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**Web-Based
Curriculum Resources**
for Career Academies

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Updated 2009

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On-Line Version

This guide is available on-line at: <http://casn.berkeley.edu>
The on-line version provides live links to all listed web sites.

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Search Engines & Information Indexes

Everyone has their favorite search engine, but they do differ. Here are a few you may want to investigate to see if it might become a new favorite. Many sites use meta-search technology searching multiple search engines at once. An information index is a set of topic menus and submenus where selections are narrowed to find what you need.

Site	Description	Comments
All The Web www.alltheweb.com	Provides both comprehensive coverage of the web and outstanding relevancy.	If you can't find it on Google, try All The Web next.
Ask.com www.ask.com	Allows you to search by asking questions in a "natural language."	Definitely worth considering.
Bing www.bing.com	Bing offers tabs for different kinds of searches similar to Google and including "images," "videos," "maps" and "shopping."	Microsoft is known for constantly reworking a product until they get it right. This is one of their newest reworks.
WebCrawler www.webcrawler.com	WebCrawler brings users the top search results from Google, Yahoo!, Bing, Ask and other popular search engines. WebCrawler also provides multimedia results, including images, video, news, and local information.	Utilizes metasearch technology to compile results delivering relevant and comprehensive results
MetaCrawler www.metacrawler.com	MetaCrawler is also a metasearch engine utilizing results from Google, Yahoo!, Bing, Ask and other search engines	Good starting point for almost any topic.
About.com www.about.com	Has leads to all high school subjects.	Comprehensive section on Education.
Britannica www.britannica.com	Subjects to browse are infinite. Offers premium membership, but not necessary to join.	An oldie but a goodie. A nice touch: a list of recent <i>New York Times</i> articles useful in the classroom.
The WWW Virtual Library http://vlib.org	Law, government, and protective services students will find a library of info on forensics .	Terrific compendium of well-organized, detailed information.

Lesson Plan Sources

There are literally thousands of sites for lesson plans. These sites have been culled from the masses due to their well-organized lesson plans, covering many subjects and grade levels. Browse these sites once a year before school starts, or use in a pinch. Attention was paid to sites that will provide information on topics such as project-based learning, interdisciplinary curriculum and authentic/alternative assessments.

Site	Description	Comments
Analyze and Apply www.analyze-apply.com	Cataloged database for: online teacher training, professional development, problem solving techniques, leadership coaching, teaching materials, jobs in teaching, performance management training, online teacher certification, lesson plans, preschool teacher training, training seminars.	Offers links for those that want to teach and those that do teach. Some links bring up ads first, most are useful.
Columbia Education Center www.col-ed.org	Catalogued database for: lesson plans, funding resources, and grant opportunities.	Not as many “traditional” lesson plans, does include separate section on “web-based” lessons. Lots of grant links!
The Educator’s Reference Desk www.eduref.org	Lesson plans can be searched by subject area and grade level (K-12). “From the Information Institute of Syracuse, the people who created AskERIC, the Gateway to Educational Materials, and the Virtual Reference Desk, the Educator's Reference Desk brings you the resources you have come to depend on. 2,000+ lesson plans, 3,000+ links to online education information, and 200+ question archive responses.”	This is the site for educators! Search and upload lesson plans! Do you have an educational question? Chances are the answer is already here! Teachers can go to this website and change their classroom tomorrow...I have.
The Lesson Plans Page www.LessonPlansPage.com	“4,000 free lesson plans! Lesson plans that match your criteria, <u>select a subject</u> , <u>recent additions</u> , or seasonal lessons, or <u>search</u> for specific topics. <u>HotChalk.com</u> (parent site) - free online teacher tools and thousands of additional teacher resources!” “participate in discussions with other educators” – fostering de-privatization of the classroom	Site is obviously updated often, rather refreshing!

