

Web, Sustainability & Distance Learning Resources

Updated September 7, 2008

League for Innovation in the Community College, Higher Education Resources on the Web
http://www.league.org/leaguetc/resources/hied_resources.htm

The Fall 2008 issue of The Population Educator is now available on-line at

<http://ent.groundspring.org/EmailNow/pub.php?module=URLTracker&cmd=track&j=240844154&u=2547155>.

Click on "Free Newsletter for Teachers" to download the PDF file. This issue entitled, "Food In The Future" features an article on rising costs in food prices and related activities to use in your classroom, as well as background reading on this topic.

Vocational Information Center, Online Tutorials, Activities and Training Resources
<http://www.khake.com/page70.html>

The National Council for Workforce Education (NCWE) is an affiliate council of the American Association of Community Colleges (AACC) with a vision of developing and sustaining a premier workforce for the global economy.
<http://www.ncwe.org/links/>

ASSESSMENT, Personal Scale

What is a carbon footprint? Definition & calculators:

http://www.carbontrust.co.uk/solutions/CarbonFootprinting/what_is_a_carbon_footprint.htm

Carbon Trust: <http://www.carbontrust.co.uk/publications> Our mission is to accelerate the move to a low carbon economy by working with organisations to reduce carbon emissions and develop commercial low carbon technologies.

Carbon Footprinting, This guide provides an explanation of key footprinting concepts, a definition of the term 'carbon footprint' and an overview of the key issues in calculating an organisation's carbon impact, and an introduction to established corporate emissions reporting approaches, such as the GHG Protocol, produced by WRI and WBCSD. The guide explains key concepts such as definition of the organisational boundary, and how to classify different direct and indirect emissions sources, helping build a complete picture of an organisation's carbon impact. See: <http://www.carbontrust.co.uk/publications/publicationdetail?productid=CTV033>

ASSESSMENT, Community Scale

Sustainable communities consulting firm w/ free online resources including how to assess sustainability:

<http://www.sustainablemeasures.com/Sustainability/index.html> Great online training resource to deepen understanding of how & in which ways communities can work toward sustainability. Create homework exercise with list of questions students must answer by reading through training materials.

CONSUMPTION & PRODUCTION

UNEP sustainability fact sheets: advertising, ecodesign, energies, food, housing, leisure, lifestyles, mobility, information technology, textiles, tourism and water consult the [UNEP Resource Kit on Sustainable Consumption and Production](http://www.unep.fr/scp/publications/details.asp?id=WEB/0008/PA) <http://www.unep.fr/scp/publications/details.asp?id=WEB/0008/PA>

Online video clip "Eco-tips for jeans" For United Nations Environment Programme:

<http://www.unep.fr/scp/communications/ad/details.asp?id=6684432&cp=2&cat=new> How to decrease environmental impacts through jean care

UNEP TV spot on electronic waste (also called e-waste):

<http://www.unep.fr/scp/communications/ad/details.asp?id=6684133&cp=5&cat=23>

Recycle E-Waste at NextStep Recycling, Eugene, OR: <http://www.nextsteprecycling.org/> 2101 W. 10th, Eugene, OR 97402, Phone: 541-686-2366

COMMUNICATION & MARKETING

Database of corporate and public advertising campaigns specifically dedicated to sustainability issues and classified by sustainability themes: The Creative Gallery on Sustainability Communications:

<http://www.unep.fr/scp/communications/ads.htm>

Free CD-ROM entitled “Sustainability Communications – A Toolkit for Marketing and Advertising Courses” to provide higher education professors in the area of marketing, advertising and communication with materials on sustainability issues: <http://interactiveconf.wordpress.com/2007/09/01/sustainability-communications-%E2%80%93-a-toolkit-for-marketing-and-advertising-courses/> and

