

## Using the Internet in the Classroom

### Lesson Plans

As you seek resources for teaching, you'll find the Internet indispensable. You'll find ready-made lesson plans. Other sites supply you with information you need to design lessons that will be goal oriented and meet the objectives of your curriculum.

### Internet Buddies

Set bookmarks for sites you want students to access. Pair students and set up a schedule. Each day two students participate in an Internet activity while other students do their "morning stuff" – DOL, silent reading, etc. Here are some activities students could complete during this time:

- 1) Find out the weather forecast for the day/week and prepare to share this information with the class.
- 2) Find a news article / current event. Prepare to share with the class.
- 3) Complete a math boggler or puzzle
- 4) Participate in an Internet Education Project  
Globelearn: [www.globalearn.org/](http://www.globalearn.org/)  
Pitsco: [www.pitsco.com/p/collab.html](http://www.pitsco.com/p/collab.html)  
Eco-Marketing: [www.landmark-project.com/eco-market.html](http://www.landmark-project.com/eco-market.html)
- 5) Visit specific curricular sites

### Web Quests

Choose a topic students need to learn more about. Locate and bookmark web sites that give students the information they need to know. Give them specific assignments they need to complete at the web site(s). For example, you might give them a worksheet they need to complete. Maybe they will read information at a site, web information they gather, then write reports from their webs.

## Internet Scavenger Hunt

(From *The Online Classroom*, Eileen Cotton, Published 1996 by ERIC Clearinghouse)

<b>Goal:</b>	Students will learn to use the WWW. They will have a chance to display their existing knowledge about something, try to prove it, and finally, found out the answer, and either correct erroneous response or justify their correct response through documentation
<b>Rationale:</b>	Learning how to search the Internet is now an essential skill in our information-driven culture. This exercise will strengthen problem solving skills that will be transferred to other media resources
<b>Objectives:</b>	Successfully complete several searches. Write initial responses to questions to activate prior knowledge. Write documented responses to the same questions after completing the searches
<b>Procedures</b>	Set the stage for the Scavenger Hunt. Show students how to use the search engines. Show them how to do simple searches. Advise students to work in groups of two or three. Instruct students to bookmark the addresses they find so they can defend their agreements or disagreements, should anyone question their answers.
<b>Evaluation</b>	Students will have learned how to use the search engine(s). They should have a correct response to the items in the scavenger hunt. Have students swap written statements of documentation of their sources and assign the teams to test the other teams' search strategies by duplicating them.
<b>Anticipation Guide</b>	One way to approach a scavenger hunt is to start with an Anticipation Guide to focus student thinking. Write five questions or statements, and have students write whether they agree or disagree with them. Then they go to the Internet to try to back up their responses. They do this by searching until they find confirmation or disconfirmation of their responses.
<b>Examples</b>	Walt Disney wrote <i>Alice in Wonderland</i> . Agree or Disagree? Proof?  <i>White Fang</i> was written by the same author who wrote <i>The Grapes of Wrath</i> . Agree or Disagree? Proof?  The atomic number for chlorine on the Periodic Table of Elements is 17.  The latitude and longitude of the capital of Rhode Island is 42N, 13W.  The Iditarod dog-sled race is run between Fairbanks and Nome in Alaska.

## Virtual Tours

Funding limits the number and location of field trips we are able to provide for students. How about a virtual field trip! The Internet bridges not only miles, but time travel becomes possible as well! Here is an example of a Virtual field trip to Washington, D.C. With this lesson you can familiarize your students with the map of Washington, C.C., as well as with the significance of many of the beautiful buildings, monuments, and other landmarks that make Washington the living, open, history book of America that it is.

