

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-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 Antarctica...](#)

You Go Down There: www.youtube.com/watch?v=xWGAdzn5_KU

Connect the Dots: <http://www.climatedots.org/thingshappen/>

However...: www.earthethicsinstitute.org & EEI's Green Challenge: <http://tiny.cc/1kw5q>



DATABASES

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

(1) General

- (a) GeneralOnefile (Gale)
 - (b) Oxford Reference Online Premium (OUP)
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(2) Biography

- (a) Biography in Context (Gale)
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(3) Social Sciences

- (a) Opposing Viewpoints (Gale)
 - (b) SIRS - (SIRS)
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TIP: *DON'T!* bother w/FIND TEXT.

(4) Sciences

- (a) Earth & Environmental Science eJournal Collection (Springer)
- (b) Films on Demand - (FMG)
- (c) GreenFile (EBSCO)
- (d) Science (AAAS.org)
- (e) Science in Context (Gale)

TIP Make sure Full Text is checked.

(5) News and Current

- (a) NYT - Historical (ProQuest)
- (b) NYT - (Gale)
- (c) Access World News (Newsbank)
- (d) America's Newspapers (Newsbank)



A FEW ALTERNATIVES

Instead of ~~GOOGLE~~: **ECOSIA**: <http://ecosia.org>

Ecosia.org, though powered by Bing and Yahoo, Ecosia 1) offsets its search emissions and 2) click on ads = cents for the environment.

Instead of ~~AAA~~: **BETTER WORLD CLUB** www.betterworldclub.com

America's only Environmentally friendly auto club.

Instead of ~~MCDONALDS~~: **EAT WELL GUIDE** www.eatwellguide.org/i.php?pd=Home

An online directory for fresh, locally grown and sustainably produced food.

Instead of ~~GOLDMAN SACHS~~: **The Forum for Sustainable and Responsible Investment**: <http://www.socialinvest.org>

Our vision is a world in which investment capital helps build a sustainable and equitable economy. Also: **Social Funds**: www.socialfunds.com

Instead of ~~THE YELLOW PAGES~~: **THE GREEN PAGES**: www.greenamericatoday.org

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

Instead of ~~THE MALL~~: **SERRV** www.serrv.org

SERRV's mission is to eradicate poverty wherever it resides by providing opportunity and support to artisans and farmers worldwide.

See also *Ethical Trading Initiative* below under **Ethical Thinking – Learning Outcome 7**.

...and in general, **GOOD GUIDES**: www.goodguide.com

145,000 products rated for environmental friendliness, toxicity, & social & safety records. Also **Green Gadgets**: www.greenergadgets.org



L. O. (& Beholds) – LEARNING OUTCOMES



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

Climate Change Health Costs: <http://www.onearth.org/article/climate-change-health-costs-big-bill> ;
<http://www.nrdc.org/health/accountingforcosts/files/accountingcosts.pdf> ; <http://green.blogs.nytimes.com/2012/12/10/the-budding-health-care-costs-of-climate-change/>

Greendex – World-wide Green Consumerism: tiny.cc/lz84n See also Greendex footprint calculator: tiny.cc/74d2x

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

Global Warming's Terrifying New Math: www.rollingstone.com/politics/news/global-warmings-terrifying-new-math-20120719

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

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



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

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

Center for Climate and Energy Solutions (C2ES): www.pewclimate.org
Independent analysis & innovative solutions to address the climate and energy challenge. Includes [Climate Change 101](#).

Climate Central www.climatecentral.org
Leading scientists & journalists researching and reporting the facts about our changing climate and its impact on the American public.

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.”

Grist: www.grist.org

Making lemonade out of looming climate apocalypse.

How Stuff Works – Green Science: <http://science.howstuffworks.com/environmental/green-science>

Applying eco-friendly thinking to scientific disciplines. Our impact on nature and the planet, plus what we can do to combat them.

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.

