

Internet for Educators



Online Course

Contents:	Welcome to the Western Region Education Service Alliance Online.
Module 1: Using Internet Explorer	This is an Introductory level online course consisting of activities and tutorials designed for Internet Explorer 5.0. If you have an earlier version of Internet Explorer or if you use Netscape Navigator, you may notice a few differences in the views and toolbars. The basics however, are the same. While the content covered in this course is the same as that of the WRESA lab course, the presentation of the material is more detailed. In addition, the assignments to be completed in this course are somewhat larger, requiring more computer time.
Module 2: Using Search Engines	
Module 3: Using Online Resource Catalogues (Module 3 Assignment 1 due)	CEU Credit: To receive CEU credit from your LEA, you must register, receive confirmation, download the Practice Files, and complete and submit all course assignments. Upon completion of the course you will be mailed a certificate which you may send to your Central Office for the equivalent CEUs. Important! Some LEAs require prior approval of workshops and courses to be submitted for CEUs.
Module 4: Collecting - Submitting Subject Area/Grade Level Lesson Plans (Module 4 Assignment 1-3 due)	Course Requirements: Basic familiarity with computers and the Windows operating system, Internet Explorer installed on your computer, the ability to send and receive email (including attachments), and completion of all course assignments.
Module 5: Links of Interest	Course Contents: To the left you find a navigable list of course modules.
	Time needed to complete this course: 10 hours CEUs awarded by LEA: 1 (One) Assignments to be submitted: 4
	Click here to download the manual for this course in pdf format
	If you need Acrobat Reader to open pdfs you can get it here

Internet for Educators

Module 1


Using Internet Explorer

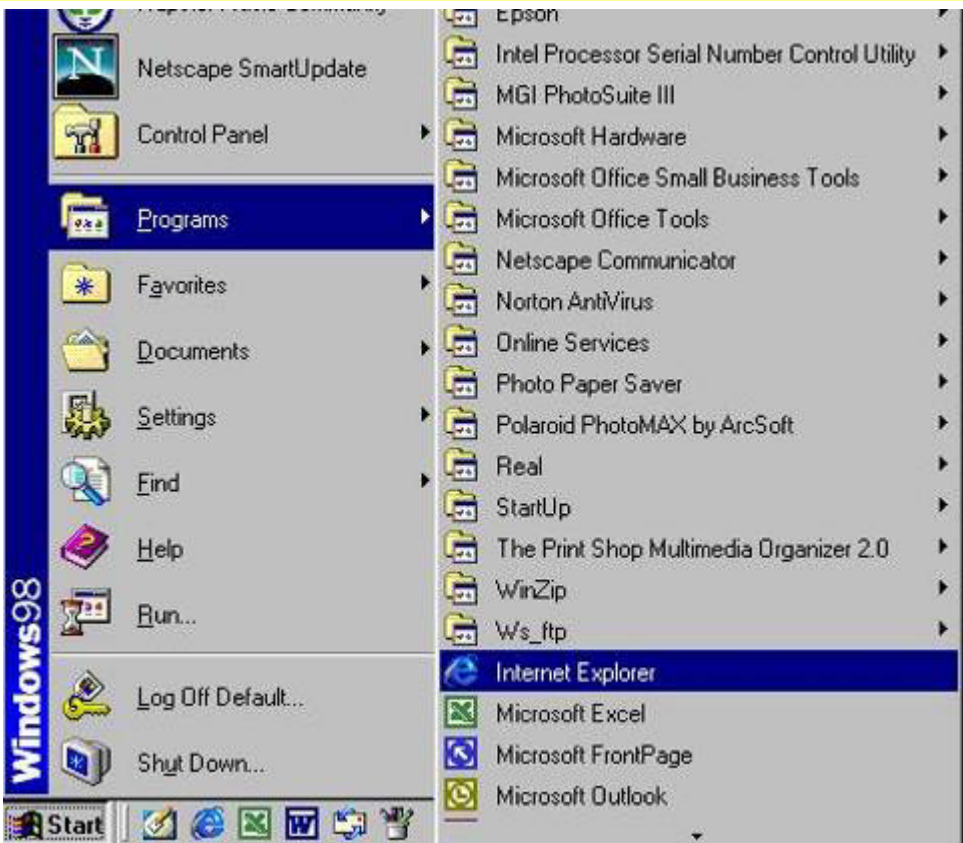
A *Web Browser* program, such as Internet Explorer allows you to view content on the Internet. If you prefer, you may use Netscape or any other browser you are familiar with. This module will cover the basic screens and tools of Internet Explorer version 5.0.

- **Launching Internet Explorer from Start→Programs Menu**
- **Getting Oriented - the internet Explorer Screen**
- **Getting Oriented - Toolbars and Menus**
- **Getting Oriented - The Address Bar**


Launching Internet Explorer from Start→Programs Menu

Activity 1: Launching Internet Explorer from Start→Programs Menu


1. 



Internet Explorer can also be started by double clicking the Desktop icon



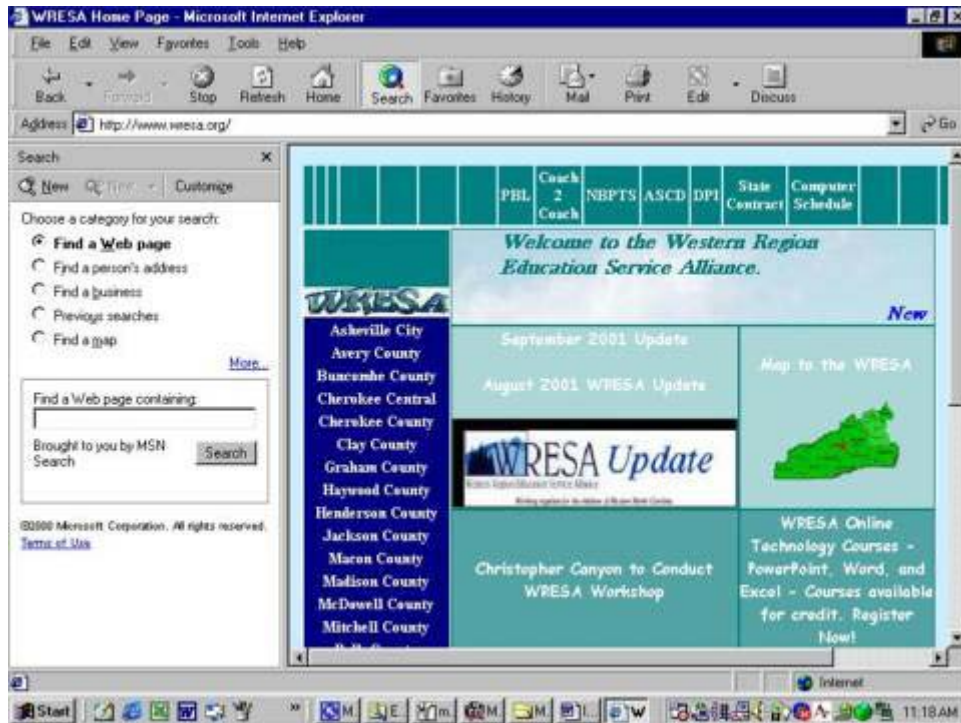
or, if you have Windows 98, by clicking on the Internet Explorer icon located on the QuickLaunch toolbar



