ABSTRACT
        This booklet contains 181 addresses for World Wide Web sites
and listservs that could be of interest to vocational-technical teachers and
educators. After the introduction, which notes that the Internet can be
integrated into all areas of the curriculum, the Web sites are grouped into
the following sections: (1) general information; (2) career planning and job
information; (3) curriculum resources; (4) government agencies, associations,
and organizations; (5) research in vocational technical education; (6)
teacher resources; (7) vocational technical schools, institutes, and
colleges; (8) listservs; (9) newsgroups; (10) Internet guides and tutorials;
and (11) World Wide Web resources. A glossary of Internet terms is also
included. (KC)

ED 438 415

INTERNET RESOURCES
FOR VOCATIONAL
TECHNICAL TEACHERS
& EDUCATORS

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Email: secretar@sun1.npic.edu.tw
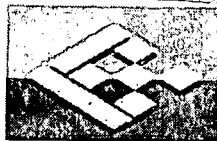
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Table of Contents

Introduction

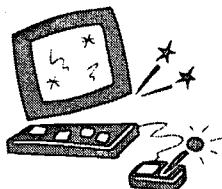The Internet, the Information Highway or the network of all networks, is the fastest growing communication technology in the world. Probably no other technological innovation has changed the way people communicate and access information. The Internet offers an unprecedented tool for teaching and learning. It is the ultimate "virtual classroom" that can be accessed anytime, anywhere, with minimal equipment. Through the Internet, vocational teachers and students are gaining access to information and people resources that can easily be integrated into all areas of the curriculum. Learning becomes exciting and real as the world becomes the classroom. If you want to take advantage of the extensive instructional and human resources available in the world but were not sure where to get started, this booklet may be useful to you.

This booklet contains addresses to World Wide Web sites of interest to vocational technical teachers and educators. A glossary of Internet terms is available at the end of the booklet. The HTML format of this document with current links is available on the Web at *http://dragon.ep.usm.edu/ ~yuen/votech.htm*.

Jeong-Feong Duo & Steve C. Yuen

GENERAL INFORMATION

Carl D. Perkins Vocational and Applied Technology Education Act, Public Law 101-392
www.ed.gov/offices/OVAE/perkins.html

K-12 Vocational Sites compiled by NCVRE
vocserve.berkeley.edu/K12.html

McREL: School-to-Work Resources
www.mcrel.org/resources/links/stw.asp

NETGain
vocserve.berkeley.edu/NetGain/

Occupational Outlook Handbook
stats.bls.gov/ocohome.htm

O*NET--The Occupational Information Network
www.doleta.gov/programs/onet/

School-to-Work Internet Gateway
www.stw.ed.gov/

School-to-Work Transition
www.ncrel.org/ncrel/sdrs/areas/sw0cont.htm

Skill Standards Page
vocserve.berkeley.edu/SkillsPage.html

Workforce Preparation and Continuing Education
www.nysed.gov/workforce/work.html

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CAREER PLANNING & JOB INFORMATION

Adventures in Education
www.tgslc.org/

America's Employers
www.americasemployers.com/

Career Magazine
www.careermag.com/

CareerMosaic
www.careermosaic.com/cm/home.html

Career Path
www.careerpath.com/

**Colleges, Career Planning, and Financial Aid Web Site
by Cynthia Good**
users.massed.net/~cgood/

CollegeNet
www.collegenet.com/

E-Span, on-line employment connection
www.espan.com/

ExPAN College Information Search
www.collegeboard.org/csearch/html/ch00.html

The Financial Aid Information Page
www.finaid.org/

Internet College Exchange
www.usmall.com/

JobBank USA
www.jobbankusa.com/search.html
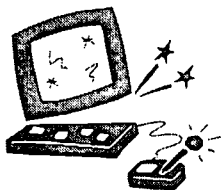
Job Smart: Career Guides
jobsmart.org/tools/career/spec-car.htm

Mapping Your Future
mapping-your-future.org/

Monster Job Search
www.monster.com/home.html

Peterson's Education Center
www.petersons.com

Princeton Review
www.review.com/index.html

CURRICULUM RESOURCES

Advanced Welding & Joining Unit at the University of Bath, UK
www.bath.ac.uk/Centres/AWJU/home.html