Site	Description	Comments
<p>The Learning Network http://learning.blogs.nytimes.com</p>	<p>“The Learning Network provides teaching and learning materials and ideas based on <u>New York Times</u> content. Lesson plan units use recent articles as springboards for examining important curricular topics. Teachers can use or adapt our <u>lessons</u> across subject areas and levels. Lessons are designed to be shared with teachers in other content areas and to support interdisciplinary units. Students aged 13 and older can respond to <u>opinion questions</u>, take <u>quizzes</u> and learn the <u>Word of the Day</u>”</p>	<p>Interactive for students and teachers!</p> <p>Contains hundreds of free lesson plans for grades 6-12.</p>
<p>ProQuest www.proquestk12.com</p>	<p>“access to information from periodicals, newspapers, multimedia and image collections, out-of-print books, dissertations, and scholarly collections in various formats” as well as “more than 5.5 billion pages of information, spanning 500 years of scholarship, in formats that range from print to microform to digital.”</p>	<p>Another <i>big</i> site. Fee-based. Easy to use. Every resource imaginable for a teacher.</p> <p>I guess you really can have it all....for a price.</p>

Online Projects Resources

If you're searching for a project with a unique flavor to engage students and help them develop research skills, try these sites. They're inspiring. Included are sites from libraries and museums, which put you and your students in touch with experts; helpful when exploring special topics.

Site	Description	Comments
<p>The Franklin Institute Science Museum</p> <p>www.fi.edu</p>	<p>Some highlights:</p> <ul style="list-style-type: none"> • Biology - the human heart and circulation • Aeronautics - design an aircraft • U.S. History - the life of Benjamin Franklin 	<p>Very friendly site for an educator. Easy to navigate and full of useful information.</p>
<p>International Education and Resource Network</p> <p>www.learn.org</p>	<p>This network links up schools in different countries (or states) for projects. All projects end with an exhibition or product—which fits with an academy perspective. Examples of projects include clean water for Nicaragua, Balkans peace making, and a long list of environmental science projects.</p>	<p>If you want your students to participate in a global affairs project, this is the site to search. Must join to get full access to lesson plans, online professional development, and collaboration opportunities. This is not a point, click, and print resource for lesson plans.</p>
<p>The NASA Quest Project</p> <p>www.quest.arc.nasa.gov</p>	<p>Searchable lesson plans for space and aeronautics. Good section on careers in aeronautics, plus K-12 teacher's guides. Current units of interest include Women of NASA and Astroadventures: Build a Habitable Planet.</p> <p>Designed to engage students in authentic scientific and engineering processes. The solutions relate to issues encountered daily by NASA personnel.”</p>	<p>Tons of relevant engaging lesson plans that you can use tomorrow. You can get on a mailing list and NASA will update you with information that students are interested in! If you want more general information on NASA, try www.nasa.gov/audience/fo_reducators/Redirect_SpaceInk.html</p>
<p>Smithsonian National Air and Space Museum</p> <p>www.nasm.si.edu</p>	<p>Classroom resources, online activities, electronic field trips, interactive videoconferencing, and professional development. Grades 3-12. A site as large as the Smithsonian itself. Links to other archives, museums and offices of education throughout the government.</p>	<p>Although this site is limited to science it is high quality.</p>

Site	Description	Comments
<p>U.S. National Archives and Records Administration</p> <p>www.archives.gov</p>	<p>Look for the section on the Digital Classroom, which offers lesson plans and ideas on how to use primary materials in history research.</p> <p>“The National Archives and Records Administration (NARA) is the nation's record keeper. Whether you want to see if they contain clues about your family’s history, need to prove a veteran’s military service, or are researching an historical topic that interests you”, you can find it all here!</p>	<p>A surprisingly interesting site. If you want a document or record, start here.</p> <p>Pertinent resource for history.</p>
<p>SitesAlive!</p> <p>www.sitesalive.com</p>	<p>A subscription service to web-based classrooms. “Students who subscribe to a sitesALIVE! program experience learning alongside students living and doing research (scientific, cultural, historical, etc.) in a remote location. By following a program throughout the semester, classroom students learn how basic academic concepts apply to “real-world” situations and witness exciting new discoveries almost as they occur.</p>	<p>Incorporates science, math technology, social studies, geography, history, and language arts.</p> <p>Especially good on environmental science, such as classes in rainforest and fisheries restoration in Central America.</p>
<p>Smithsonian Institution</p> <p>www.si.edu</p>	<p>“The world's largest museum complex and research organization composed of 19 museums, 9 research centers, and the National Zoo.”</p>	<p>Searchable lesson plans from preK-12; art & design, science & technology, history & culture, and language arts.</p> <p>Browse this one over the summer, when you have more leisure time.</p>
<p>ThinkQuest</p> <p>www.thinkquest.org</p>	<p>“Projects provide a flexible framework for engaging students in exploring curricular topics and developing 21st century skills, such as communication, teamwork, and technology skills. Students are motivated by the fun and creative format and the opportunity to make new friends around the world.</p> <p>For teachers, a school portal enables quick and easy management of student accounts and review of project work.</p>	<p>Great resource for integration of technology into the classroom.</p> <p>Must register – but free!</p>

