

Library Resources for Teaching Sustainability



Sustainability: Enough For All Forever



We in higher education need to help students see positive outcomes and visions of the future, and help them participate in achieving them. Students understand they can be real change agents when they actually work in real world sustainability projects. — Debra Rowe, President, US Partnership for Education for Sustainable Development.



Climate change is not just an environmental threat but a critical human rights issue which touches every aspect of our lives: peace, security, poverty, hunger, health, mass migration and economics. — Bianca Jagger – “Now is the Time to Move Beyond Petroleum” - www.huffingtonpost.com/bianca-jagger/now-is-the-time-to-move-b_b_754459.html

From MDC's Strategic Plan: “...sustainability practices that distinguish Miami Dade College as a leading innovator in educating our students as contributors to a healthy planet, and as an institution that accepts its responsibility to preserve the natural environment.”



NEWS of the WORLD

Our challenge:

Elective Ignorance: [Entrenchment & President Santorum](#);

Unintended Consequences: [Gesundheit, and so on...](#)

Time: [as goes Greenland...](#)

One of the Things We Have Going for Us Right Here: [MDC: Earth Ethics Institute](#)

EEL's Green Challenge: <http://tiny.cc/1kw5q>



DATABASES

To Access: www.mdc.edu/libraries > Library Databases> Databases by Subject> ID: faculty #; Pin: last 4 numbers of faculty#

(1) General

- (a) GeneralOnefile (Gale)

(2) Social Science

- (a) CQ Researcher (CQ)
- (b) Opposing Viewpoints (Gale)
- (c) SIRS – (SIRS)

TIP: DON'T! bother w/*FIND TEXT*.

(3) Sciences

- (a) FMG – films (FMG)
- (b) GreenFile (EBSCO)
- (c) Nature (NPG)
- (d) Science in Context (Gale)
- (e) Science Online (Facts on File)
- (f) Today's Science (Facts on File)
- (g) Earth & Environmental Science – Journal (Springer)

TIP Make sure *Full Text* is checked.

(4) News and Current

- (a) NYT – Historical (ProQuest)
- (b) NYT – (Gale)





~~GOOGLE~~ ECOSIA: <http://ecasia.org>

Ecosia.org, though powered by Bing and Yahoo, double as an ecological contribution: not only are Ecosia search emissions offset, but clicks on ads within Ecosia = cents for the environment.



LO (& Beholds) – SITES & BOOKS & DVDs

LO 2, 5, & 10 – Quantitative & Analytical Skills to Evaluate Data



The opposite of a correct statement is a false statement. The opposite of a profound truth may well be another profound truth. – Niels Bohr

WEBSITES & ARTICLES for Assignments and Class Discussions
15 Mind-Boggling Green Facts & Stats: tinyurl.com/5vv39o

Climate Change Health Costs: <http://www.onearth.org/article/climate-change-health-costs-big-bill>

Greendex – World-wide Green Consumerism: tiny.cc/lz84n

Greendex footprint calculator: tiny.cc/74d2x

Water Footprint calculator: http://www.h2oconserve.org/?page_id=503

Global Warming and Math: The Hard Numbers: <http://discovermagazine.com/2008/nov/18-global-warming-math>

Global Warming Mathematics: <http://www.roperId.com/science/globalwarmingmathematics.htm>

Sustainability stories from NPR's *Marketplace*: www.marketplace.org/topics/sustainability

BOOKS & DVDs

Can we afford the future?: the economics of a warming world – Ackerman

Earth under fire: how global warming is changing the world – Braasch

Plan B 4.0 : mobilizing to save civilization – Brown

The plundered planet : why we must, and how we can, manage nature for global prosperity – Collier

EcoCommerce 101: adding an ecological dimension to the economy – Gieske

Ecological intelligence: how knowing the hidden impact

Climate savvy : adapting conservation and resource management to a changing world – Hansen

Costing the earth: perspectives on sustainable development - Meyer

Natural resources and sustainable development – Peacock

Common Wealth: economics for a crowded planet – Sachs

The bridge at the edge of the world: capitalism, the environment and crossing from crisis to sustainability - Speth

Management for a small planet - Stead

Using statistics to understand the environment – Wheeler

Global warming the signs and the science – DVD

Too hot not to handle - DVD

Human impact on the biosphere - DVD

LO 3, 5, & 10 – Critical/ Creative Thinking and Scientific Reasoning



Make everything as simple as possible, but not simpler. -- Albert Einstein

WEBSITES & ARTICLES for Assignments and Class Discussions

Fun Theory: www.thefuntheory.com

“...dedicated to the thought that something as simple as fun is the easiest way to change people’s behaviour for the better.”