<http://www.unep.fr/scp/publications/details.asp?id=DTI/0886/PA>

Free PDF file, Talk the Walk - Advancing Sustainable Lifestyles through Marketing & Communications proposes key tips to develop appropriate marketing strategies and communicate effectively on sustainable goods and services:

<http://www.unep.fr/scp/publications/details.asp?id=DTI/0763/PA>

Communicating Sustainability - How to produce effective public campaigns proposes guidelines and features sixteen case studies from around the world to promote sustainable lifestyles through communication campaigns, Communicating Sustainability: How to produce effective public campaigns:

<http://www.unep.fr/scp/publications/details.asp?id=DTI/0679/PA>

UNEP Advertising and Communication Forum on Sustainability: promote products, services and campaigns that foster sustainable consumption; inform and inspire each other through workshops, meetings, publications, websites, etc: <http://www.unep.fr/scp/communications/>

Sources of free photos, images and clip art; by Towards Sustainability, an organization providing sources of images featuring sustainable development: <http://www.towards-sustainability.co.uk/infodir/photos.html>

POLLUTION

Oregon Environmental Council Report

<http://www.oeconline.org/our-work/kidshealth/pollutioninpeople/report/pollution-in-people-pdfs/pollutioninpeoplereport>

STATE OF THE WORLD, Water

The Alliance for Water Efficiency, a national non-profit organization that promotes the efficient and sustainable use of water, has announced the formal launch of a comprehensive web-based Water Efficiency Resource Library, in cooperation with the U.S. Environmental Protection Agency, who is a major partner and funder of the program. The Resource Library is located at www.allianceforwaterefficiency.org.

Water Policy Around the World, National Public Radio, [Talk of the Nation](#), October 13, 2006 · Increased demand for water around the world means that some sources are running dry, leaving areas without enough fresh water. More affluent areas are turning to untapped sources of water including desalination and creative reuse or recycling of existing water sources. <http://www.npr.org/templates/story/story.php?storyId=6261527&sc=emaf>

BBC, The Water Debate, various video clips & other resources discussing the global water issues of our time:

http://news.bbc.co.uk/2/hi/in_depth/world/2003/world_forum/water/default.stm

The NASA Earth Observatory: <http://earthobservatory.nasa.gov/>
Excellent facts, data & visuals

WATER

The Water Efficiency Journal (www.waterefficiency.net/) published by Forester Media at www.forester.net/

Water Efficiency Watch the online newsletter of the Alliance for Water Efficiency from
http://www.allianceforwaterefficiency.org/Water_Efficiency_Watch_July_-_August_2008.aspx

STATE OF THE WORLD, World Health

World Health Clock, shows stats of world population, species extinction, forests destroyed, diseases, etc.:
<http://www.peterrussell.com/Odds/WorldClock.php>

Share The World's Resources, www.stwr.org Many resources including: [STWR Talk: Global Warming and Global Poverty - Joining the Dots](#) A short video and a full length audio file (MP3) of a talk by STWR exploring the common causes of global warming and global poverty, and proposing measures based on greater economic sharing as a viable solution to tackling both critical issues.

Global climate change, Basics, Key Facts, State of the Climate: <http://www.stwr.org/climate-change-environment/key-facts.html>

Global Issues, <http://www.globalissues.org/>

Web links compiled by Susie Cousar, M.S., Faculty, Health Education, Health, PE and Athletics Dept., Lane Community College, (541) 463-5271 <http://sites.google.com/site/cousars/Home/web-research-links>

Eugene City Repair Team: eugenecityrepair@gmail.com

Free resource including sustainability training material fit for DL environment
<http://www.sustainablemeasures.com/Training/index.html>

Extensive reading list on various sustainability topics:

<http://www.sustainablemeasures.com/Resources/WrittenMaterial.html>

Online searchable database for sustainability teaching tools

http://www.teachsustainability.com.au/resources/search_script?keywordId=ALL%20SUSTAINABILITY%20TOPICS

Teacher's Guide to State Standards & Sustainability Concepts:

Quick reference guide so you can quickly and easily find curriculum and websites that reflect sustainability concepts and can be handed in with your lesson plans because they fulfill the Michigan State Framework Standards and Benchmarks. <http://www.urbanoptions.org/SustainEdHandbook/StateStandards1.htm>

Webcast will look at how colleges and universities are approaching the challenge of building sustainability into the curriculum, and will provide rich examples of the unique ways this is being done.