Site	Description	Comments
<p data-bbox="159 184 488 254">United States Holocaust Memorial Museum</p> <p data-bbox="212 296 435 327">www.ushmm.org</p>	<p data-bbox="532 184 1083 254">A teacher-friendly site that will give you ideas, lesson plans, and resources.</p>	<p data-bbox="1105 184 1463 289">Indispensable as a resource for teaching about the Holocaust.</p> <p data-bbox="1105 331 1446 401">Professional development opportunities.</p>
<p data-bbox="245 447 402 478">Web Quest</p> <p data-bbox="142 520 505 590">http://edweb.sdsu.edu/webquest</p>	<p data-bbox="532 447 1083 657">Inquiry and web-based based project resources. Includes about 500 projects for students in grades 9-12. In addition to traditional subject matter, the projects usually include work on life skills and professional skills.</p>	<p data-bbox="1105 447 1463 737">These are collaborative, teacher written projects that are proven products. The projects are displayed using a common format—task, resources, problem, evaluation—that makes them extremely accessible.</p> <p data-bbox="1105 779 1446 810">2-3 yr subscription is \$20.</p> <p data-bbox="1105 852 1463 921">Information on how to give workshops on WebQuests.</p> <p data-bbox="1105 963 1463 1033">Great resource for a project in any subject area.</p>

Project-Based Learning Resources

Project-based, or PBL as it is often referred to, is learning that engages students in complex, real-world problem solving that is academically rigorous, relevant and uses active learning. PBL taps students' drive to learn, capability to do important work, and need to be taken seriously. Results are not predetermined or predictable. Students must draw from multiple information sources and disciplines to solve the problem. Resources below range from schools utilizing PBL to places to get training and ideas.

Site	Description	Comments
The Buck Institute www.bie.org	The Buck Institute for Education (BIE) is a non-profit, research and development organization dedicated to improving the practice of teaching and the process of learning.	Wonderful resources for projects on government & economics. Professional development and training available. A recognized leader in PBL.
Edutopia www.edutopia.org	The George Lucas Educational Foundation (GLEF) is a nonprofit operating foundation that documents and disseminates models of the most innovative practices in our nation's K-12 schools.	Great place for ideas. Many videos show student projects, research and current educational topics, blogs from other educators sharing information and Produces a magazine as well.
The FUTURES Channel www.thefutureschannel.com	A content service for educators in any setting. It gives users direct access to outstanding video, sound, image and print resources. The FUTURES Channel is an extremely powerful and convenient tool for creating and delivering effective, exciting lessons.	Focused on real-world applications of math and science.
Project Based Learning http://pbl-online.org	This is a one stop online resource for Project-Based Learning where you will find everything you need to design and manage high quality projects.	The gold standard for PBL resources – do not miss. The site will help you plan rigorous and relevant standards-focused projects, search for projects developed by others, and review research and web resources about PBL.

Site	Description	Comments
<p>Samford University Teacher Education</p> <p>http://dlserver.samford.edu/edu/teacheredpbl.htm</p>	<p>The goal of the Web site is to provide administrators, faculty, students and parents with detailed information on the components, implementation, assessment and documentation of PBL. The site also contains links to many other PBL related Web sites.</p>	<p>Most of the links go to other side for information.</p>
<p>Center for Occupational Research and Development</p> <p>www.cord.org</p>	<p>CORD is a national nonprofit organization providing innovative changes in education to prepare students for greater success in careers and higher education. CORD assists educators through new curricula, teaching strategies, professional development, and partnerships with community leaders.</p>	<p>Go to the curriculum materials & resources section to download free information.</p>
<p>ConnectEd California</p> <p>www.connectedcalifornia.org</p>	<p>This site contains numerous resources including a PBL development guide (See <i>Designing a Multidisciplinary Integrated Curriculum</i>), as well as integrated curriculum in many content areas including biomedical and health science, engineering, and arts, media and entertainment. The site also contains video examples of integrated curriculum.</p>	<p>A rich site with much to offer.</p>
<p>The Futures Channel Digital Video Resource Library</p> <p>www.thefutureschannel.com/real_world_professional.html</p>	<p>The Futures Channel Digital Video Resource Library contains "micro documentaries" that take students behind the scenes with architects and designers, artists and inventors, music composers and sound engineers, aerospace engineers, deep sea explorers, and dozens more men and women in careers that many students haven't even imagined.</p>	<p>This website offers a dozen movie clips showing how professionals use mathematics, science, the arts and other content areas in their careers.</p>
<p>The Digital Safari Academy</p> <p>www.digitalsafari.org</p>	<p>The Digital Safari Academy at Mt. Diablo High School in Concord, California is a 3-year college and career program beginning in the</p>	<p>Wonderful example of a school utilizing PBL and technology. Be sure to check it out for an example</p>