Air-conditioning & Refrigeration Institute
www.ari.org/

American Association for Vocational Instructional Materials (AAVIM)
www.aavim.com/

American Society of Heating, Refrigeration and Air-Conditioning Engineers, Inc.
www.ornl.gov/ORNL/ashrae/

Automotive Related Resources
triumph.cs.utah.edu/othermail.html

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CIMC, Oklahoma Department of Vocational and Technical Education
www.okvotech.org/cimc/home.htm

Clearinghouse for Subject-Oriented Internet Resource Guides, University of Michigan
www.clearinghouse.net/

CORD (Center for Occupational Research and Development)
www.cord.org/

Council for Agricultural Science and Technology
www.cast-science.org/

Curriculum Publications Clearinghouse
www.ECNet.Net/users/micpc/index.html

Developing Educational Standards
putwest.boces.org/standards.html

ERIC On the Internet
www.ualr.edu/~coedept/Bkmarks/ERIC.html

ERIC Clearinghouse on Adult, Career, and Vocational Education
ericacve.org

Florida School-to-Work (STW) Clearinghouse
www.flstw.fsu.edu/

HVAC/R Sites on the WWW
www.elitesoft.com/sci.hvac/hvac.html

NASA Online Educational Resources
www.nasa.gov/nasa_online_education.html

National Agricultural Library
www.nalusda.gov/

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Teachers.Net
teachers.net/

U. S. Department of Agriculture
www.usda.gov/

V-TECS
www.mindspring.com/~vtecs/

WebEd Curriculum Links
www.dpi.state.wi.us/dpi/dlcl/lbstat/ed_res.html

WoodWeb
www.woodweb.com

World of Work
www.worldofwork.com/

GOVERNMENT AGENCIES, ASSOCIATIONS AND ORGANIZATIONS

American Society for Training and Development
www.astd.org/

American Technical Education Association (ATEA)
www.ndscs.nodak.edu/atea/

Association for Career and Technical Education (ACTE)
ww.avaonline.org/

Center on Education and Training for Employment
www.cete.org/

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Center on Education and Work
at the University of Wisconsin-Madison
www.cew.wisc.edu/cew/

International Technology Education Association (ITEA)
www.iteawww.org/

National Association of Industrial Technology
www.nait.org/

National Center for Research in Vocational Education (NCRVE)
vocserve.berkeley.edu/

National Council for Occupational Education
www.NCOEonline.org/

National Skill Standards Board
www.nssb.org/

National Occupational Information Coordinating Committee
www.noicc.gov/

North Central Regional Educational Laboratory
www.ncrel.org/ncrel/sdrs/pathways.htm

Office of Vocational and Adult Education,
U.S. Department of Education
www.ed.gov/offices/OVAE/

PA Vocational and Technical Education
www.cas.psu.edu/docs/pde/voced/index.html

RAND Institute on Education and Training
www.rand.org/centers/iet/

Society of Manufacturing Engineers
www.sme.org

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Training and Development Resource Center (TTRC)
www.tcm.com/trdev/

U.S. Department of Education
www.ed.gov

US Department of Labor School to Work
www.ttrc.doleta.gov/s2w.html

U.S. Tech Prep State Coordinators Home Page
www.state.vt.us/educ/techprep/

Vocational Student Organization Links
www.ed.gov/offices/OVAE/VocEd/WebLinks/vso.html

RESEARCH IN VOCATIONAL TECHNICAL EDUCATION

Advice on Research and Writing
www.cs.cmu.edu/afs/cs.cmu.edu/user/mleone/web/how-to.html

APA Publication Manual Crib Sheet
www.gasou.edu/psychweb/tipsheet/apacrib.htm

AskERIC
ericir.syr.edu/

ERIC
www.aspensys.com/eric/

ERIC, Clearinghouse on Assessment and Evaluation
www.cua.edu/www/eric_ae/home.html

Journal of Industrial Teacher Education
scholar.lib.vt.edu/ejournals/JITE/jite.html 11

Journal of Technology Education
scholar.lib.vt.edu/ejournals/JTE/jte.html

Journal of Vocational and Technical Education
borg.lib.vt.edu/ejournals/JVTE/jvte.html

