709 w/PC, 19″ LCD Display, Win XP............**$1,995**

Wireless Networking Lab
841399 Requires Computer **$495**
841710 w/PC, 19″ LCD Display, Win XP............**$1,995**

Economy Computer Add to Your Network
900025 IBM PC with LCD Monitor......................**$995**

Install & Configure a HTTP, FTP & PHP Enabled Servers

KELVIN® Web Servers Labs

Activities provide students with a step-by-step guide for installing and configuring a HTTP, FTP and PHP enabled server.

The Internet Information Services (IIS) included with the Windows XP Professional package is a reliable, powerful and a scalable web server. When configured, it will provide concurrent connections for up to 10 users when hosting one domain. When an FTP server is installed, the system becomes remotely accessible for uploading and downloading files. With the PHP extensions installed, students will be able to utilize this scripting language option.

The activities in the advance product demonstrate the step by step procedures for setting up and configuring a Multi Domain web server which can accept unlimited concurrent users.

Introduction to Web Servers Lab

Lab includes:
- Computer (at least 2.6GHz, 160 Gb HD, 512MB Ram, 17″ LCD Display)
- Internet Information Services (IIS) Software
- FTP Server Application Software
- PHP Scripting Language Extension
- Step-By Step Installation Instruction Book
- Workstation Sign
841707 Grades 8+ **$2,995**

Labs include a computer

Advanced Web Server Lab

Lab includes:
- Computer (at least 2.6GHz, 160 Gb HD, 512MB Ram, 19″ LCD Display
- Windows Apache Web Server Software
- Anti-Virus Protection
- FTP Server Application Software
- Simple DNS Plus Software
- PHP Scripting Language Extension
- E-mail Server
- MySQL
- Step-By Step Installation Instructions Book
- Workstation Sign
841708 Grades 9+ **$3,995**

Network Service Tool Kit

A service and installation tool kit for networks, modems, and telephones. Includes quality, heavy-duty tools and a tester that will handle telephone cables with RJ-11 and RJ-45 connectors and coaxial cable with F or BNC connectors.

This Tool Kit includes:
- Multi-Network Cable Tester
- Cable Tester Terminator
- AC Receptacle Tester
- Telephone Line Analyzer
- Coaxial Cable Stripper
- Modular Crimping Tool
- Hex-Type Crimping Tool
- 11 pc. Screwdriver Bit Set
- Punch Down Tool/ 66 Blade
- Round Cable Cutter
- Parts Box
- Carrying Case

282382   Network Service Tool Kit **$159**

11-Piece Computer Service Tool Kit

All contained in a black vinyl zippered case. 2-year manufacturer's warranty on all tools.

This Tool Kit includes:
- 3/16" Nut Driver
- 1/4" Nut Driver
- Driver Handle, Fits all Bits
- Reversible Screwdriver Bits T10 & T15
- Reversible Screwdriver Bits 3/16" & 1/4"
- Reversible Screwdriver Bits, #1 & #2 Phillips
- Tweezers
- IC Inserter 14-16 Pin
- IC Puller
- 1/8" Flat Screwdriver
- #0 Phillips Screwdriver
- 3-Prong Parts Retriever

490059   11 pc. Computer Service Tool Kit **$19.95**

14-Piece Pro Computer Repair Tool Kit

All contained in a black vinyl zippered case. 2-year manufacturer's warranty on all tools.

This Tool Kit includes:
- Deluxe Soldering Iron
- 5" Needle Nose Pliers
- 4-1/2" Diagonal Plier
- Deluxe Wire Stripper
- 3/16" Slotted Screwdriver
- 1/8" Slotted Screwdriver
- #0 Phillips Screwdriver
- #1 Phillips Screwdriver
- Desoldering Pump
- Soldering Iron Stand
- Solder Tube
- 3/16" Nut Driver
- 5/16" Nut Driver
- 1/4" Nut Driver

530158   14 pc. Pro Computer Repair Tool Set **$46.95**

Deluxe 26-Piece Computer Service Tool Kit

All contained in a black vinyl zippered case.

This Tool Kit includes:
- IC Puller
- IC Inserter 14-16 Pin
- 3-Prong Parts Retriever
- Spare Parts Tube
- Solder Ease Kit
- Soldering Iron Stand (wire form)
- Desoldering Pump
- Deluxe 25W Soldering Iron
- Diagonal Cutters
- 5" Needle Nose Pliers
- Solder Tube
- 3/16" Slotted Screwdriver
- #1 Phillips Screwdriver
- Tweezers
- Premium Wire Stripper
- 11 pc. Screwdriver Bit Set (3 Nut Drivers, 2 Slotted, 2 Phillips, & 3 Star Bits)
- 1/8" Slotted Screwdriver
- #0 Phillips Screwdriver

490058   Deluxe 26 pc. Computer Service Tool Kit **$57.95**

Multi-Network Cable Tester

This tester is a convenient instrument for testing different unshielded wiring schemed telephone cables with RJ-11 and RJ-45 connectors and coax cables (F and BNC connectors). Cables can be tested before and after they are installed. Mapping Function. Cable Identification (straight or cross-pinned). Pair Identification (straight or cross-pinned). Open or Short Testing. F to BNC Connectors Included. Low Battery Indicator. Auto Power-Off Function (30s.). Includes 9V Battery and Soft Vinyl Zippered Case.

520304   ....**$89.95** or **$87.95** ea./3+

PC Cleaning Kit

Kit contains: CD-ROM drive cleaner and fluid, swabs and fluid to clean your mouse and monitor, with a mini-vacuum to clean the keyboard, specially formulated wipes to clean the monitor and a case to keep everything together.

900032   ....**$49.95**