

NAZARETH AREA
SCHOOL DISTRICT

THE LEARNING LINK

Integrating Technology Into the Curriculum

SUMMER, 2005



WELCOME TO THE LEARNING LINK

This newsletter spotlights free web-based resources available to Nazareth Area School District teachers.

As the 2004-05 school year winds down, we hope this provides some ideas to try over the summer and possibly incorporate into your lessons next year.

Best wishes for a great summer.
NASD Technology Dept.

PA PROVIDES PORTAL FOR STANDARDS-BASED RESOURCES

http://smart.iu5.org/fmp/virtual_resources/

Virtual Resources is a web portal to enable Pennsylvania teachers, administrators, parents, and students to easily access a wide variety of resources available locally, statewide, and nationally. The resource was developed by the Partnership for Educational Excellence Network (PEEN), a partnership of the Pennsylvania Department of Education and Pennsylvania's Intermediate Units.

Development teams from across the Commonwealth identified and organized available resources into a searchable database. The Virtual Resources searchable database links teachers, administrators, parents, and students to "grab and go" standards-based resources.

After searching by keyword or standard, the user will see an annotation containing description, audience, grade level, PA Academic Standard, provider, and media type. Media types include PDF documents, web sites, Word documents, and PowerPoint presentations. Resource types include instructional plans, strategic plans, crisis plans, presentations, training materials, curriculum documents, listservs, electronic newsletters, and more.

Users are invited to submit resources for inclusion in the database. Many PA school districts and Intermediate Units have already provided some "homegrown" resources they developed aligned to the PA standards. The collection currently contains over 1,000 resources developed by local schools and intermediate units.

Virtual Resources
VR A M S S
Standard-based Resources for Students, Teachers, Parents, & Administrators

Welcome to Virtual Resources!

This site, developed by the Partnership for Educational Excellence Network, a partnership of the Pennsylvania Department of Education and Pennsylvania's Intermediate Units, provides teachers, administrators, parents and students with access to a searchable database of standards-based resources. The results of a search of the Virtual Resources site provide the user with an annotation containing a description, audience, grade level, PA Academic Standard, provider and media type. Media types include PDF documents, Web sites, Word documents, and PowerPoint presentations. Resource types include instructional plans, strategic plans, presentations, training materials, curriculum documents, listservs, electronic newsletters, and others.

The components of the Virtual Resources Web site accessible from the top banner include:
A - About - Information about the Virtual Resources project
M - Matrix - Quick search with graphic display of results
S - Search - Description, title, URL, or keyword search
S - Submit - Click the Submit button to present resources for possible inclusion in the Virtual Resources database

Title: Teach-nology
URL: <http://www.teach-nology.com/>

Description: This is the homepage for Teach-nology. Here you will find links to rubric generators, games, worksheets, teaching themes a message board and more.

Audience: **TA**
Grade Level: **PIMH**
Provider Type: Vendor
PA State Standard: All
Standard Content Area: All
Media Type:
Resource Type: Lesson Plan Electronic Newsletter Listserv/ Distribution List
Fee: Both

[New Matrix](#) [New Search](#)

Audience:
S = Students **T** = Teachers
P = Parents **A** = Administrators

Grade Level:
P = Primary **I** = Intermediate
M = Middle **H** = High

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UNITEDSTREAMING EXPANDS DIGITAL RESOURCES

United Streaming (<http://www.unitedstreaming.com>) is a digital content library of high quality, PA standards-based resources. The full collection consists of more than 2000 streaming video titles broken down into more than 20,000 key concept clips. Titles are available in both Quick-time format (Mac) and Windows Media Player (PC) formats.

Core-curricular, standards-based content in science, social studies, language arts, math, and health are available from over 100 producers representing renowned publishers United Learning, Discovery Channel School, Standard Deviants, Sunburst, Environmental Media, Weston Woods, Rainbow, CalTech, and TVOntario. United Streaming was recently purchased by Discovery Education, which plans to add its Discovery video content into the database.