Presenters include: Geoffrey W. Chase, Debra Rowe, Peggy F. Barlett and more.

\$49 from http://www.scup.org/profdev/archive_cds/curr.html for 90 minutes.

National Sustainability Education Standards and extensive annotated bibliography of sustainability teaching resources. Teaching Resources includes links to lesson plans, activities, and units of instruction, teacher professional development opportunities, benchmarks and standards, essential questions, and methods and models for integrating ESD into existing curriculum.

http://www.uspartnership.org/index.php?option=com_content&task=view&id=79&Itemid=84

Cooperative Games for Social Change, <http://www.freechild.org/gamesguide.htm>

A free, downloadable guide to a variety of activities focused on helping students become active participants in social change.

University of Puget Sound

Classroom Sustainability: As part of efforts to incorporate sustainability into our curriculum,

<http://www.ups.edu/x6623.xml>

Virginia Tech Northern Virginia Campus, College Of Natural Resources, Sustainability Science course:

<http://www.earth-policy.org/Books/PB/VAtechsllabus04.doc>

University of Oregon Sustainability Database: <http://sustainability.uoregon.edu/search/>

CERES Community Environment Park

The ultimate aim of Education for Sustainability (EFS) is to give students 'ecoliteracy' and help future generations become citizens who are environmentally, socially and economically responsible. Although sustainability is not explicitly listed as a Domain or Dimension in the Victorian Essential Learning Standards (VELS), the Learning Focus statements and Standards are underpinned by the principle.

http://sustainability.ceres.org.au/files/sei_program_adult_PL.htm

Institute for Environment, Sustainability and Regeneration

The overall aim of the Institute for Environment, Sustainability and Regeneration is to draw together existing research activity on environment and sustainability topics, promote greater collaboration and cross-fertilisation and provide co-ordinated strategic direction.

<http://www.staffs.ac.uk/research/institutes/iesr.php>

National Association of College and University Business Officers on-demand webcasts:

<http://www.nacubo.org/x2153.xml>

Creating a Greenhouse Gas Inventory – What Does it Take? 120 minutes for \$189.00

Commit to Change: Leading Your Campus Towards Climate Neutrality 90.00 minutes for \$189.00

Center for Sustainability at Penn State

Center for Sustainability serves Penn State students by helping them locate courses that address sustainability topics including classes such as: Sustainable Design and Engineering, Sustainable Building Methods, Design of Appropriate Technologies for Developing Communities, Community Food Security, Global Food Strategies, Geography of the Global Economy and Renewable Energy Futures, Sustainable Building Methods and more.

<http://www.cfs.psu.edu/cfs/courses.aspx>

Center for Sustainability at Aquinas College, links to other university/college education in sustainability:

<http://www.centerforsustainability.org/resources.php?root=79&category=88>

Yale School of Architecture

<http://www.yale.edu/opa/newsr/08-01-10-02.all.html>

EcoSpeakers.com: Environmental & Sustainability Speakers BureauSpeakers on environmental and sustainability topics - sustainable development, land use, transportation, air and water quality, renewable energy, ...

www.ecospeakers.com/speakers

Local Sustainability Ideas Bank - Sustainable Community Action
The Ideas Bank pools action ideas for sustainability. The main focus is on what community groups can do, but we're also developing a category of articles
[... sca21.wikia.com/wiki/Local_Sustainability_Ideas_Bank](http://sca21.wikia.com/wiki/Local_Sustainability_Ideas_Bank)