Green Chemistry: <http://tinyurl.com/6xq7mg7>

From NPR’s Marketplace.

Grist: www.grist.org

Now that green is in every headline and on every store shelf Grist makes lemonade out of looming climate apocalypse.

Center for Climate and Energy Solutions (C2ES): www.pewclimate.org

Provides independent analysis and innovative solutions to address the climate and energy challenge. Includes *Climate Change 101*.

Real Climate: www.realclimate.org

RealClimate is a commentary site on climate science by climate scientists for the interested public and journalists.

Rocky Mountain Institute: www.rmi.org

RMI is an independent, entrepreneurial nonprofit think-and-do tank that drives the efficient and restorative use of resources.

TED (Technology, Entertainment, Design): www.ted.com

"Ideas worth spreading." Video presentations by innovating scientists, designers, artists, historians, and others.

http://www.ted.com/talks/lang/en/nalini_nadkani_on_conserving_the_canopy.html

http://www.ted.com/talks/lang/eng/michael_pawlyn_using_nature_s_genius_in_architecture.html

Union of Concerned Scientists: www.ucsusa.org

UCS is the leading science-based nonprofit working for a healthy environment and a safer world via citizen action to secure responsible changes in government policy, corporate practices, and consumer choices.

BOOKS & DVDs

Climate change, biodiversity and sustainability in the Americas : impacts and adaptations - Dallmeier

The atlas of climate change: mapping the world's greatest challenge - Dow

Getting a Grip 2: Clarity, Creativity and Courage for the World We Really Want - Lappe

Dire Predictions: Understanding Global Warming - Mann & Kump

Thinking in Systems - Meadows

Down to the Wire: Confronting Climate Collapse - Orr

The World According to Monsanto: Pollution, Corruption and the Control of Our Food Supply - Robin

Early Spring: An Ecologist and Her Children Wake to Global Warming - Seidl

Smart by Nature; Schooling for Sustainability - Stone

147 practical tips for teaching sustainability: connecting the environment, the economy, and society - Timpson

Climate of change - DVD

Earth days - DVD

LO 6, 5, & 10: Personal, Civic, & Social Responsibility



Do in your heart what you feel to be right, for you'll be criticized anyway. – Eleanor Roosevelt

WEBSITES & ARTICLES for Assignments and Class Discussions

AL Gore <http://www.algore.com>

Al Gore's Repower America.

Earth 911 www.earth911.com

Recycling close to you.

Good Guide: www.goodguide.com

GoodGuide rates over 150,000 products for environmental friendliness, toxicity, and social & safety records.

Green America: www.greenamericatoday.org

Harnessing economic power—consumers, investors, businesses, & the marketplace—for a just & environmentally sustainable society.

Institute for Local Self Reliance: www.ilsr.org

Strategies, models & information to support environmentally sound and equitable community development to maximize human, material, natural and financial resources; and to ensure that the benefits of these systems and resources accrue to all local citizens.

National Geographic's Green Guide: www.thegreenguide.com

Useful ideas in achievable steps, that make going green a gradual and affordable process rather than an all-or-nothing plunge.

Natural Resources Defense Council: www.nrdc.org

1.3 million members grassroots power with the expertise of 350+ lawyers, scientists and other professionals. Also, www.onearth.org

350: www.350.org

Bill McKibben's grassroots 350 addresses the climate crisis from the bottom up via volunteer organizers in over 188 countries.

BOOKS & DVDs

Eco Barons - Humes

Diet for a Hot Planet - Lappe

The Handbook of Sustainability Literacy - Stibbe, ed.

Eaarth : making a life on a tough new planet - McKibben

Worldchanging: A User's Guide for the 21st Century - Steffen

Ignition: what you can do to fight global warming and spark a movement - Isham & Wage

Getting Green Done: Hard Truths from the Front Lines of the Sustainability Revolution - Schendler

Fuel - DVD

Renewable energy - DVD

Burning the future coal in America. Fighting Goliath : Texas coal wars. - DVD

Tapped - DVD

Blue gold world water wars - DVD

Fate of the oceans - DVD

Crisis planet earth Into the depths - DVD

LO 7, 5, & 10 – Ethical Thinking



The sad truth is that most evil is done by people who never make up their minds to be either good or evil. -- Hannah Arendt

WEBSITES & ARTICLES for Assignments and Class Discussions

Earth Charter: <http://www.earthcharterinaction.org/content>

The Earth Charter Initiative promotes a sustainable global society founded on respect & care for the community of life, ecological integrity, universal human rights, respect for diversity, economic justice, democracy, & a culture of peace.