<b>A Virtual Tour of Washington, D.C.</b> (From <i>The Online Classroom</i> , Eileen Cotton, Published 1996 by ERIC Clearinghouse)	
<b>Goal</b>	Give students a better understanding of the geographic layout and historically specific composition of Washington, D.C.
<b>Rationale</b>	Washington, D.C. is the seat of American national government. When students know the lay of the land and the significance of the various official buildings, they tend to develop a better understanding of our country, our government, and our representative democracy.
<b>Objectives:</b>	
Internet:	Take a virtual tour of the Federal Area of the nation's capital.
Cartography:	Locate Washington, D.C. on a map of the US. Show location of White House, Capitol, Supreme Court. Determine and map the best route to the Smithsonian Institution from a starting point in Baltimore, Maryland. Determine ten places that seem important to visit in Washington, D.C. Draw a personal tour map of D.C., describing the tour that a cartographer would like to take.
Historic Meaning:	Take a virtual tour of points of interest in the city, including the White House, Supreme Court, Congress, Smithsonian, Treasury, Library of Congress. Discover the significance of the Lincoln Monument, The wahsington Monument, Jefferson Memorial, Vietnam Memorial, and other monuments and memorials in the city. Explain the differences in each of these public edifices, what they stand for, what takes place at each site, and their meaning for America. Select three or five and tell about their historical significance for the nation and the individual. Design a new monument for D.C., stating its significance.
<b>Procedures</b>	Set the stage by telling your class that they are going on a trip to Washington, D.C.. Give them some background about the nation's capital city.
<b>Evaluation</b>	By the end of the virtual tour, students will be familiar with the important buildings and monuments of the city. Expect students to be able to describe various monuments and tell their significance.

<p><b>Getting Started</b></p>	<p>The Washington, D.C., Visitor's Guide  <a href="http://www.clark.Net:80/pub/jridgely/dc/dcguide.html">http://www.clark.Net:80/pub/jridgely/dc/dcguide.html</a></p> <p>Travel to and in Washington, D.C.  <a href="Http://www.si.edu/welcome/planvis/travel.htm">Http://www.si.edu/welcome/planvis/travel.htm</a></p> <p>Cheap and Safe D.C.  <a href="Http://www.cais.com/npacheco/dc/dcfree.html">Http://www.cais.com/npacheco/dc/dcfree.html</a></p> <p>The White House  <a href="Http://www.whitehouse.gov">Http://www.whitehouse.gov</a>  <a href="Http://www.whitehouse.gov/White_House/Tours/OEOB/">Http://www.whitehouse.gov/White_House/Tours/OEOB/</a>  <a href="Http://dosfan.lib.uic.edu/DOSTour.html">Http://dosfan.lib.uic.edu/DOSTour.html</a></p> <p>The Congress  <a href="http://thomas.loc.gov">http://thomas.loc.gov</a>  <a href="http://policy.net/capweb/congress.html">http://policy.net/capweb/congress.html</a></p> <p>Justices  <a href="Http://www.law.cornell.edu/supct/justices/fullcourt.html">Http://www.law.cornell.edu/supct/justices/fullcourt.html</a>  <a href="Http://www.usdoj.gov/">Http://www.usdoj.gov/</a></p> <p>The Treasury Department  <a href="Http://www.ustreas.gov/treasury/homepage.html">Http://www.ustreas.gov/treasury/homepage.html</a></p> <p>FBI  <a href="Http://www.fbi.gov/">Http://www.fbi.gov/</a></p> <p>Library of Congress and Smithsonian  <a href="http://www.loc.gov/">http://www.loc.gov/</a>  <a href="http://lcweb.loc.gov/homepage/events.html">http://lcweb.loc.gov/homepage/events.html</a>  <a href="http://www.si.edu/">http://www.si.edu/</a>  <a href="http://galaxy.einet.Net/images/gems/gems-icons.html">http://galaxy.einet.Net/images/gems/gems-icons.html</a></p> <p>Monuments  <a href="http://www.co.arlington.va.us/museums.html">http://www.co.arlington.va.us/museums.html</a>  <a href="http://www.co.arlington.va.us/houses.html">http://www.co.arlington.va.us/houses.html</a></p>
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<b>What It Means To Me</b>	<p>For a culminating activity, have students select three to five “favorite places” they want to visit in D.C. Have them design a quick virtual tour for their classmates, showing and explaining the places they want to visit, and telling why those places are significant to them and to the country.</p> <p>Propose that each student design his or her own D.C. monument, draw a sketch of it, and be ready to explain the following to the class: What it would look like, what it is, where it would be in D.C., what it means.</p>
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Art		
<a href="http://www.artsednet.getty.edu/">www.artsednet.getty.edu/</a>	Art appreciation	K-12
<a href="http://fox.nstn.ca/~puppets/activity.html">http://fox.nstn.ca/~puppets/activity.html</a>	Puppets Page	K-6