Getting Oriented - the Internet Explorer Screen

Activity 2: Getting Oriented - the Internet Explorer Screen

1. It is assumed that you have some familiarity with using Internet Explorer to browse the web. In the screenshot below, and as a review, identify each of the following: Title Bar; Menu Bar; Standard Tool Bar; Address Bar; Explorer Bar (in this case you see the Search bar displayed); Status Bar; Scroll Bars.



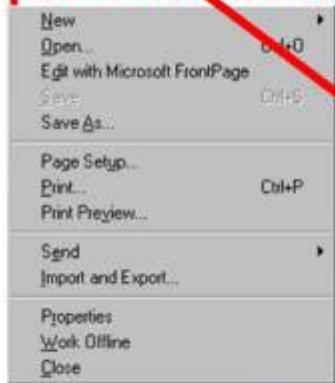
Getting Oriented - Toolbars and Menus

Activity 3: Getting Oriented - Toolbars and Menus

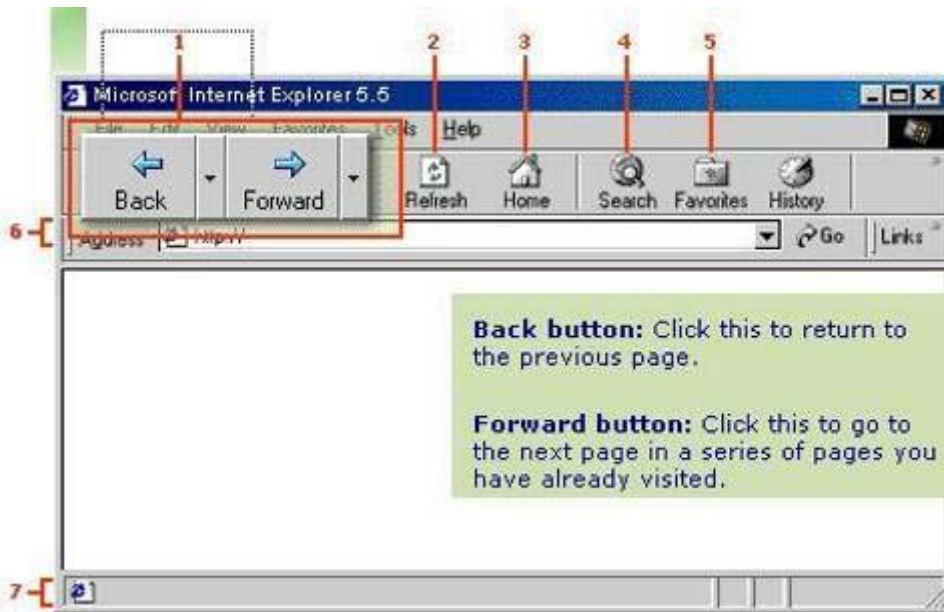
1. Explore the various Menu commands and Toolbar shortcuts.