The National Science Digital Library's sustainability interactive webpages:

http://sustain.comm.nsdlib.org/cgi-bin/wiki_print.pl?Sustainability

Resources for Open Source or Digital Libraries: http://sustain.comm.nsdlib.org/cgi-bin/wiki.pl?Sustainability_References

Open Courseware Consortium: OpenCourseWare is a free and open digital publication of high quality educational materials, organized as courses. The OpenCourseWare Consortium is a collaboration of more than 100 higher education institutions and associated organizations from around the world creating a broad and deep body of open educational content using a shared model.

http://www.ocwconsortium.org/index.php?option=com_content&task=view&id=15&Itemid=29

Search for courses. Some include: Blogs, Wikis, New Media for Learning; Introduction to Open Education; and several with sustainability in title or focus of class.

Web Resources (compiled by Stefan Aumack)

General Sites

1. CreativeChange.net
 - a. <http://www.creativechange.net/>
 - b. Sustainable Economics, Ecological Footprint, Sustainable Communities, Culture & Power, Food Systems
2. Earth Care Canada
 - a. http://www.earthcarecanada.com/EarthCARE_Resources/Default.asp
3. Learning for a Sustainable Future
 - a. <http://www.lsf-lst.ca/en/home/>
4. Biological Sciences Curriculum Study
 - a. <http://www.bsccs.org/>
5. Environmental Literacy Council
 - a. <http://www.enviroliteracy.org>

I. Environmental Justice / Power & Privilege / Distributions of Resources

a. Environmental Justice

- i. Environmental Justice Research Center
 1. http://www.ejrc.cau.edu/ej_educ_prog.html
 2. Research, policy, and information clearinghouse
 3. Articles, Reports, & Media Coverage
 - a. http://www.ejrc.cau.edu/ej_educ_prog.html
- ii. Environmental Justice Foundation
 1. <http://www.ejfoundation.org/>
- iii. U of O Coalition Against Environmental Racism
 1. <http://gladstone.uoregon.edu/~caer/>

- iv. North America Association for Environmental Education
 - 1. Environmental Justice
 - 2. <http://eelink.net/pages/Environmental+Justice>
- v. Oregon Law concerning Environmental Justice
 - 1. <http://www.leg.state.or.us/07orlaws/sess0900.dir/0909.htm>
- vi. List of Environmental Justice Resources
 - 1. http://www.mapcruzin.com/environmental_justice.htm
- vii. Relevant Articles (Posted for free on Lewis & Clark Environmental Law Web site:
 - 1. <http://www.lclark.edu/org/envtl/>
 - 2. “Toxic Wastes and Race at Twenty: why race still matters after all of these years.”
 - 3. “Healthy Schools: A Major Front in the Fight for Environmental Justice”
 - 4. “Environmental Justice in Oregon: It's the Law”
 - 5. “In My Backyard: How Enabling Hazardous Waste Trade to Developing Nations Can Improve the Basel Convention's Ability to Achieve Environmental Justice”

b. Power & Privilege

- i. White Privilege: Unpacking the Invisible Knapsack
 - 1. <http://www.uakron.edu/centers/conflict/docs/whitepriv.pdf>
- ii. Global Justice
 - 1. New Internationalist
 - a. <http://www.newint.org/>

c. Distribution of Resources

d. Tragedy of the Commons

- i. Curriculum & Resources
 - 1. Biological Sciences Curriculum Study
 - a. <http://www.bscs.org/curriculumdevelopment/highschool/othersupplemental/thecommons/>
 - 2. Garrett Hardin Society
 - a. <http://www.garretthardinsociety.org/>
 - 3. Environmental Literacy Council
 - a. <http://www.enviroliteracy.org/article.php/1160.html>
 - 4. Original Article
 - a. <http://www.sciencemag.org/cgi/content/full/162/3859/1243>