Site	Description	Comments
	sophomore year of high school. Over the three years, the students work on a series of large interdisciplinary projects that are completed through the use of industry standard multimedia tools. Examples of these exemplary projects are available on this web-site.	of what PBL looks like in reality.
College, Career and Technical Education Project Based Learning http://pbl.sdccte.org	This is the internet site where projects created by San Diego Unified School District teachers during Summer Project-Based Learning Institutes are posted in a database that is searchable by project title as well as content area/s. Most projects are interdisciplinary. Sample curriculum maps are also included.	Excellent place for examples of actual projects teachers created as a team. Some are more easily transferrable to other classrooms and schools but all provide inspiration and ideas.
High Tech High http://projects.hightechhigh.org http://www.hightechhigh.org/resource-center/Curriculum/Curriculum-HTH%20Guide%20to%20PBL.pdf	<p>This site provides a searchable database by content area, grade level, and project duration of projects designed by teachers at High Tech High.</p> <p>This web site provides a project-based learning workshop and other resources for designing high quality integrated curriculum.</p>	Again a wonderful site showing how PBL lives and breathes in a school.
New Tech Network http://www.newtechnetwork.org	An online project-based learning system — the PeBL™ Collaborative Learning Environment — which unifies students’ learning experiences, enabling them to share projects online, collaborate, and create new knowledge.	Links to articles and examples of schools in this Network provide examples of what PBL looks like in action.

Media Sources

The web offers access to interactive multimedia resources of all kinds. Many are familiar, such as www.cnn.com or abcnews.go.com. The sites listed here are designed more specifically for teachers and students.

Site	Description	Comments
History Channel www.historychannel.com	<p>Click on classroom resources for topics and teacher’s guides. Of special note are the Oral History Interview Guidelines, which are downloadable as a handout.</p> <p>Resources for teachers: newsletter, “idea book” (biannual magazine), interactive lesson plans, biography feature.</p>	<p>Well-designed site for teachers and students who are researching. Includes live webcasts, TV shows and clips.....great additions to a presentation.</p>
Media Awareness Network www.media-awareness.ca	<p>Offers a clearinghouse of information, teaching units on media and communications, student handouts, and media education tips.</p> <p>Information regarding parent involvement: “Parenting the Net Generation” and “Be Web Aware”.</p>	<p>The best site for media and communications. Comes from Canada, with a refreshing perspective on the media. Five star site.</p> <p>Best bet: online modules to teach students how to surf the web.</p>
U.S. News www.usnews.com	<p>Sections devoted to “k-12 News, Lasests in U.S. Education News, Best Colleges, Paying for College, Online Education, Careers”</p>	<p>A good resource for teachers to stay on top of the news that effects classrooms.</p> <p>No longer hosting a “classroom” section.</p>
USA Today Education www.usatoday.com/educate/home.htm	<p>“Resources designed to make your job easier in two ways: by drawing relevant connections between what students are learning in your class and actual events, trends and circumstances in the world around them, and by helping you develop in students the literacy, problem-solving and higher-order thinking skills they need to thrive in school, careers and citizenship.”</p>	<p>Excellent resources for bridging the gap between classroom concepts and the “outside world”.</p> <p>Weekly Cross- Curricular Activities!</p>