General Education Sites		
<a href="http://www.eduplace.com">www.eduplace.com</a>	Mad libs	2-6

Math		
<a href="http://kao.ini.cmu.edu:5550/bdf.html">http://kao.ini.cmu.edu:5550/bdf.html</a>	Blue Dog Can Count	K-3
<a href="http://www.uni.uiuc.edu/departments/math/glazer/fun_math.html">www.uni.uiuc.edu/departments/math/glazer/fun_math.html</a>	Fun Math (puzzles, problems)	K-6

<a href="http://forum.swarthmore.edu/mathmagic">forum.swarthmore.edu/mathmagic</a>	Math Magic	
<a href="http://www.cyberspc.mb.ca/~dcc/phys/humor_ma.html">www.cyberspc.mb.ca/~dcc/phys/humor_ma.html</a>	The math humor page	
<a href="http://www.maa.org/mathland/mathland_archives.html">www.maa.org/mathland/mathland_archives.html</a>	Math Land	
<a href="http://www.TI.com">www.TI.com</a>	Texas Instrument	K-12
<a href="http://www.geocities.com/Athens/Ithaca/2475/mathmaniac.html">www.geocities.com/Athens/Ithaca/2475/mathmaniac.html</a>	Math Maniac's Home Page	
<a href="http://daniel.calpoly.edu/~dfrc/Robin">daniel.calpoly.edu/~dfrc/Robin</a>	Math Activities: NASA's Dryden Flight Research Center	K-12
Science		
<a href="http://www.nbn.com/youcan/">www.nbn.com/youcan/</a>	Beakman & Jax Science Stuff	3-6
<a href="http://www.uen.org/utahlink/pond/">www.uen.org/utahlink/pond/</a>	Explor-a-Pond	K-6
<a href="http://www.geocities.com/Athens/parthenon/6553">www.geocities.com/Athens/parthenon/6553</a>	Virtual Museum of Music Inventions	4-6
<a href="http://www.seanet.com/Vendors/billnye/nyelabs.html">www.seanet.com/Vendors/billnye/nyelabs.html</a>	Bill Nye, the Science Guy	K-6
<a href="http://www.crayola.com/crayola">www.crayola.com/crayola</a>	Crayola Crayons	K-6
<a href="http://www.symnet.net/User/afoster/safety/">www.symnet.net/User/afoster/safety/</a>	First Aid Online	K-12
<a href="http://faldo.atmos.uiuc.edu/WEATHER/weather.html">//faldo.atmos.uiuc.edu/WEATHER/weather.html</a>	The Weather Unit	
<a href="http://http://cwis.usc.edu/dept/garden">http://cwis.usc.edu/dept/garden</a>	Virtual TeleGarden	K-6
<a href="http://www.hq.nasa.gov/office/pao/NewsRoom/today.html">www.hq.nasa.gov/office/pao/NewsRoom/today.html</a>	Today at NASA	K-12
<a href="http://www.comet.chv.va.us/quill">www.comet.chv.va.us/quill</a>	Cells Alive	K-12
<a href="http://www.nj.com/yucky">www.nj.com/yucky</a>	Yuck	K-6
<a href="http://hypatia.gsfc.nasa.gov/NASA_homepage.html">hypatia.gsfc.nasa.gov/NASA_homepage.html</a>	NASA	K-12
<a href="http://www.nsf.gov/od/lpa/nstw/teaching/nstw1996/start.htm">www.nsf.gov/od/lpa/nstw/teaching/nstw1996/start.htm</a>	Science teaching activities	K-12
<a href="http://seds.lpl.arizona.edu/billa/tnp/">seds.lpl.arizona.edu/billa/tnp/</a>	Nine Planets Tour	4-12
<a href="http://www.mcn.org/MenComNet/Education/CUR/FLI/Flight.html">www.mcn.org/MenComNet/Education/CUR/FLI/Flight.html</a>	A Dream of Flight	4-6
<a href="http://www.aws.com">www.aws.com</a>	AirWatch	K-12