Ethical Trading Initiative: www.ethicaltrade.org

ETI is an alliance of companies, trade unions and voluntary organisations partnering improve the working lives of poor and vulnerable people across the globe who make or grow consumer goods - everything from tea to T-shirts, from flowers to footballs.

The Guardian - Sustainable Business: www.guardian.co.uk/sustainable-business

Envisioning leadership on sustainability within the media industry and to be environmentally regenerative in our activities.

US SIF: The Forum for Sustainable and Responsible Investment: <http://www.socialinvest.org>

Environmental & social investing toward long-term financial returns & building a sustainable & equitable economy.

World.org's 1000 Sites: <http://www.world.org/weo/top1000>

1,000 sites on Pollution, Recycling, Renewable Energy, Sustainable Growth, Telecommuting, and others.

YES Magazine: www.yesmagazine.org/planet

YES! reframes the biggest problems of our time in terms of their solutions.... with in-depth analysis, tools for citizen engagement, and stories about real people working for a better world. **See also: Yes for Teachers:** www.yesmagazine.org/for-teachers.

BOOKS & DVDs

Do Fish Feel Pain? - Braithwaite

Food Matters: A Guide to Conscious Eating - Bittman

Business ethics and the natural environment - Newton

Respect for nature: a theory of environmental ethics - Taylor

Environmental dilemmas: ethical decision making - Mugerauer

Ecological intelligence: how knowing the hidden impacts of what we buy can change everything - Goldman

Ethics and environment : power of green. - DVD

SRI climbing new mountains - DVD

Environmental issues & human impact - DVD

LO 9, 5, & 10 – Aesthetics



***When I am working on a problem I never think about beauty. I only think about how to solve the problem. But when I have finished, if the solution is not beautiful, I know it is wrong. --
Buckminster Fuller***

WEBSITES & ARTICLES for Assignments and Class Discussions

Andy Goldsworthy: http://www.rwc.uc.edu/artcomm/web/w2005_2006/maria_Goldsworthy/TEST/index.html

The website of our most natural designer.

Curitiba, Brazil: www.pbs.org/frontlineworld/fellows/brazil1203

Frontline's profile of the most consciously designed city on the planet. Also: http://en.wikipedia.org/wiki/Curitiba#Urban_planning

Green School: www.greenschool.org

In Bali, Green School incorporates sustainability and environment into its all its design, curriculum, and lifestyle.

Inhabitat: <http://inhabitat.com>

Design, technological innovations, and practices & materials design toward a smarter and more sustainable future.

Next Generation Design Competition: www.metropolismag.com/nextgen

Promotes environmental activism, social involvement, and entrepreneurship in young designers.

School Cafeteria Design: <http://tinyurl.com/26f83zy>

Re-designing the school lunch-line to promote healthier choices. **See also: The School-Lunch Test:** <http://tinyurl.com/zh5xb>

Design from Treehugger: http://www.treehugger.com/design_architecture/

Dedicated to driving sustainability mainstream via a modern aesthetic, a one-stop shop for green news, solutions, and product info.

US Green Building Council: www.usgbc.org

Working to make green buildings available to everyone within a generation. **See also USGB Students:** <http://tinyurl.com/3vo2zmf>

BOOKS & DVDs

The designer's atlas of sustainability - Thorpe

Andy Goldsworthy : a collaboration with nature

Cradle to Cradle : remaking the way we make things - McDonough

Ultra materials : how materials innovation is changing the world - Beylerian

Modern sustainable residential design : a guide for design professionals - Carpenter

Sustainable landscape construction : a guide to green building outdoors - Thompson

Green BIM : successful sustainable design with building information modeling - Krygiel

Environmentally responsible design : green and sustainable design for interior designers - Jones

Positive development : from vicious circles to virtuous cycles through built environment design - Birkeland

Building green - DVD

Green architecture environmentally friendly housing - DVD

Greensburg a story of community rebuilding - DVD

Industrial product design and sustainability designing with recycled materials. - DVD