Click on a Menu to see the commands

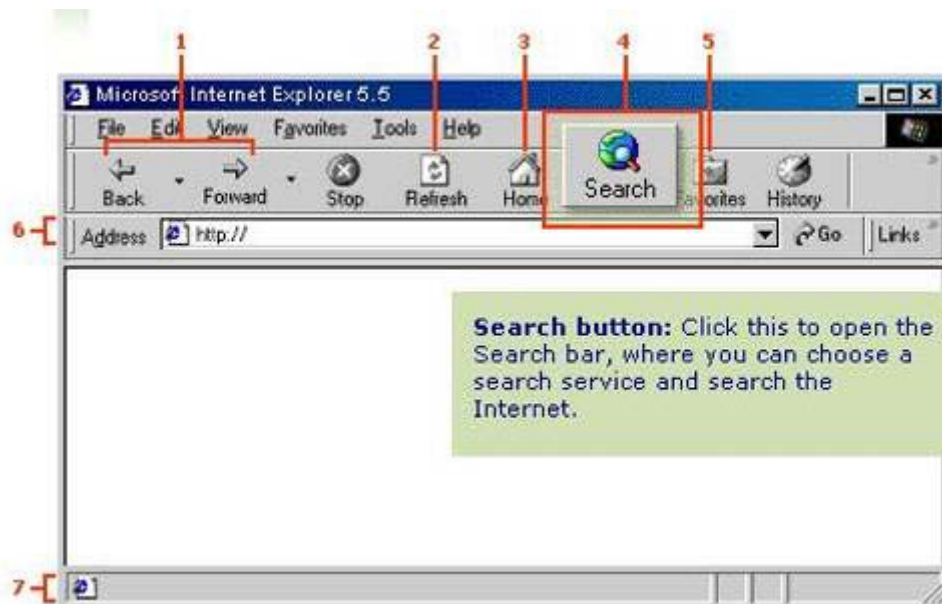
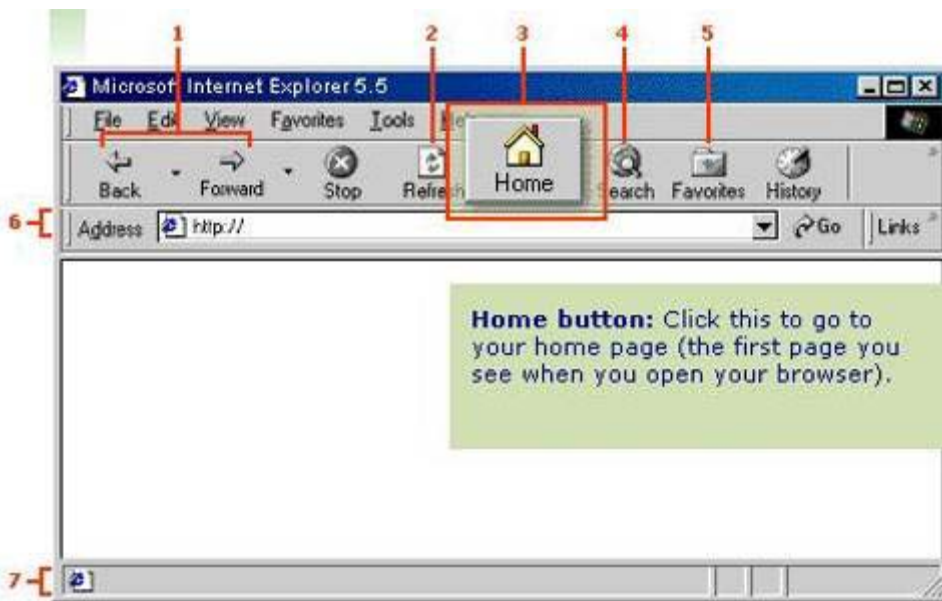
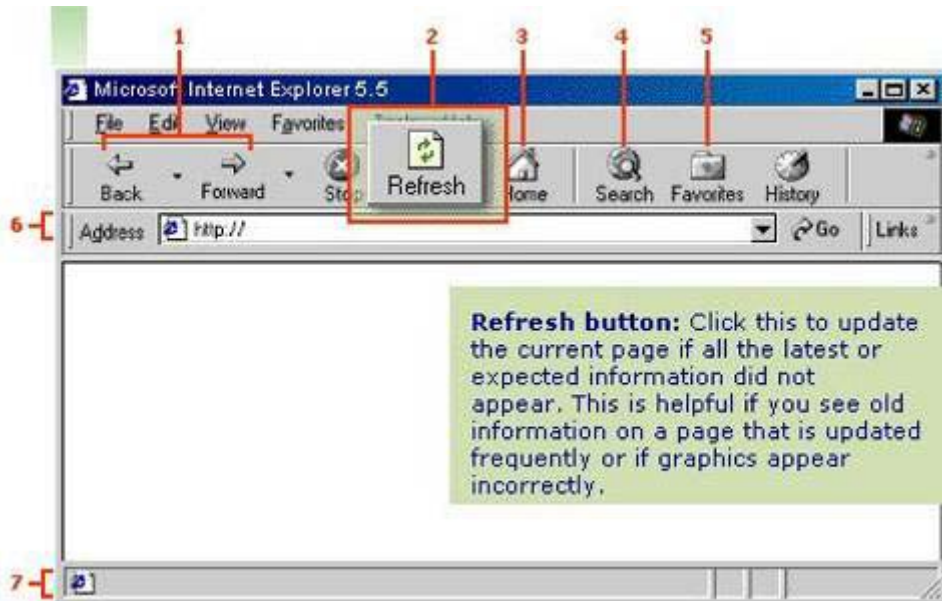


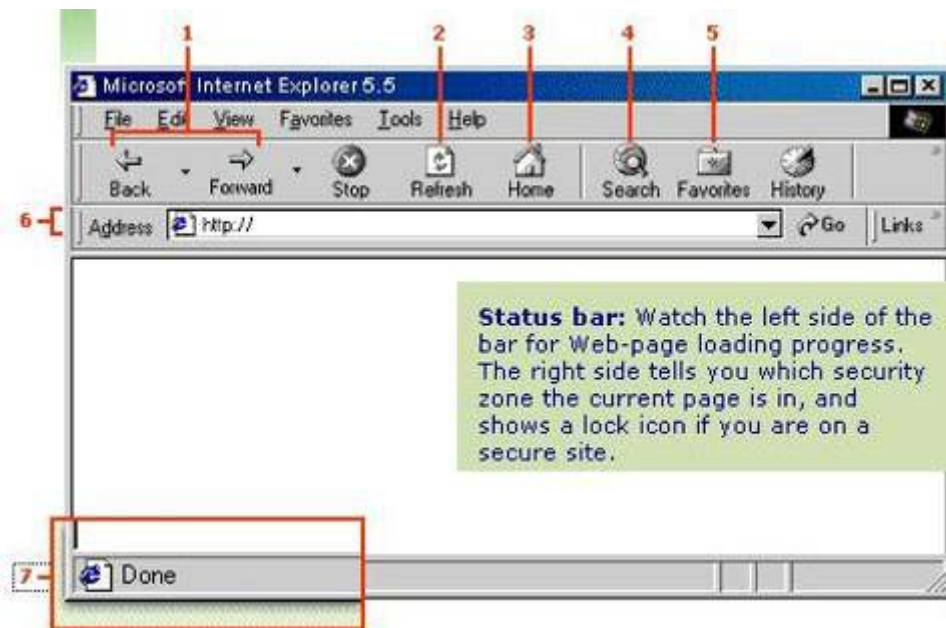
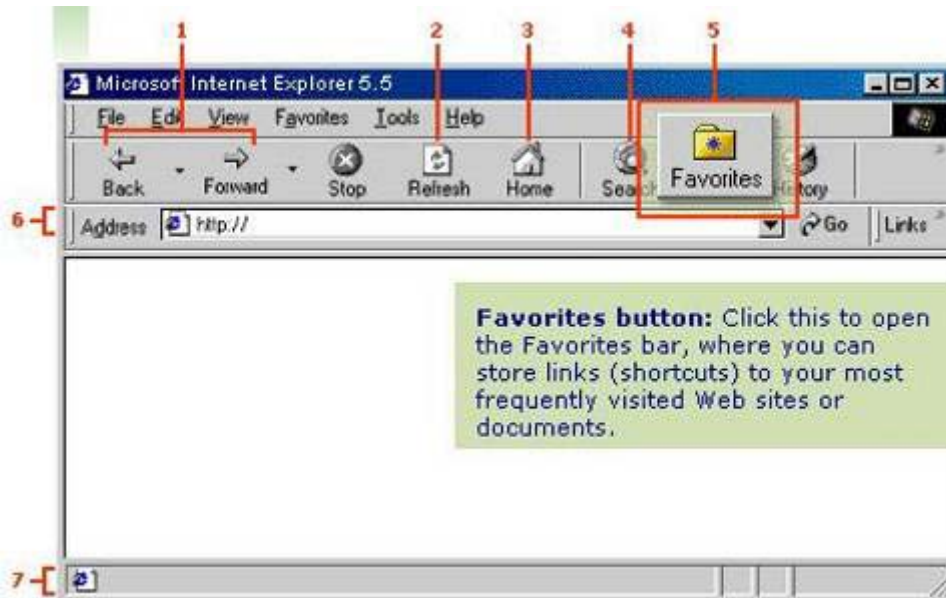
The Toolbar buttons are shortcuts:
For example, clicking on the back arrow takes you to the previous page; the forward arrow takes you to the next page