Several new features have recently been implemented, including a 17,500 professional-quality still image library, a clip art library, a writing prompt library, a professional development library, blackline masters with quizzes and handouts for each video, and a calendar that correlates videos to historical and educational events. The pictures and videos can be downloaded and inserted into Word or PowerPoint documents. The software license extends to both teachers and students for home or school use.

Teachers can access the collection by going to www.unitedstreaming.com. Teachers should use their CPETracker login and password to access the United Streaming site or use the generic Nazareth Area School District account (username: **nazteacher**; password: **nazteacher**.) Students can access the library from home or school using the generic student account information (username: **nazstudent**; password: **nazstudent**).



Picture from United Streaming's library of over 17,000 photographs.



"The full collection consists of more than 2000 streaming video titles broken down into more than 20,000 key concept clips."

S—To stream videos directly over the Internet. This requires a great deal of bandwidth and is not recommended.

D—To download videos to a local hard drive or district net work folder. Right-click on the D and choose **Save Target As**. Files can be played directly or inserted into PowerPoint files.

A—Click the A to add selected video clips to an archived play list for easy retrieval.



United Streaming clip art example.

WWW.UNITEDSTREAMING.COM

DIGITAL CURRICULUM AVAILABLE TO NASD TEACHERS

Video content is a highly effective teaching tool, especially for today's student who has been raised in a visual environment. Digital Curriculum is a standards-based streaming video service that offers thousands of video clips and still images. Teachers can log in from school or home to view videos. All of the content is directly aligned to the PA Academic Standards. The licensing also allows students to access the digital content library from school or home. As with United Streaming, the content can be downloaded by right-clicking on the video clip and going to Save Target As...from the pop-up menu. Clips can run stand alone or be embedded into PowerPoint files.

The products online assessment feature links directly back to the state and national standards and correlations. Students are able to take online quizzes which provide instant feedback on the content they have viewed. Teachers can also create customized assessments that are emailed directly back to them. Additional features include a calendar linked to video resources and a current events news feed.

To login to the site, teachers should go to www.digitalcurriculum.com and use the generic login and password **nazteacher**. If teachers would like to create their own unique account for class quizzes, they should click Create New Account and enter the passcode **Nazareth** (not case-sensitive). The generic login/password for students is **nazstudent**.



Digital Curriculum video clip

Earth Processes: Maps & Models
TEAMS: Earth Processes
TE244-EN-VID / ISBN:XXXXX Grades 4 - 6 30 Min.

Students explore how maps and models are used to represent features of the Earth, both static features and dynamic processes. Topographic maps and thematic maps are introduced.

NOTE: TEAMS Distance Learning programs have been designed to be utilized via distributed learning technologies such as the Internet and educational television. Their interactive nature requires some advance preparation by the teacher, as outlined in the accompanying Teacher Guide, as well as the Teacher Guide for the relevant Staff Development shows. These Teacher Guides also contain reproducible student handouts and, for many programs, transparency masters which the teacher can duplicate. These elements are required for the interactive portions of the program. TEAMS programs also make use of ancillary instructional materials. Many of these can be manufactured by the teacher, purchased from local vendors, or ordered directly from these vendors.

Watch Video
Self-Study Quiz
Teacher's Guide
Download Video
Print Self-Study Quiz
Print Scoring Key
Related Areas
Earth Science/Geology
Correlates To...

Create Assignment

Key Concept Video Clips

Description	Duration	Download
How models are used: a virtual representation of the planet Mars; what are we looking at?	2:58	
Different maps, different uses	3:00	
Topographic maps: From map to model	2:43	

"Video content is a highly effective teaching tool for today's student who has been raised in a visual environment."

Teacher: Nazareth Teacher (nazteacher) (Not Validated)
Standards: Search Selection

Standards
National, State & Subject

State and National Standards

Select State:

Select Subject:

Select Grade(s):
Please select your grade.



Digital Curriculum photograph

POWERPOINT RESOURCES

Multimedia authoring tools enable educators to display information in captivating and unique ways. Multimedia is also used to engage students in learning activities that showcase their creativity and knowledge. PowerPoint is currently the most popular multimedia authoring tool today. The resources below are listed online at www.nazarethasd.k12.pa.us/powerpoint.htm.