Building with awareness the construction of a hybrid home - DVD



SOME LOCAL LINKS

Environment Florida: www.environmentflorida.org

Florida Climate Alliance: <http://floridaclimatealliance.groupsites.com/main/summary>

Florida PIRG: www.floridapirg.org

Sierra Club - Miami: <http://florida.sierraclub.org/miami>



SOME PROMPTS FOR PAPERS & DISCUSSION

Libguide: <http://libraryguides.mdc.edu/wallstreetoccupation>

Newsweek - 10 Big Green Ideas: <http://www.newsweek.com/2010/10/18/10-big-green-ideas.html>

Newsweek - Race to Buy Up the World's Water: <http://tinyurl.com/33gz2qd>

Vanity Fair - Monsanto's Harvest of Fear: www.vanityfair.com/politics/features/2008/05/monsanto200805

NYT - Pollan's letter to Obama: www.nytimes.com/2008/10/12/magazine/12policy-t.html

Guardian - Oil Companies Fund Tea Party: www.guardian.co.uk/world/2010/oct/24/tea-party-climate-change-deniers

Scientific America - 20 Ways to Build a Cleaner, Healthier, Smarter World: <http://tinyurl.com/347znew>

350 - Meat & Climate Change: www.350.org/en/node/8842 & **NYT - Against Meat:** <http://tinyurl.com/279pvoj>

Story of Stuff: www.storyofstuff.com



ACADEMIC ASSOCIATIONS

Association for the Advancement of Sustainability in Higher Education: www.aashe.org & <http://www.aashe.org/resources>
AASHE empowers higher education to lead the sustainability transformation via resources, professional development, and a network of support to advance sustainability in everything they do, from governance and operations to education and research.

American College & University Presidents' Climate Commitment: www.presidentsclimatecommitment.org
[ACUPCC](#) is a network of colleges and universities minimizing institutional greenhouse gas emissions and promoting sustainability research. [677 colleges & universities](#) have signed this commitment. See also [Second Nature](#).

Sustainability Tracking, Assessment & Rating System (STARS): <http://stars.aashe.org/>
from AASHE, is a self-reporting framework for colleges and universities to gauge relative progress towards sustainability.

College Sustainability Report Card: <http://www.greenreportcard.org>
The Sustainable Endowments Institute identifies "institutions that are leading by example" and which "learn from each others' experiences and help high school students identify a sustainable college."

Alliance to Save Energy – Green Campus Program: <http://ase.org/programs/green-campus>
Promotes energy-conservation and efficiency, & green curricula. Run by [Alliance to Save Energy: http://ase.org/](http://ase.org/), a non-profit combating global climate change via energy efficiency and funding student interns at participating institutions who, in turn, work closely with administrators, faculty and staff to create campus energy efficiency strategies.

National Wildlife Federation - Campus Ecology: <http://www.nwf.org/Global-Warming/Campus-Solutions.aspx>
NWF's Campus Ecology green education, student outreach, climate action competition campus, consulting, and & resources reaches about 1,000 campuses each year. Also: www.nwf.org & their annual student Chill Out competition: <http://www.nwf.org/campusecology/chillout/index.cfm> & Greener Campus Webinars <http://www.nwf.org/Global-Warming/Campus-Solutions/Events/Greener-Campus-Webinars.aspx>

A Sample of the Greening of Campuses

<http://www.princetonreview.com/green-honor-roll.aspx>
<http://www.nytimes.com/2010/08/26/education/26GREEN.html>
<http://www.grist.org/article/2009-08-20-top-20-green-colleges/PALL/print>
<http://www.triplepundit.com/2010/08/green-mountain-college-is-the-greenest-school-in-the-us/>
<http://tinyurl.com/35j6wyy>



Assignment for CTD Credit:

Using databases, websites, videos and/or articles, formulate a *specific* assignment /Lesson Plan, incorporating concepts of sustainability and the precepts of Learning Outcome 10 which addresses "how natural systems function and ...the impact of humans on the environment." (Please note: for CTD credit, the assignment must be sent to me by 4/6/12).



INVITE A LIBRARIAN TO YOUR CLASS

EEC : (305) 237-1905

Hialeah : (305) -237-8720

Homestead : (305) 237-5153

IAC : (305) 237-6058

Kendall : (305) 237-2291

Medical : (305) 237-4129

North : (305) 237-1142

West : (305) 237-8931

Wolfson : (305) 237-3144



VIDEO: [Home: the Only One You Got](#)



PLAN IT. EARTH.