Back button: Click this to return to the previous page.

Forward button: Click this to go to the next page in a series of pages you have already visited.



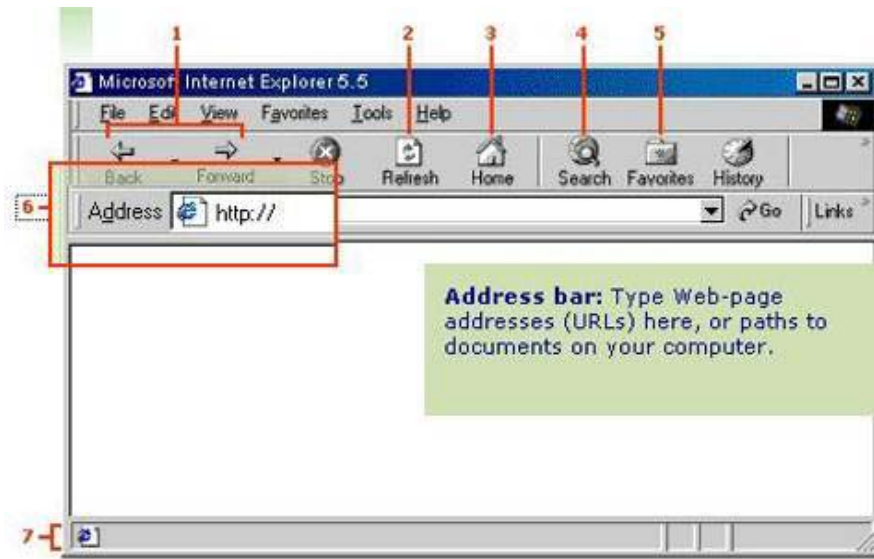


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Getting Oriented - The Address Bar

Activity 4: Getting Oriented - The Address Bar

1. To use the Address bar, type the URL (i.e. www.wresa.org) and click Go or hit the Enter key on your computer.



Practice using the Address bar by typing in the following addresses:

<http://www.usgs.gov/>

<http://www.nwf.org/education/>

<http://www.epa.gov/teachers/>

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You have now completed this module. Take a few minutes to review and practice what you have learned. If you are through for this session, close all programs, being sure to save any work. You may now begin the next module by clicking on the Back to Index link on this page and then clicking on the next module on the homepage of this course.

Internet for Educators

Module 2

Using Search Engines

A *Search Engine* is used to locate information on the Internet. Two very good Search Engines are Google and Alta Vista. If you prefer, you may use any other Search Engine you are familiar with. This module will cover the basic screens and tools of Alta Vista and Google.

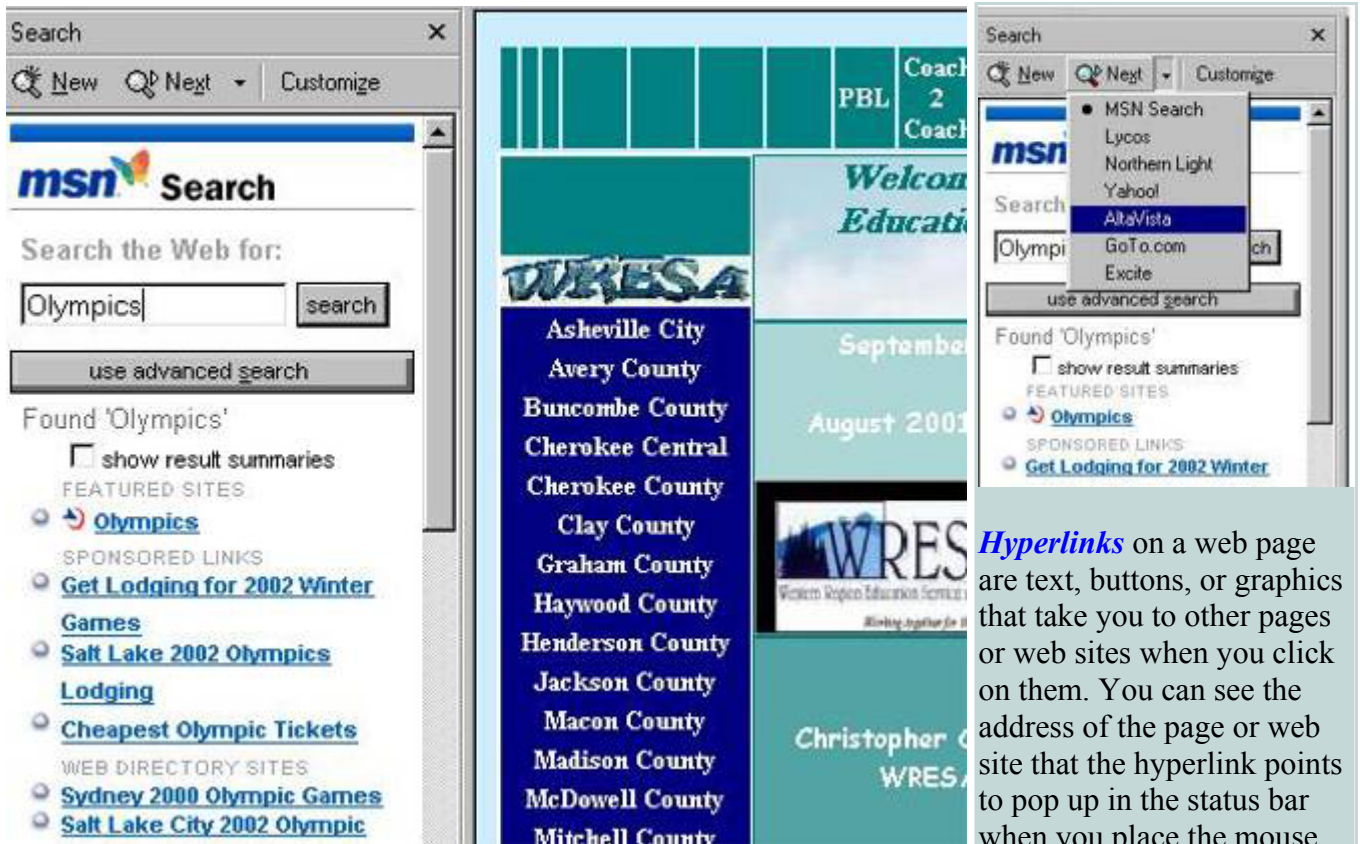
- Using the Internet Explorer Search Button
- Using Search Engines - Alta Vista for Images
- Using Search Engines - Google for Web Pages