Tech Directions Online
www.techdirections.com/

What Should I Know About ED Grants?
www.ed.gov/pubs/KnowAbtGrants/

TEACHER RESOURCES

CISCO Educational Archives
sunsite.unc.edu/cisco/

Classroom Connect
www.classroom.net/

Distance Education Clearinghouse
www.uwex.edu/disted/home.html

Educational Online Sources
netspace.students.brown.edu/eos/webs_image.html

EdWeb
edweb.cnidr.org:90/

The Global Campus
www.csulb.edu/gc/

Global SchoolNet Foundation
www.gsn.org/

Information network of the Society for Information Technology and Teacher Education (InSITE)
curry.edschool.Virginia.EDU/insite/

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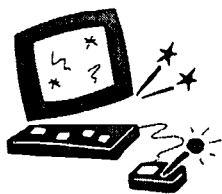
Innovative Academic Uses of the Internet
members.tripod.com/~JavaScriptForum/

K-12 Information Home Page
k12.cnidr.org

Learner Online
www.learner.org/

Library of Congress Education Page
lcweb2.loc.gov/ammem/ndlpedu/

NASA's Home Page
hypatia.gsfc.nasa.gov/NASA_homepage.html

On the Horizon
sunsite.unc.edu/horizon/index.html

Scholastic Network
www.scholastic.com/

SchoolNet
k12.school.net/home.html

Teachers Net
teachers.net/

The Technology Coordinator's Web Site
www.ac.wwu.edu/~kenr/TCsite/home.html

Texas Center for Educational Technology
www.tcet.unt.edu/

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Steve Yuen's Ultimate Search Page
dragon.ep.usm.edu/~yuen/search.htm

THE Journal's Road Map to the World Wide Web for Educators
www.thejournal.com/roadmap/roadindex.html

Virtual Classroom
www.enmu.edu/virtual/virt.html

The Virtual Library for Information Technology
tecfa.unige.ch/info-edu-comp.html

VOCATIONAL TECHNICAL SCHOOLS, INSTITUTES, AND COLLEGES

American Association of Community Colleges (AACC)
www.aacc.nche.edu/

American Colleges and Universities
www.clas.ufl.edu/CLAS/american-universities.html

Colleges and Universities in the World
www.mit.edu:8001/people/cdemello/univ.html

Community College Web
www.mcli.dist.maricopa.edu/cc/

Internet College Exchange (ICX)
buli.usmall.com/college/

The Internet University, college courses by computer
www.caso.com/

Virtual Schoolhouse, listing of schools on the Net
unsite.unc.edu/cisco/schools/index.html

U.S. Community Colleges by State
ww.utexas.edu/world/comcol/state/#TX   14
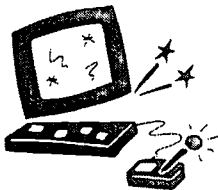
The Virtual Media Lab
philae.sas.upenn.edu

Web66: WWW School Registry
web66.coled.umn.edu/

World Lecture Hall
www.utexas.edu/world/lecture/

Yahoo's List of College and Universities
www.yahoo.com/Education/Universities/

LISTSERVS

(AAAE) American Association for Agricultural Education
listserv@vm.cc.purdue.edu

(AEDNET) Adult and Continuing Education
aednet@pulsar.acast.nova.edu

(ADULT-ED) Adult Education
listproc@lists.fsu.edu

(AEDNET) Adult Education Network
listproc@pulsar.acast.nova.edu

(ADULT-ED) Adult Education
listproc@lists.fsu.edu

(APPLACAD) Applied Academics
majordomo@etc.bc.ca

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(APPLIEDAC) Implementation of any of the Applied Academics Courses
majordomo@etc.bc.ca

(BATECH-L) Technologies in Business Education
listserv@lists.psu.edu

(DEOS-L) International Discussion Forum for Distance Learning
listserv@lists.psu.edu

(EDAD-L) Educational Administration
listserv@wvnm.wvnet.edu

(EDTECH-L) Educational Technology
listserv@vm.cc.purdue.edu

(FYI) For Your Information: K-12 Education Ideas Using Technology
listserv@ocmvm.cnyric.org