Teacher Sites		
<a href="http://www.uen.org/utahlink/index.html">www.uen.org/utahlink/index.html</a>	UtahLink	K-12
<a href="http://www.edu-soft.com">www.edu-soft.com</a>	Free educational software	K-6
<a href="http://www.Puzzlemaker.com">www.Puzzlemaker.com</a>	create puzzles and games	K-12
<a href="http://www.marion2.k12.sc.us/schools/mecc/LINKS.htm">www.marion2.k12.sc.us/schools/mecc/LINKS.htm</a>	Terrific educator links (Including ITI stuff!)	K-12
<a href="http://kovalik.com">http.kovalik.com</a>	Integrated Thematic Instruction	K-12
<a href="http://sunsite.Berkeley.edu/KidsClick!/">sunsite.Berkeley.edu/KidsClick!/</a>	KidsClick!	K-6
<a href="http://Bonus.com">Bonus.com</a>	Great kids site!	K-6
<a href="http://www.hipark.austin.isd.tenet.edu/home/teachers/grade.k/hull">www.hipark.austin.isd.tenet.edu/home/teachers/grade.k/hull</a>	Mrs. Hulls' Kindergarten Home Page	K
<a href="http://www.capecod.net/Wixon/wixon.html">www.capecod.net/Wixon/wixon.html</a>	Kathy Schrock's <i>Guide for Educators</i>	K-12
<a href="http://www.npac.syr.edu/textbook/kidsweb/">www.npac.syr.edu/textbook/kidsweb/</a>	KidsWeb (Table of Contents with listings for Arts, Sciences, SS, Misc.)	K-12
<a href="http://www.teleport.com/~vincer/starter.html">www.teleport.com/~vincer/starter.html</a>	Vose School Educational Resources	K-12
<a href="http://www.ehhs.cmich.edu/">www.ehhs.cmich.edu/</a>	Education Central WWW Page	K-12
<a href="http://www.wentworth.com/classroom/">www.wentworth.com/classroom/</a>	Classroom Connect	K-12

<a href="http://www.clark.net/pub/journalism/kid.html">www.clark.net/pub/journalism/kid.html</a>	Kid List	K-12
<a href="http://www.ascd.org">www.ascd.org</a>	Association for Supervision and Curriculum Development	K-12
<a href="http://www.teachingk-8.com">www.teachingk-8.com</a>	Teaching Pre-K-8 Idea Site	K-8

Social Studies		
<a href="http://eawc.evansville.edu/nepage.htm">eawc.evansville.edu/nepage.htm</a>	Ancient Cultures	4-12
<a href="http://geog.gmu.edu/gess/jwc/bosnia/bosnia.html">geog.gmu.edu/gess/jwc/bosnia/bosnia.html</a>	The Bosnian Virtual Field Trip	4-6
<a href="http://www.embassy.org">www.embassy.org</a>	UN Embassies	5-12
<a href="http://www.50states.com">www.50states.com</a>	50 States	4-12
<a href="http://cobweb.utcc.utk.edu/~hoemann/cwarhp.html">cobweb.utcc.utk.edu/~hoemann/cwarhp.html</a>	American Civil War HomePage	5-12
<a href="http://www.torstar.com/rom/egypt">www.torstar.com/rom/egypt</a>	Egyptian Hieroglyphics	K-6
<a href="http://www.computingcorner.com/holidays">www.computingcorner.com/holidays</a>	Holiday food, games, history	K-12
<a href="http://www.littlejason.com/lemonade/index.html">www.littlejason.com/lemonade/index.html</a>	The Lemonade Stand	
<a href="http://www.nationalgeographic.com">www.nationalgeographic.com</a>	National Geographic	
<a href="http://www.night.net/halloween/">www.night.net/halloween/</a>	Seasonal activities	
<a href="http://www.fi.edu/qa97/calendar9/">www.fi.edu/qa97/calendar9/</a>	This day in history	
<a href="http://www.historychannel.com/">www.historychannel.com/</a>	History	

Reading		
<a href="http://k12.oit.umass.edu/rref/html">http://k12.oit.umass.edu/rref/html</a>	Librarian's Ready Reference Guide to the Internet	K-12


Internet for Little Guys		
<a href="http://www.cochran.com/tt.html">www.cochran.com/tt.html</a>	Theodore Tugboat	K-3
<a href="http://www.pd.astro.it/forms/dearlife.html">www.pd.astro.it/forms/dearlife.html</a>	The Children's Page	K-3
<a href="http://www.cs.yale.edu/homes/sjl/froggy.html">www.cs.yale.edu/homes/sjl/froggy.html</a>	The Froggy Page	K-3