Using the Internet Explorer Search Button

Activity 1: Using the Internet Explorer Search Button

1. Click on the Search button on the standard toolbar. The Search Explore Bar appears. The default search engine is MSN. In the “Find a web page containing ____” Section, type the word Olympics. MSN shows the first 10 of thousands of “hits”. These are hyperlinks. Click on a link to see a page. Notice that the Search Explorer Bar stays open. To try your search with other Search engines, click on the down arrow beside the “Next” button on the Explore Toolbar. Choose AltaVista. AltaVista displays a list of matching topics and the first 10 of thousands of “hits”.

Try the same search with some of the other search engines

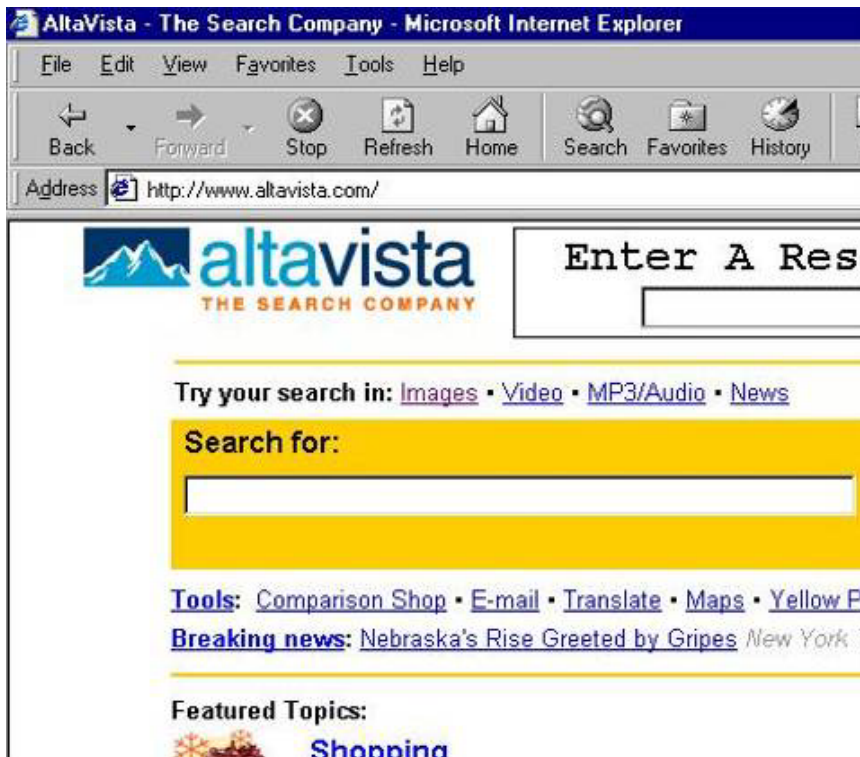


Hyperlinks on a web page are text, buttons, or graphics that take you to other pages or web sites when you click on them. You can see the address of the page or web site that the hyperlink points to pop up in the status bar when you place the mouse pointer on the hyperlink. You will also notice the appearance of the mouse pointer change to a pointing finger when you point to a hyperlink.

Using Search Engines - AltaVista for Pictures

Activity 2: Using Search Engines - AltaVista for Pictures

1. In the Address bar, type www.altavista.com . Hit the Enter key on your keyboard. This address takes you to the homepage of the search engine AltaVista. AltaVista contains some interesting features, including the ability to search the web for pictures.
2. Click the link beside Try your search in: Images
3. Type the keyword *dinosaur*. Check the boxes labeled Photos, Color, and the Web. Click the Search button. AltaVista displays thumbnails of images found on the web with the word dinosaur in the image name. To go to the Web page that contains the image, click the image.

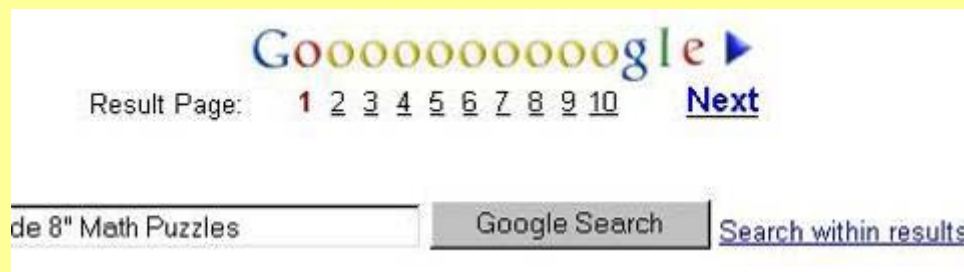


Please read the Disclaimer. Make sure you understand and follow Copyright laws. If you want to read more about Copyright in an electronic environment, the Department of Public Instruction has a very good document available at the following link:
<http://www.dpi.state.nc.us/copyright1>

Using Search Engines - Google for Web Pages

Activity 3: Using Search Engines - Google for Web Pages

1. In the Address bar, type www.google.com. Hit the "Enter" key on the keyboard.
2. Try some searches for web sites about your grade level/subject area. For example, type "Grade 8" Math Puzzles and click the Search Button. Google returns the first 10 of over 1200 "hits". You may see additional pages by using the page numbers at the bottom of the list.
3. Refine your search by clicking on the link labeled Search Within Results. This allows you to add descriptors, such as *Geometry* or *logic*.