General Curriculum & Innovative Education Resources

Site	Description	Comments
<p>Awesome Library</p> <p>www.awesomelibrary.org</p>	<p>Catalogues the top 5% of all education resources, from more than 20,000 sources. Database for teachers, kids, teens, parents, librarians, and college.</p> <p>Searchable by “the Arts, English, Math, Social Studies, Science, Health, Technology, Languages, Literature, Title, Authors, Lessons, Reference, News, Special Ed, Geography, Counselor, Nurse, Principal, Teacher, Students, Main, Family, and Community.</p> <p>Available in 23 languages.</p>	<p>Narrows down (slightly) your internet search for websites, not direct links for lesson plans.</p> <p>Good set of rubrics and materials on public speaking for media and communications.</p>
<p>Galaxy k - 12</p> <p>www.k12hsn.org/calaxy/</p>	<p>The California K-12 High Speed Network (K12HSN) offers a comprehensive set of tools to support California classrooms. This free suite of tools, includes blogging, videoconference scheduling, wikis, an asset management module, as well as Moodle-an online course management system and a file sharing system where educators can upload videos, podcasts, images and documents. Thousands of Thinkfinity resources are also available.</p>	<p>Galaxy is an excellent tool to share lesson ideas, upload student learning objects, disseminate best practices, and more! Messaging and social networking functionalities help you connect with other educators in the K12HSN Community.</p>
<p>California Learning Resource Network (CLRN)</p> <p>http://www.clrn.org/home/</p>	<p>Find and compare electronic learning resources and online information links for free. A searchable database of standards-aligned software, video and Internet learning resources with hundreds of free primary, secondary and reference resources.</p>	<p>Hundreds or reviews of electronic educational resources for all academic subjects. Before investing in any electronic learning resources for your class check out this site.</p>
<p>The Leadership and Learning Center</p> <p>http://www.leadandlearn.com/</p>	<p>Doug Reeves organization that provides professional development for a fee.</p> <p>Includes podcasts, webinars, videoconferencing, professional development resources, The Center Magazine issues available.</p>	<p>For schools that are looking to improve student achievement.</p> <p>Must register.</p>

Site	Description	Comments
<p>Federal Resources for Educational Excellence (FREE)</p> <p>www.free.ed.gov/</p>	<p>A federal government web site that makes teaching and learning resources from across the federal government available in one place. This site lists all the education projects supported by more than 30 government agencies.</p> <p>Features animations, primary documents, photos, and videos searchable by subject areas: Arts & Music, Health & Phys Ed, History & Soc Studies, Language Arts, Math, and Science.</p>	<p>FREE relies on a search tool that displays the full text of each resource. Comprehensive and informative. Good source for project research.</p> <p>Search today, use it tomorrow!</p>
<p>The Gateway to 21st Century Skills</p> <p>www.thegateway.org</p>	<p>Spearheaded by the ERIC Clearinghouse on Information and Technology. Currently includes more than 7,000 items from 320 members of the consortium.</p> <p>“variety of educational resource types from activities and lesson plans to online projects to assessment items”</p>	<p>Teachers can type a topic, grade level, and other information into a search screen that retrieves—from more than 140 web sites—lessons, instructional units, and other free educational materials on the specified topic. Five stars.</p> <p>Lots of lesson plans, with descriptions. A few sentences to read vs. scrolling through the whole lesson. Great time saver!</p>
<p>Jobs for the Future</p> <p>www.jff.org</p>	<p>Good for research and publications on:</p> <ul style="list-style-type: none"> • school-to-career • internships • standards • 9th grade curriculum • mentoring 	<p>Site of a leading organization focused on school-to-career issues.</p>
<p>Education Northwest (formerly NWREL)</p> <p>www.nwrel.org</p>	<p>A comprehensive site devoted to school reform. Provides research-based resources on a variety of topics such as: Small Learning Communities, Assessment, Mentoring, Writing, Mathematics, among many other topics. Provides professional development and technical assistance as well.</p>	<p>A great site for seeing what is out there and what other schools and districts are doing to improve teaching and learning.</p>