(INTER-L) Discussion of the use of the Internet in Education
listproc2@ecnet.net

(K12ADMIN) K-12 Educators Interested in Educational Administration
listserv@listserv.syr.edu

(NASBE) Discussion list for Business Education Supervisors
majordomo@freud.thomson.com

(NWAC-L) National Workforce Assistance Collaborative
listserv@lists.psu.edu

(STWNET) School-to-Work Network
majordomo@phoenix.edc.org

(TCC-L) Teaching in the Community Colleges
listproc@hawaii.edu

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(TECH-PRP) Tech Prep Consortium Forum
listserv@vm1.cc.uakron.edu

(TRDEV-L) Training and Development
listserv@lists.psu.edu

(UCVE-L) Vocational Teacher Education Task Force Discussion
listserv@listserv.okstate.edu

(VETLIST) Research into Vocational Education and Training
majordomo@usq.edu.au

(VOCNET) Vocational Education
listserv@cmsa.berkeley.edu

Publicly Accessible Mailing Lists
www.NeoSoft.com/internet/paml/

Liszt, the mailing list directory
www.liszt.com/

NEWSGROUPS

alt.education.distance
Learning from teachers who are far way

bit.listserv.aera
American Educational Research Association

bit.listserv.edtech
Educational technology

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bit.listserv.vocnet
Vocational education

comp.edu
Computer science education

comp.internet.net-happenings
Net-Happenings

k12.chat.junior
For high school juniors

k12.chat.senior
For high school seniors

k12.chat.teacher
For K-12 teachers

k12.ed.business
Business education curricula in grades k-12

k12.ed.comp.literacy
Computer literacy

k12.ed.life-skills
Home economics, career education, and school counseling

k12.ed.health-pe
Health and physical education curricula in grades K-12

k12.ed.science
Science curriculum in K-12 education

k12.ed.tech
Industrial arts and vocational education

k12.library
School library

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misc.education
Discussion of the educational system

misc.education.adult
Adult education and adult literacy practice/research

misc.education.multimedia
Multimedia for education

net.education.general
Miscellaneous education discussion

school.teachers
School teachers

thelinq.high.lesson-plans
Lesson plans

INTERNET GUIDES AND TUTORIALS

Ask Dr. Internet
www.promo.net/drnet/

CyberCourse
www.newbie.net/CyberCourse/

Glossary of Internet Terms
www.matisse.net/files/glossary.html

Internet Guides and Information
access.tucson.org/internet_info.html

Internet Training and Tutorials by US Library of Congress
lcweb.loc.gov/global/internet/training.html

Learn the Net
www.learnthenet.com/

Netscape Tutorial
w3.ag.uiuc.edu/AIM/Discovery/Net/www/netscape/index.html

Netscape Tutorials by Bruce Klopfenstein
www.bgsu.edu/departments/tcom/netscape.html

Newbie Net
www.newbie.net/Welcome.html

Understanding the Internet
www.screen.com/start

WWW RESOURCES

Doctor HTML
www2.imagiware.com/RxHTML/

How to write HTML files
kcgl1.eng.ohio-state.edu/www/doc/htmldoc.html

HTML Development Course
www.srl.rmit.edu.au/pd/

HTML Helpers
www.geocities.com/SiliconValley/park/9034/

HTML Course: Table of Contents
www.usask.ca/dcs/courses/cai/html/contents.html

Putting Information onto the Web
www.w3.org/Provider/Overview.html

Webmaster Reference Library
webreference.com

Writing HTML: A Tutorial for Creating WWW Pages
www.mcli.dist.maricopa.edu/tut/

Acrobat - A software developed by Adobe Corporation that allows users to translate Postscript files into a Portable Document Format (PDF) and to view them on common computer platforms.

Address - A unique string of text that identifies an individual on the Internet or the location of a Web page on the World Wide Web.

Alias - A user-created alternative name for a command or string. Often used for long e-mail addresses.

Anonymous FTP - A scheme that allows users to log into a remote computer and transfer files by logging on as anonymous.

AOL (American Online) - The largest commercial online services in the United States that has access to the Internet.

Archie - Short for archive. A system for finding files stored on anonymous FTP sites.