II. Energy / Global Climate Change / Carbon & Ecological Footprint

a. Global Climate Change – Info & Curriculum

- i. Union of Concerned Scientists
 - 1. <http://www.ucsusa.org/>
 - 2. http://www.climatehotmap.org/curriculum/climate_change_guide.pdf
- ii. An Inconvenient Truth
 - 1. <http://www.climatecrisis.net/>
 - 2.

b. Global Climate Change - FILM

- i. The American Association for the Advancement of Science
 - 1. You Tube: <http://www.youtube.com/watch?v=nZjrPoAlbU>
- ii. National Geographic
 - 1. <http://video.nationalgeographic.com/video/player/environment/global-warming-environment/way-forward-climate.html>
- iii. animated introduction

1. <http://www.youtube.com/watch?v=Zpu7IZcdzXE&feature=related>
- iv. Global Warming Cartoons
 1. http://www.youtube.com/watch?v=MoErCbT7_D4&feature=related
 2. This is Why I'm Hot w. Al Gore
 - a. <http://www.youtube.com/watch?v=NAtzU6AuD2g&feature=related>
 3. <http://www.youtube.com/watch?v=pK6KZE4gxa0&NR=1>

c. Global Climate Change – PowerPoint

- i. Lawrence Berkeley National Laboratory
 1. <http://learning.berkeley.edu/cipolat/PDF/ISF60/2005/Guest%20Lecturers%20Bios%20and%20PPTs/WJRiley.pdf>
- ii. http://www.ipcc.ch/pdf/presentations/pachauri-un_nyc_2007-09-07.pdf

d. Carbon Footprint

- i. CNN – Food's Carbon Footprint: <http://www.youtube.com/watch?v=zbdKZgFdazI>
- ii. ABC – Intro: <http://www.youtube.com/watch?v=i3W-4S6vb6s&feature=related>

III. Consumption Cycle

a. Population Growth

- i. Population Connection (formerly ZPG – Zero Population Growth)
 1. <http://www.populationeducation.org/>
- ii. Old ZPG Curriculum
 1. http://eric.ed.gov/ERICDocs/data/ericdocs2sql/content_storage_01/0000019b/80/13/75/cc.pdf
 - 2.

b. Carbon Calculator

- i. Inconvenient Truth Calculator
 1. <http://www.climatecrisis.net/takeaction/carboncalculator/>
- ii. Nature Conservancy Calculator
 1. <http://www.nature.org/initiatives/climatechange/calculator/>
- iii. EPA Calculator
 1. http://www.epa.gov/climatechange/emissions/ind_calculator.html

c. Ecological Footprint

- i. Calculator & Resources
 1. <http://www.myfootprint.org/en/>
- ii. Curriculum
 1. World Inter-Action Mondiale
 - a. <http://wiam.ca/wp-content/EcologicalFootprintWkshop.pdf>
 2. http://www-heb.pac.dfo-mpo.gc.ca/community/education/lessonplans/ecofootprint/downloads/ecofootprint_activity_e.pdf
 - 3.
- iii. Films
 1. <http://www.youtube.com/watch?v=LXXbAXG4zwA>
 2. <http://www.youtube.com/watch?v=pQIUMOJ2KYc&feature=related>
 3. <http://www.youtube.com/watch?v=YITrPpfeXG8&NR=1>

d. 3 – 4 R's

IV. Sustainable Agriculture

- a. Union of Concerned Scientists
 - i. <http://www.ucsusa.org/>
- b. Films Online
 - i. CNN – Food’s Carbon Footprint: <http://www.youtube.com/watch?v=zbdKZgFdazI>

V. Sustainable Living

- a. Eco Design
- b. Sustainable Development

VI. Sustainable Forestry

VII. Sustainable Fisheries

- a. Curriculum
 - i. Stream to Sea
 - 1. http://www-heb.pac.dfo-mpo.gc.ca/community/education/secondary/secondary_e.htm