Web Site	Address (URL)	Description
Microsoft PowerPoint homepage	http://www.microsoft.com/powerpoint	Includes the latest releases, add-ons, downloads and specifications.
PowerPoint Library for Teachers	http://jc-schools.net/ppt.html	Jefferson County Schools has collated a nice collection of PowerPoint files organized by subject area.
ARTEch PowerPoint Collection for Teachers	http://208.183.128.3/ce/ppt.htm	A large collection of multimedia presentations organized by grade level is available for download on this site.
Language Arts Collection	http://208.183.128.8/la/activities/pptresources.html	A comprehensive collection of PowerPoint files designed for teaching grammar and the parts of speech.
Connecting Teachers and Students with PowerPoint	http://www.paducah.k12.ky.us/curriculum/PPoint/	Paducah Public School's large collection of curriculum-based PowerPoint files for many subjects and grade levels.
PowerPoint Templates	http://www.vickiblackwell.com/ppttemplates.html	A nicely organized and annotated collection that uses PowerPoint in a wide range of fun and creative ways beyond a traditional presentation.
Using PowerPoint for Assessment	http://www.hardin.k12.ky.us/res_techn/county/jeopardygames.htm	Hardin School District created this library of PowerPoint files for each grade and curriculum strand in order to provide assessment tools for their teachers.
Kids' Image Search Tools	http://www.kidsclick.org/psearch.html	"Kid-safe" search tools for several image libraries.
Microsoft Design Gallery	http://dgl.microsoft.com	Microsoft's free online collection of clipart, photographs, sounds, and videos which can be easily added to PowerPoint presentations.



"At least 30 million PowerPoint presentations are made each day...PowerPoint is the de facto standard for on-screen presentations. "

Multimedia Today

Teacher Templates



PowerPoint Templates

DIFFERENTIATING INSTRUCTION USING TECHNOLOGY

Differentiated Instruction incorporates choices for students by offering options in content (depth or complexity of knowledge); process (way student gains access to knowledge); product (way student knowledge is assessed); or learning style (how student internalizes information). The first step in differentiating instruction is to assess students knowledge, interests, and learning style. There are also several technologies which can be used to differentiate by content, product, process, and learning style. Below is a listing of technologies that can be incorporated into a differentiated classroom.

Assessment Technologies

Classroom Performance System (CPS)

- Wireless input device. Each building now has at least one CPS kit available.
- www.einstruction.com (additional ideas, lesson plans, and sample quizzes can be found online).

Index of Learning Styles Questionnaire

- Free online surveys to determine students learning style based on a continuum
- Results are compiled instantly and can be printed
- www.engr.ncsu.edu/learningstyles/ilsweb.html
- www.berghuis.co.nz/abiator/lsi/lsitest1.html
- library.cuesta.cc.ca.us/distance/lnstyle.htm
- www.parentcenter.com/calculators/learningstyle

Differentiation by Content

United Streaming

- Standards-based digital video library available to all NASD educators.
- www.unitedstreaming.com

Vivisimo

- Clustering search engine
- www.vivisimo.com

Differentiation by Process & Product

Inspiration

- Graphic organizer that can be used to teach students of varying learning styles.
- www.inspiration.com

Webquests

- Webquest.org
- The original portal containing links to hundreds of high-quality webquest activities.
- Bestwebquests.com
- This new site has a nicely organized collection of webquests

Additional Resources

BCLACTS Site

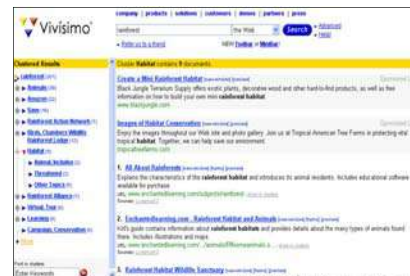
- Web site for the using technology with differentiated instruction and Understanding by Design.
- www.bclacts.org

Using Technology to Differentiate Instruction

- www.lakelandschools.org/EDTECH/Differentiation/home.htm

Online, Print, and Video Resources for Differentiated Instruction

- www.gp.k12.mi.us/ci/diff/resources.htm



Vivisimo

Clustering Search Engine
<http://www.vivisimo.com>

Differentiated instruction engages students in multiple modalities, uses varied rates of instruction, complexity levels, and challenges students to compete against themselves in order to learn and grow...