ARPANet - Advanced Research Projects Administration Network. The precursor to the Internet. Established by the US Department of Defense in 1969 as an experiment in wide-area networking that would withstand nuclear attack.

AUP (Acceptable Use Policy) - A policy statement from a network or organization that defines the acceptable uses of the network for local use and accessing the Internet.

Authentication - The verification of the identity of a person or process.

BBS (Bulletin Board System) - A computer system that provides an electronic forum, message center, archives of files, and any other services to its members.

BITNET (Because It's Time Network) - A low-cost, low-speed academic and research network consisting primarily of IBM mainframe computers running the VMS Operating system.

Bookmark - A tool for collecting favorite home pages and addresses in WWW browsers for future references.

Browser - A client application software that allows users to navigate and view WWW documents. Internet Explorer, Mosaic, and Netscape are examples of browser.

Chat - The electronic version of CB radio that provides a person-to-person, real-time conferencing.

Client - A software program used to contact and obtain data from a server software program at a remote computer.

COM - Refers to a commercial domain.

Cookie - A mechanism by which server side operations (such as CGI scripts) can store and retrieve information on the client side of the connection.

Cyberspace - A term originated by William Gibson in his novel *Neuromancer* to describe the world of computers and the society that gathers around them.

Dial-Up Access - To connect to an Internet service provider through a phone line and a modem.

Digest - A collection of messages from a Listserv or mailing list sent at regular intervals.

Discussion List - A form of group discussion and sharing information carried on electronic mail.

Domain Name - The unique name that identifies an Internet site.

DNS (Domain Name System) - A system used to translate the name of a site (such as www.netdoor.com) into its numeric Internet address (like 204.255.16.8) and vice versa.

E-Mail (Electronic Mail) - A system that allows users to send and receive messages electronically via a communications network.

E-Mail Address - An electronic mailbox address assigned to a user.

Ethernet - A local area network specification developed by Xerox Corporation that transmits data at 10 megabits per second over coaxial cable.

FAQ (Frequently Asked Question) - A document often associated with mailing lists and newsgroups, that provides answers to commonly asked questions on a specific topic, technology, or Internet service.

Fetch - A popular Macintosh FTP program developed by Dartmouth University that allows users to transfer files on the Internet.

Finger - An Internet software tool that displays information about a particular user, or all users, logged on the local system or a remote system.

Flame - An emotional, obnoxious, or inflammatory message delivered by E-mail or public posting on a newsgroup or electronic bulletin board.

Freenet - A community-oriented network that allows users to access the Internet for no or a small membership fee.

FTP (File Transfer Protocol) - A program (and protocol) for transferring files between two Internet sites.

Gateway - A hardware or software set-up that transfers information between different types of networks.

Gopher - A hierarchical menu system that allows users to access files, documents, and other Internet services on the Internet. Developed at the University of Minnesota, Gopher is characterized by relative simplicity of design and ease of implementation.

Home Page - A page or screen of a site accessible through a World Wide Web browser.

Hit - A count that is recorded anytime someone connects to a remote computer, site, or home page.

Host - Any computer on the Internet that allows users to communicate with other computers.

Hotlist - A list of favorite or important links to sites, resources, and services compiled during WWW sessions for future use. See also Bookmark.

Hostname - The name given to a computer. (Domain name).

HTML (Hypertext Markup Language) - A formatting language consisting of a series of tags that are read by the World Wide Web browser to determine text styles, page layout, and links to other documents and files.

HTTP (Hypertext Transport Protocol) - The communication protocol established for the World Wide Web that tells computers how to handle and send hypertext documents and data from one computer to another. HTTP is the most important protocol used to access a World Wide Web document.

Hypertext - A system for supporting embedded links within documents. Clicking on a hypertext word on a web page may take you to another location, page, document, or links to sounds, graphics, or movies.

Image Map - A special type of graphics file that allows Web users to click on a area of an image that jumps to other documents, images, graphics, or web pages on the Internet.

Interest Group - Group discussion and sharing information carried on by electronic mail.

Internet - The world-wide network of networks, initially linking academic, research, and government facilities but now available to anyone through online services and network gateways. Also called information highway, the Net, cyperspace, or data super highway.