Web Images Groups Directory

Google Search I'm Feeling Lucky

• [Advanced Search](#)
• [Preferences](#)
• [Language Tools](#)

Advanced Search Preferences Language Tools Search Tips

 Google Search

Groups Directory

Grade 8 Math Puzzles Results 1 - 10 of about 1,270

- Fun MATH Games, Puzzles & Adventures with Cyberchase
Animated Adventures that Use Math & Logic to Save the Day! Click NOW

... site, Mount Everest **Math Puzzles**, to feature in our April 23 ... We
... and are in **grade 8**. We are from New Brunswick ...
[com/ - 78k - Cached - Similar pages](#)

[iddle School](#)
... tional materials to teach mathematics. **Math 8** is a general mathematics
... e students not enrolled in Algebra I. Under the ...
[isbie/math8.html - 16k - Cached - Similar pages](#)

[: Tables, Mathematics **Puzzles** for ...](#)

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You have now completed this module. Take a few minutes to review and practice what you have learned. If you are through for this session, close all programs, being sure to save any work. You may now begin the next module by clicking on the Back to Index link on this page and then clicking on the next module on the homepage of this course.

Internet for Educators

Module 3

Using Online Resource Catalogues

There are several excellent catalogues of educational resources on the Internet. Two very good resources are *Technological Horizons in Education's* (<http://www.thejournal.com>) *Roadmap to the Internet* and *Education Index* (http://www.educationindex.com/education_resources.html). If you prefer, you may use any other index you are familiar with. This module will cover the basic screens and tools of *Technological Horizons in Education* and *Education Index*.

- Using the *Roadmap to the Internet* from *Technological Horizons in Education*
- Using *Education Index*

Using the *Roadmap to the Internet* from *Technological Horizons in Education*

Activity 1: Using the *Roadmap to the Internet* from *Technological Horizons in Education*

1. The *Technological Horizons in Education* has been providing resources for educators online for many years. One of the most beneficial offerings of [thejournal.com](http://www.thejournal.com) is the *Educator's Roadmap to the Internet*. It can be accessed by going to the website <http://www.thejournal.com/> and clicking on the link labeled T.H.E.Highlights. This takes you to a page with the link to the "Roadmap"



Our 2000-2001 directory of categorized resources for educators:

Click the link to go to the online catalogue

Arts and Humanities	Arts Design/Graphic Fine Arts History Humanities Language Arts Literature and Language (View Only) Music (View New Only) Theater (View Only) Visual Arts (View New Only) World Cultures/Langu
Disabilities/Special Education	General
History and Social Sciences	Anthropology & Archeology Geography History (View New Only) Social Sciences Women & Minorities Studies World Cultures
History and Social Studies	Current Events (View New Only) Geography (View New Only) History (View New Only) Social Studies (View New Only) World Cultures (View New Only) World History
Math and Science	Biology/Chemistry Earth/Environment Earth/Space Sciences (View New Only)

To the right you see a partial listing of the categories of the Roadmap to the Internet.

If you click on for example, the Arts subcategory of Arts and Humanities, you will see the following listing of sites:

Arts and Humanities - Arts

<http://www.acsa-arch.org/>

The Association of Collegiate Schools of Architecture represents 150 institutions in the U.S. and Canada.

<http://www.artsusa.org/>

Americans for the Arts seeks to attract more private and public funding for the arts.

<http://www.artswire.org/>

ArtsWire features news updates on social, economic and political issues affecting the arts. Great site!

<http://www.elia.ahk.nl/>

European League of Institutes of the Arts is an independent network of over 270 arts education institutes in 41 countries.

<http://www.finearte.com/>
FineArte's Guide to art schools.

<http://www.intelligent-agent.com/>
MIT newsletter for Interactive Arts & New Media.

Click on a link to visit the site.

[Geography](#)
[Hard Sciences](#)
[High-Ed Math](#)
[History](#)
[K-12 Math \(View New Only\)](#)
[Mathematics](#)
[Physical Science \(View New Only\)](#)
[Science](#)
[Space Sciences](#)

Using *Education Index*

Activity 2: Using *Education Index*

1. Another great catalogue site is <http://www.educationindex.com>.

Module 3 Assignment 1: Explore websites relating to your grade level/subject area using the online indexes described on this page. Find websites that contain information about the following:

- A) Henry Hudson
- B) Children with Diabetes
- C) A map showing the major roads in North Carolina at the turn of the century (1890's).

Email the links to assignments@wresa.org.

[Bookmark Us](#) - [Refer a Friend](#)



Help others make more **informed choices** about education by **submitting ratings & reviews** for your school, university or college. Education Index also has up-to-date **contact details** for every educational institution in the country

- Submit reviews of your college & school
- **Rate** different aspects of school & campus life
- Upload your own **photos** of your university or school.
- Help others make better choices

TOP 10 Biggest US universities

- 1 [Miami Dade College](#)
- 2 [Ohio State University Ma...](#)
- 3 [University Of Minnesota ...](#)
- 4 [The University Of Texas ...](#)
- 5 [Arizona State University...](#)
- 6 [University Of Florida](#)
- 7 [Michigan State University](#)
- 8 [Texas A & M University](#)
- 9 [University Of Central FL...](#)
- 10 [City College Of San Fran...](#)

Latest reviews

[Union Elementary School](#) - Gallatin - Submitted by: GAIL Im a: Parent Date: 05/03/2007

The teachers, principal and IEP teacher have been extremely helpful and supportive for my child that needs extra help. They made a taylor made program for my child which was right on target and have executed it for the last year and half according to their plan and the teachers have totally complied and supported my child with classroom needs. The school is a safe environment to learn and the school is run orderly and with the children respecting the rules. Parents' involvement is better...