Differentiated instruction and technology are natural complements."

Carol Ann Tomlinson

Differentiation In Practice



Aligning Curriculum to Standards (ACTS) grant site
<http://www.bclacts.org>

ELEMENTARY WEB SITES



KIZCLUB (WWW.KIZCLUB.COM)

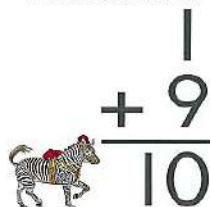
Kizclub specializes in language arts activities for preschool and elementary-age students. Visitors will find hundreds of printable worksheets on the ABCs, phonics, thematic topics, crafts and stories. Stories are available in both print and readable texts that indicate the words being read through highlighting the text. Also includes a list of additional resources under Links.

STARFALL (WWW.STARFALL.COM)

One of the best free early literacy sites with interactive games for learning the alphabet and phonics. Text to speech capabilities enable the books to be read aloud to young readers. Stories are engaging and easy-to-follow.



Jan Brett
Addition Flash Cards



JAN BRETT WEB SITE (WWW.JANBRETT.COM)

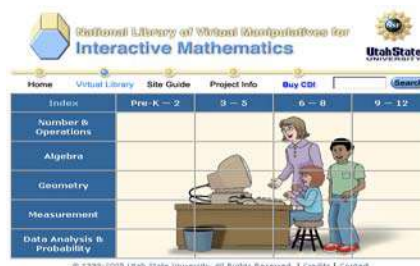
The site contains hundreds of printable classroom support materials including flash cards, bookmarks, book covers, field trip request forms, calendars, Dolch word lists, interactive books and coloring activities, and videos of Jan Brett reading her own stories.

SECONDARY WEB SITES

NATIONAL LIBRARY OF VIRTUAL MANIPULATIVES

MATTI.USU.EDU/NLVM/NAV/

This Web site gathers dozens of interactive manipulatives to accompany the National Council of Teachers of Mathematics (NCTM) standards and helps students visualize mathematical relationships and applications.



WEB ENGLISH TEACHER - (WWW.WEBENGLISHTEACHER.COM)

Carla Beard founded Web English Teacher as a place to gather "the best of K-12 English/Language Arts teaching resources: lesson plans, WebQuests, videos, biography, e-texts criticism, jokes, puzzles, and classroom activities." 'She's organized these Web-based resources into 22 categories.

DIGITAL HISTORY (WWW.DIGITALHISTORY.UH.EDU)

The Digital History Web Site exists to support the teaching of American History in K-12 schools and colleges. The site consists of an original multimedia textbook, classroom handouts, multimedia exhibitions, chronologies, maps, audio archives and visual archives.



"Digital History contains many notable features for both students and teachers."

101 Best Web Sites for Secondary Teachers

K12 TEACHING AND LEARNING CENTER

As of March, 2005, Nazareth teachers have access to the K-12 Teaching and Learning Center. The K-12 TLC is an outstanding tool for the development of student research skills using the Internet. It is robust with extensive cross-referencing between topics and guides, contains no commercial advertising to distract teachers or their students from the task at hand, and is developed around a single easy-to-use format shared by all K-12 TLC guides. The K-12 TLC uses only the highest quality content from the most reliable sources, such as universities, K-12 schools, libraries, museums, businesses, corporations, government agencies and other institutions of acknowledged and trusted expertise. Each link has been reviewed for its content and has been selected because of its unique relevance to K-12 education.



WWW.K12TLC.COM

To access the site, use the login and password **NAZARETH** (all caps). If the site prompts for an additional login, type in **NAZARETH** again to enter the site.