Site	Description	Comments
<p align="center">Plato Learning</p> <p>www.plato.com/The-PLATO-Network.aspx</p>	<p>“PLATO Learning products cover a broad range of teaching and learning needs—from intervention and credit recovery and innovative and teacher-facilitated solutions for traditional classroom instruction to trend-forward distance learning options”</p>	<p>For those who are interested in credit recovery, online learning, and summer school.</p>
<p align="center">National Geographic</p> <p>www.nationalgeographic.com/education/</p>	<p>Searchable database by grade and topic. Many downloadable resources. Maps and adventures for students in:</p> <ul style="list-style-type: none"> • Geography • Biology • Health Sciences <p>Lessons and activities, EdNet (Education Network), Teacher Store, and The JASON Project. Newsletters, Educator Programs Galore!</p>	<p>This site is what you would expect from National Geographic: very organized, professional, comprehensive.</p> <p>Great for research videos, and relevant, current events in the classroom. Integration of interactive online projects.</p>
<p align="center">Pitsco Innovative Education</p> <p>www.pitsco.com</p>	<p>Pitsco is a private effort to “revolutionize high school education.” Many of the products are fee-based, but many other resources are available on this site.</p> <p>“Hands-On Real World Curriculum for the 21st Century”</p> <p>“Age appropriate, student centered, emphasis on reading, cooperative working in pairs and teams of six to solve real world problems while learning core curriculum concepts</p>	<p>Outstanding site worth looking at if you stress team-based and project-based instruction in your classroom. Emphasis is on technology.</p>
<p align="center">Rubistar</p> <p>www.rubistar4teachers.org</p>	<p>See rubrics in action. A required site for project-based teachers. Users can save and edit rubrics online. You can access them from home, school, or on the road. Registration and use of this tool is free.</p>	<p>Great time saver for making rubrics...point and click...and edit!</p>
<p align="center">The Virtual High School</p> <p>www.govhs.org</p>	<p>A collaborative of high schools that offer on-line courses that your school may not provide.</p>	<p>A non-profit endeavor, but charges an annual fee for participating schools.</p>

Site	Description	Comments
<p align="center">What Kids Can Do</p> <p>www.whatkidscando.org</p>	<p>Reviews meaningful community projects carried out by students all over the country. Good for:</p> <ul style="list-style-type: none"> • Journalism • Arts • Internships • Service Learning <p>“advocate for learning that engages students as knowledge creators and not simply test takers”</p> <p>“bring youth voices to policy debates about school, society, and world affairs”</p>	<p>If you’re momentarily uninspired, here’s the site to search. Theme— ‘Powerful Learning with Public Purpose’ —describes this site.</p>

Career And Subject Resources

These sites may overlap with general curriculum resources, but offer more specialized information for particular career fields and academic subjects.

Site	Description	Comments
<p>Access Excellence www.accessexcellence.org</p>	<p>Offers a Visual Library with three major sections. Resources section links you to array of subtopics. Emphasis on:</p> <ul style="list-style-type: none"> • Biosciences • Environment • Health • Math • Science <p>You'll also find bioethics lessons and plant genome projects.</p>	<p>Highlights include:</p> <ul style="list-style-type: none"> • The Living Skeleton, a series of X-ray images of the human body. • Graphics Gallery, a series of labeled diagrams with explanations of important processes of biotechnology. • Microscopy with light and electron projects by and for students.
<p>American Association for the Advancement of Science www.aaas.org</p>	<p>Covers all sciences, including social sciences. Large publications section, with books and other media available.</p> <ul style="list-style-type: none"> • Agriculture • Environmental Science • Health and Bioscience • Education • Engineering • Information Technology • Transportation • Aviation 	<p>Primary audience is not necessarily educators but there is a ton of info here.</p> <p>A good source to stay on top of emerging science and research.</p> <p>Includes Career Resources for students who are exploring options.</p>
<p>ArtsEdNet www.getty.edu/education/</p>	<p>The “homepage” for arts and communication. A large array of lesson plans available, plus all resources for arts instruction, organized by grade level.</p> <ul style="list-style-type: none"> • Media and Communications • Visual and Performing Arts 	<p>Try this site if you want to bring more art into your curriculum.</p>

Site	Description	Comments
<p>The Consortium for Mathematics and Its Applications (COMAP)</p> <p>www.comap.com</p>	<p>COMAP develops curriculum materials and teacher training programs that are multidisciplinary, academically rigorous, and fun, using mathematical tools to explore real-world problems.</p> <ul style="list-style-type: none"> • Math 	<p>Products are in print, video, and multi-media formats. Provides links to resources in mathematics and science for educators and students. Grades 9-12.</p>
<p>Eisenhower National Clearinghouse</p> <p>www.goENC.com/</p>	<p>Formerly the Eisenhower National Clearinghouse for Math and Science but this program is no longer funded by the government. However, the resources compiled over decades are still available in a searchable database. Focus on:</p> <ul style="list-style-type: none"> • Math • Science • Engineering • Electronics • Bioscience • Health • Environmental Science • Agriculture 	<p>A huge amount of curriculum that is easily searchable.</p>
<p>ExploreLearning.com</p> <p>www.explorelearning.com</p>	<p>A fee-based site for interactive, online simulations for math and science.</p>	<p>This site makes learning fun. Lots of interactions for fractions – a hard concept for so many students.</p>
<p>Federal Aviation Administration (FAA)</p> <p>www.faa.gov/education_research/education/</p>	<p>Offers Aviation Education Curriculum Guides as part of a collaborative effort between the Massachusetts Corporation for Educational Telecommunications, FAA, NASA, and Bridgewater State College.</p> <ul style="list-style-type: none"> • Aviation • Transportation 	<p>This is a good site if a student wants to do a history of aviation or learn about careers in aviation. The National Coalition for Aviation Education also offers here a guide to help educators identify and obtain aviation-oriented educational materials and information.</p>
<p>Foundation for Teaching Economics</p> <p>www.fte.org</p>	<p>Designed to “introduce individuals to an economic way of thinking,” this site offers detailed lesson plans in economics, as well as content standards, links, and resources.</p> <ul style="list-style-type: none"> • Agriculture • Environmental Science • Business 	<p>If you teach economics you should visit this site.</p>