[Hunterdale Elem.](#) - Franklin - Submitted by: michelle Im a: Parent Date: 06/03/2007

Hunterdale has by far met my greatest expectations. The teachers and support staff are outstanding and the friendliness of everyone you just cant find anywhere. Your child will get the best education and they work hard with the parents and students to make sure this happens.

[Elmwood Elementary School](#) - Lima - Submitted by: Matthew Sours Im a: Parent Date: 01/03/2007

I really am glad for good teachers,that have been there for my kid Nathaniel. He loves school.

Latest Pictures submissions

The following pictures were taken by students or former students:

Submitted by: stanley drayton (Student) - Date of picture: 4/1991
Description: Lanier high school.

Submitted by: Silla Tijerina (Former Student) - Date of picture: 3/2004
Description: Former Cheerleaders at DeepwateShade George,Priscilla Munoz,Danika Vasquez, Lee Harper,Bridgett

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Search for a school,
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Submit a
Search for the
college or univers
would like to review

Upload
Share photos of your
college or universi

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[Educational Res](#)

Browse by destinations

Alabama	Indiana	North Carolina	South Carolina
Alaska	Iowa	North Dakota	South Dakota
Arizona	Kansas	Nebraska	Tennessee
Arkansas	Kentucky	Nevada	Texas
California	Louisiana	New Hampshire	Utah
Colorado	Maine	New Jersey	Vermont
Connecticut	Maryland	New Mexico	Virginia
Delaware	Massachusetts	New York	Washington
Florida	Michigan	Ohio	West Virginia
Georgia	Minnesota	Oklahoma	Wisconsin
Hawaii	Mississippi	Oregon	Wyoming
Idaho	Missouri	Pennsylvania	District of Columbia
Illinois	Montana	Rhode Island	



[Homepage](#) > Directory

ADS BY GOOGLE

Science Lesson Find Valuable Information About Science Lesson Here ScienceLesson.Education-Place.info	Articles on Education KeepMedia - current and archived articles from premier publications www.KeepMedia.com
Search Teacher Sites Lesson Plans, Worksheets, Curriculum, and Puzzles. edHelper.com	Are You a Slacker Mom? 15 fun questions that will show you what type of mom you really are! www.AreYouASlackerMom.com

Search for a sch

Search for the sch
you would like

Share photos o

ADS BY GOOGLE

Education Education Curriculum, Instruction, K-12, Leadership degrees and more online. www.degreesatcapella.com	Online Education Directory of top Online Education Programs - rank by popularity GuideToOnlineSchools.com
Continuing Education Accredited College offers online courses in many fields. Start today www.aiu-onlinedegrees.com	University of Phoenix America's leading online university since 1976. Learn more today. www.uofphx.info

ADS BY GOOGLE

Online Education Directory of top Online Education Programs - rank by popularity GuideToOnlineSchools.com	Accredited Courses Find education Flexi Timing. Search & Enroll Now www.JustDegrees.com
Adult Education Programs Find Adult Education Programs at a 100% Online Adult School www.American-Degrees-Online.com	AIHT Distance education degrees. Course study includes Yoga. www.aiht.edu

Education Resources

This section is a topic-by-topic breakdown of the best sites on the World Wide Web. We're continually reviewing new sites and adding resources, and appreciate your comments and suggestions. [Suggest a link here](#)

Agriculture	Finance	Music
Anthropology	General Reference	Parks & Recreation
Archaeology	General Science	Performing Arts
Architecture/Design	Geography	Personal Services
Art	Geology	Philosophy
Astronomy	Health & Medicine	Physical Education
Biology/Life Sciences	History	Physics
Botany	Home Economics	Political Science
Business	Interdisciplinary Studies	Protective Services
Chemistry	Language	Psychology
Communications	Law	Public Administration
Computer Science	Liberal Arts & Sciences	Sociology
Conservation	Library Science	Statistics
Construction Trades	Literature	Technology
Economics	Manufacturing	Theology
Education	Marketing	Transportation
Engineering	Mathematics	Women's Studies
Environmental Science	Military Technologies	

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Assignment 1 is due at the end of this module. Email the results of the searches you conducted in Activity 2 above to assignments@wresa.org.

You have now completed this module. Take a few minutes to review and practice what you have learned. If you are through for this session, close all programs, being sure to save any work. You may now begin the next module by clicking on the Back to Index link on this page and then clicking on the next module on the homepage of this course.

Internet for Educators

Module 4

Collecting - Submitting Subject Area/Grade Level Lesson Plans

Most Lesson Plan sites are free to use by educators. The lesson plans are created by educators and are meant to be shared. Some sites allow any teacher to submit lesson plans. Some sites may require registration or paid membership. As always, when using information collected from the web, be sure you understand and follow copyright laws. If you would like to learn more about copyright laws, follow this link: <http://www.dpi.state.nc.us/copyright1.html>. In this module, you will collect lesson plans from some of the free sites. In addition, you will post a lesson plan that you have developed to a lesson plan sharing site.

- Exploring Lesson Plans on the Web
- Posting a Lesson Plan

Exploring Lesson Plans on the Web

Activity 1: Exploring Lesson Plans on the Web

1. Using a search engine, find links to lesson plan pages in your subject area. If you use Google, your search screen might look like the picture below:
2. Explore some of the links.

Module 4 Assignment 1: Submit a list of ten sites which contain lesson plans in your subject area/grade level. Email the links to assignments@wresa.org.

Module 4 Assignment 2: Submit links to two lesson plans that you will at some time use in your classroom. Remember, that you may modify any lesson plans you wish to use. Email the links to assignments@wresa.org.



[Language Arts Lesson Plans](#)

Language Arts Lesson Plans. Language - ARTS Elementary

(K-5). lang01.txt Successful Paragraphs ...

Description: Archive includes dozens of reading, grammar, and writing **lesson plans** geared toward young learners.

Category: [Arts > Education > Language Arts > Lesson Plans and Reproducibles](#)

www.col-ed.org/cur/lang.html - 14k - [Cached](#) - [Similar pages](#)

[CEC Lesson Plans](#)

... WE have a large collection of links to other Internet-Based **Lesson Plans** and Resources.