MARCO POLO

When most people hear the words Marco Polo, they think of the popular children's game. However Marco Polo, the web site, is actually an initiative to create "one-stop-shopping" for educators looking for free, high-quality Internet resources aligned to state and national standards. The Marco Polo portal is a partnership among some of the world's leading content providers, including the National Council of Teachers of Mathematics (NCTM), American Association for the Advancement of Science (AAAS), National Geographic, and the International Reading Association (IRA). Resources include lesson plans, maps, interactive programs, student worksheets, and other downloadable documents. All resources are peer-reviewed to ensure quality.

"Marco Polo is quite possibly the best educational portal online today."

101 Best Web Sites for Elementary Teachers

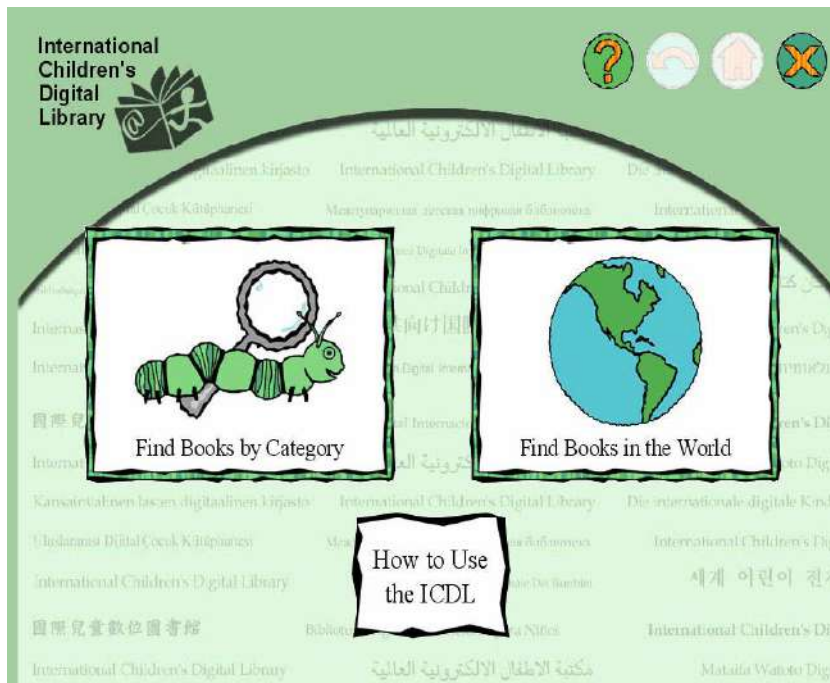
WWW.MARCOPOLO-EDUCATION.ORG

The International Children's Digital Library has recently been launched—no library card required. The project, a multi-million dollar grant initiative to assemble digital versions of books from countries around the world, aims to expand both the literary and cultural knowledge of students in grades K-8.

The University of Maryland and the Internet Archive have joined forces on this initiative with the goal of having more than 10,000 books available online by the year 2006. There are currently several hundred books available online with many books written in their original languages.

The library may be searched by category (e.g. genre, subject, setting, character, length), or by geographic origin. The interface is very intuitive, and was designed using input from children.

The library is an excellent free resource for schools that are looking to expand their current book selections and cultural diversity resources. The collection contains material from 27 cultures in 15 languages.



<http://www.icdlbooks.org>

FREE ONLINE COURSES AVAILABLE TO PA EDUCATORS



<http://pa.professionaleducation.org>

The Pennsylvania Department of Education has commissioned the development of several high-quality online courses that are available free of charge to PA educators. All courses qualify for Act 48 credit hours that are reported directly to the state. Courses were specifically designed to help educators implement the PA academic standards.

Current course listings include: Strategies for Modifying and Adapting Instruction for Gifted Students; Success for English Language Learners; Essential Building Blocks of K-3 Reading Instruction; K-12 Math: Open-ended Problem Solving; Comprehension Strategies: Tools for the Classroom; Using Graphic Organizers: Tools for Organizing Thinking; Vocabulary Strategies: Foundation to Comprehending Content; Data-Driven Decision Making for School Improvement; and Student-centered Science.