Internet Protocol (IP) - A specification for the format of packets that computers use to route information from a computer to another on the Internet. IP makes sure the packets arrive at the correct destination.

Internet Service Provider (ISP) - A company or organization that provides access to the Internet for individuals or businesses.

IP Address - Also called IP number, dotted quad, and Internet address. A unique number assigned to each computer on the Internet.

IRC (Internet Relay Chat) - An Internet tool that enables users to chat in real time using a keyboard on the Internet.

JAVA -A simple, object-oriented, platform-independent, multi-threaded, dynamic, general-purpose programming language developed by Sun Microsystems.

Listserv - A software used to manage subscriptions of a mailing list.

Login/Logon - The process of entering a user account ID and password to gain access to a host computer or Internet service provider.

Logout/Logoff - The process of disconnecting your computer from the host computer.

Lurker - A person who reads mailing lists, bulletin boards, online chats, or Usenet groups without ever contributing or posting a message.

Lynx - A text-based World Wide Web browser that is usually available on Unix-based hosts.

Mailing List - A discussion group with similarities to a newsgroup, but all postings are sent directly to the subscribers by e-mail.

Name Server - A server provided on the Internet that resolves network names into IP addresses.

Netnews - Also called Usenet News. The collection of articles available to users on the Usenet network.

Netiquette - A collection of social and behavioral rules for the Internet.

Newbie - An individual who is new to the Internet and its use.

Newsgroup - A bulletin board system on the Internet that is dedicated to a particular topic of interest.

Pico - The full-screen text editor commonly used with the Pine e-mail program in Unix.

Pine - A program for Internet News and E-mail in Unix.

PING (Packet InterNet Groper) - A program used to test the reliability of a network device. Ping sends the computer a packet and waits for a reply.

PPP (Point To Point Protocol) - A popular method that allows a computer to connect directly to the Internet using a standard phone line and a high-speed modem. Similar to SLIP.
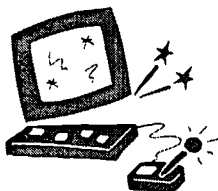
RealAudio - A commercial client and server product developed by Progressive Networks that uses proprietary data-compression schemes to move real-time audio across the Internet.

Remote Login - The ability to log in to a remote computer and become a user. See also Telnet.

Search Engine - A program on the World Wide Web that allows users to search the Web for information, people, news, documents, software, etc. Alta Vista, Excite, Infoseek, Lycos, and WebCrawler are examples of search engine.

SLIP (Serial Line Internet Protocol) - A standard for using a regular line and a high-speed modem to connect a computer as a real Internet site.

Smilie - Characters used in e-mail and news articles to indicate humor and irony.

Spam - To send unwanted or commercial messages to many lists, Usenet newsgroups, or online addresses at the same time. Considered rude.

Subscribe - The process of joining a discussion list, interest group, Listserv list, or mailing list.

Surfing - Browsing or exploring the Internet.

TCP/IP - An acronym for Transmission Control Protocol/Internet Protocol. A set of protocols developed by the U.S. Department of Defense in the 1970s to transfer packets of information around the net.

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Telnet - An Internet tool that allows a user to login to a remote server or a host computer and use its computing resources.

Thread - A series of linked messages on the same theme or topic in newsgroup postings.

Uniform Resource Locator (URL) - The standard used for specifying the server and path information for documents on the World Wide Web.

Usenet - A collection of newsgroups or bulletin boards where Internet users can read and exchange news items electronically on a wide variety of topics.

Video Conferencing - A system that allows users to exchange video information over the Internet.

Virtual Library - An online collection of electronic books and journals on the Internet.

Web Page - A document on the World Wide Web that displays text, images, movies, and animation.

World-Wide Web (WWW or W3) - Also called the Web. A hypertext-based, distributed information system, developed at CERN (Corporation for Research and Education Networking) in Switzerland, that allows users to access information organized by hypertext-linked pages.

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Notes

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Notes

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Office of Educational Research and Improvement (OERI)
National Library of Education (NLE)
Educational Resources Information Center (ERIC)

ERIC

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Author(s): STEVE CHI-YIN YUEN & JEONG-FEONG DUO

Corporate Source:

Publication Date: December, 1999

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