There are resources available here for both teachers and students. ...

www.col-ed.org/cur/ - 5k - [Cached](#) - [Similar pages](#)

[[More results from www.col-ed.org](#)]

[Language Arts](#)

... for grades K-12. Click here and scroll to find cross-curricular and **language arts** sections with **elementary** school **lesson plans**; click here and scroll to find ...

Description: Links to **lesson plans**, textbook publishers' resources, and creative writing.

Category: [Arts > Education > Language Arts](#)

www.csun.edu/~vceed009/languagearts.html - 101k - [Cached](#) - [Similar pages](#)

[TEACHERS HELPING TEACHERS](#)

... The students are divided ... activities. To integrate **language arts** into this community ... most valuable **lesson** I have ... HUNEWELL BRISTOL ELEMENTARY SCHOOL BRISTOL ...

www.pacificnet.net/~mandel/LanguageArts.html - 36k - [Cached](#) - [Similar pages](#)

Posting a Lesson Plan

Activity 2: Posting a Lesson Plan

1. Visit <http://www.lessonplanspage.com/submit.html> . This is one of many free sites for sharing lesson plans online. It includes a [lesson plan template](#) and a [10 step guide to writing lesson plans](#).

Module 4 Assignment 3: Using the lesson plan template at <http://www.lessonplanspage.com/submit.html> or any other template you are familiar with, create and submit a lesson plan of your own. Email the link to the lesson plan to assignments@wresa.org .

2. Visit some of these links to various lesson plans archives:



A to Z Teacher Stuff

<http://www.atozteacherstuff.com/lessonplans>

The Academy Curriculum Exchange

<http://ofcn.org/cyber.serv/academy/ace/>

AskERIC Lesson Plans

<http://ericir.syr.edu/Virtual/Lessons/>

Teachers.Net Lesson Bank

<http://teachers.net/lessons/>

DiscoverySchool.com

<http://school.discovery.com/lessonplans/index.html>

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Assignments 1, 2, and 3 from Activities 1 and 2 above are due. email the links to assignments@wresa.org

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Internet for Educators

Module 5

Appendix: Links to Educational Sites

Links of Interest

<http://www.cellsalive.com/>

This website represents over 25 years of experience capturing film and computer-enhanced images of living cells and organisms for education and medical research.

<http://www.usgs.gov/education/index.html>

The Learning Web, a portion of the USGS website, is dedicated to K-12 education and life-long learning. Explore things on, in, around and about the Earth such as land, water, plants and animals, and maps.

<http://www.nwf.org/education/>

For more than sixty years, the National Wildlife Federation has been a leader in environmental education, reaching out to the communities where children and adults live, work and play. Explore NWF's educational pathways to understanding, appreciating and safeguarding the natural world.

<http://www.healthychoices.org/>

The Healthy Choices for Kids nutrition education program was created by the growers of Washington state apples and is funded in part by the Washington Apple Education Foundation, Tree Top, Inc., and other industry sponsors. All materials are copyrighted, however any educator may freely copy and distribute all content for use in a classroom setting.

<http://www.windows.ucar.edu/>

Windows to the Universe is a user-friendly learning system on the Earth and Space sciences for the use of the general public. Since 1995, we have been developing an innovative and engaging Web-site that spans the Earth and Space sciences. Our goal in this new millennium is to continue to build an internet site that includes a rich array of documents, including images, movies, animations, and data sets, that explore the Earth and Space sciences and the historical and cultural ties between science, exploration, and the human experience. Our site is appropriate for use in libraries, museums, schools, homes, and the workplace. Students and teachers may find the site especially helpful in their

studying (and teaching!) Earth and Space sciences. Because we have users of all ages, the site is written in three reading levels approximating elementary, middle school and high school reading levels. These levels may be chosen by using the upper button bar of each page of the main site.

<http://www.monarchwatch.org/>

Monarch Watch is an educational outreach effort based at the University of Kansas that engages citizen scientists in large-scale research projects. It is one of the most successful and well-known outreach programs in the country and is producing real data, which is published in a "Season Summary", that relate to a serious conservation issue.

<http://kids.msfc.nasa.gov/>

NASA KIDS offers a fun way for children to learn about NASA's activities and science, using interactive tools and kid-attractive pages. NASA KIDS is an on-line or printable resource designed for kids aged 5 to 14.

<http://liftoff.msfc.nasa.gov/>

LIFTOFF offers a fun way for teens to learn about NASA's activities and science, using interactive tools and kid-attractive pages. LIFTOFF is an on-line or printable resource designed for kids aged 13 and up.

<http://quest.arc.nasa.gov/index.html>

Meet the people of NASA and look over their shoulders as they make NASA's goals a reality. Whether in the area of aerospace design or training for space walks, NASA Quest is a rich resource for educators, kids and space enthusiasts who are interested in meeting and learning about NASA people and the national space program. NASA Quest allows the public to share the excitement of NASA's authentic scientific and engineering pursuits like flying in the Shuttle and the International Space Station, exploring distant planets with amazing spacecraft, and building the aircraft of the future.

http://seawifs.gsfc.nasa.gov/ocean_planet.html

Ocean Planet, premiered at the Smithsonian Institution's [National Museum of Natural History](#) from April 1995 to April 1996, where it attracted nearly two million visitors. This electronic online companion exhibition contains all of the text and most of the panel designs and images found in the [traveling exhibition](#).

<http://www.questacon.edu.au>

Questacon believes that a hands-on minds-on approach is a great way for people of all ages to learn. Experience the fun and excitement of science and technology right here in Fun Zone!

<http://www.carolhurst.com/>

This site is a collection of reviews of children's books and ways to use them in the classroom. You can look them up by title, author, type, or age, and browse them in categories such as curriculum area, subject, and theme.

<http://etext.lib.virginia.edu/>

Hundreds of hypertext books, available for downloading. Huge resource.

<http://onlinebooks.library.upenn.edu/>

The Online Books Page is a website that facilitates access to books that are freely readable over the Internet. It also aims to encourage the development of such online books, for the benefit and edification of all.

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You have now completed this online course! Send an email to assignments@wresa.org when you have finished. As soon as we receive this email and the four assignments we will issue a certificate of completion using the information you provided when you registered.