Site	Description	Comments
	<ul style="list-style-type: none"> • Marketing • Finance • Consumer and Family Life 	
<p>History Matters</p> <p>www.historymatters.gmu.edu</p>	<p>U.S. history, with topics that cut across all careers. Offers lesson plans, resources.</p> <ul style="list-style-type: none"> • Math • Science • Humanities • Economics • Geography 	<p>A great “homepage” for U.S. history teachers.</p>
<p>Math Forum</p> <p>www.mathforum.com</p>	<p>The Math Forum is an online math education center that offers:</p> <ul style="list-style-type: none"> • Secondary math units • Web-based discussion areas • Forum Internet Mathematics Library • Ask-an-expert service 	<p>Good reference source for standard math subjects. Its problems of the week provide creative, non-routine challenges for students. Excellent list of Internet resources for specific math subjects.</p>
<p>National Center for History in the Schools</p> <p>www.sscnet.ucla.edu/nchs</p>	<p>U.S. history and world history. Units available that correlate to history standards. Designed for teachers who need ideas and materials for next month.</p>	<p>Easy-to-locate units and lessons. Reproducible, downloadable materials. An excellent user-friendly site. Five star site.</p>
<p>National Council of Mathematics Illuminations</p> <p>http://illuminations.nctm.org</p>	<p>Based on the NCTM Principles and Standards for School Mathematics, this site contains lesson plans and online activities developed by expert teachers, as well as mathematics education web resources and searchable interactive versions of updated NCTM standards.</p>	<p>Another easy to use site that allows you to go straight to grade level and topic to find lessons. Five star math site.</p>
<p>Ohio Math Works</p> <p>www.ohiomathworks.org</p>	<p>Ohio Math Works is a PBS project that shows students in grades 7, 8, and 9 how industry professionals use mathematics. Videos take students behind the scenes in companies and give them an opportunity to do the math-related tasks that are done by professionals on the job.</p> <ul style="list-style-type: none"> • Hospitality and Tourism • Culinary Arts • Health • Media and Communications • Visual Arts • Science • Journalism 	<p>On this award winning, engaging site for grades 7, 8, and 9, you’ll find math units that relate to:</p> <ul style="list-style-type: none"> • Theme parks • Snacks • Fashion • Weather • Newspapers <p>Five star site for integrating math and careers.</p>

Site	Description	Comments
<p>PBS Teachers http://www.pbs.org/teachers</p>	<p>A service of the Teacher Resource Service at PBS and participating public television stations nationwide. Provides a blend of technologies, including online communication and video. A large, general site with over 3,000 lesson plans in many subjects.</p> <ul style="list-style-type: none"> • Visual Arts Communications • Media Studies • Health 	<p>Can also be used as a specialty site for arts, literature, and health, where it is very strong.</p>
<p>TERC www.terc.edu</p>	<p>Non-profit education research and development organization whose mission is to improve mathematics, science, and technology teaching and learning. It develops, evaluates, promotes, and supports implementation of exemplary, inquiry-based mathematics and science curricula.</p> <ul style="list-style-type: none"> • Engineering • Technology • Agriculture • Biosciences • Health 	<p>A current, innovative site with a list of instructional programs and materials created by TERC. Many links to interesting projects/resources for students.</p>
<p>Worldwide Arts Resources www.wwar.com</p>	<p>Guide to arts curricula and resources used in arts high schools and programs across the country.</p>	<p>Many of these programs and resources maintain links to other arts resources on the web.</p>