Sceptical Science: www.skepticalscience.com

User-friendly hard Science to refute the Climate-change deniers.

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

TG DAILY <http://www.tgdaily.com/science/sustainability>

Sustainability news in technology.

Union of Concerned Scientists: www.ucsusa.org

Science-based nonprofit working to secure responsible changes in government policy, corporate practices, and consumer choices.



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

Climate Reality Project: <http://climaterealityproject.org/>

From Al Gore - Debunking the deniers.

Earth 911 www.earth911.com

Recycling close to you and more.

Institute for Local Self Reliance: www.ilsr.org

Providing strategies, working models and information to support environmentally sound and equitable community development.

National Geographic's Green Guide: <http://environment.nationalgeographic.com/environment>

Good intros to Environment, Energy, Fresh Water, Global Warming, Habitats, Natural Disasters, Ocean, & a Green Guide.

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: 350.org

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

Earthjustice: www.earthjustice.org

Dedicated to protecting the magnificent places, natural resources, and wildlife, & to defending the right of all people to a healthy environment.

Environmental Working Group: www.ewg.org

EWG is a watchdog so that Americans get straight facts, unfiltered and unspun, so they can make healthier choices and enjoy a cleaner environment.



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

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

The Earth Charter is a declaration of fundamental ethical principles for building a just, sustainable and peaceful global society.

Ethical Trading Initiative: www.ethicaltrade.org

Improving the working lives of poor and vulnerable people across the globe who make or grow consumer goods.

Green for All: <http://greenforall.org>

Green For All is a national organization working to build an inclusive green economy strong enough to lift people out of poverty.

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

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

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

Problems reframed in terms of solutions via analysis, citizen engagement. **Also: Yes for Teachers:** www.yesmagazine.org/for-teachers.



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

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

The website of our most natural designer.

Cities, Population, & Design – a TED talk: www.ted.com/talks/kent_larson_brilliant_designs_to_fit_more_people_in_every_city.html

Accommodating growing populations.

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.

The \$1,200.00 House: <http://grist.org/list/the-best-tiny-house-ever-can-be-yours-for-1200>

Efficient Design.

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

Making green buildings available to everyone within a generation. & **For Students:** www.centerforgreenschools.org/usgbcstudents.aspx



SOME LOCAL LINKS

Audubon Society: www.tropicalaudubon.org

Citizens for a Better South Florida: www.abettersouthflorida.org

Environment Florida: www.environmentflorida.org

Florida PIRG: www.floridapirg.org

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



SOME PROMPTS FOR PAPERS & DISCUSSION

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

Life After Oil and Gas – NYT – 3/23/13: <http://www.nytimes.com/2013/03/24/sunday-review/life-after-oil-and-gas.html?smid=tw-share&r=1&>

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> - in conjunction w/ the DVD “Flow.”

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

Lesson Plan- World Without Oil: <http://www.worldwithoutoil.org/metateachers.htm>



A Small Sampling of Recent Books in MDC Libraries

EcoCommerce 101 : the emergence of an invisible hand to sustain the bio-economy/ Timothy M. Gieseke

Capitalism and climate change : theoretical discussion, historical development and policy responses/ Max Koch

World on the edge : how to prevent environmental and economic collapse/ Lester Russell Brown

America the possible : manifesto for a new economy/ James Gustave Speth

The post carbon reader : managing the 21st century's sustainability crises/ Richard Heinberg

Pesticide drift and the pursuit of environmental justice/ Jill Lindsey Harrison

Environmental crime/ Mary Clifford

Architectural theories of the environment : posthuman territory/ Ariane Lourie Harrison

Design for sustainable change : how design and designers can drive the sustainability agenda/ Anne Chick

The renewable revolution? Sajed Kama

The business of sustainability : trends, policies, practices, and stories of success/ Scott G McNall

Fostering sustainable behavior : an introduction to community-based social marketing/ Doug McKenzie-Mohr

Renewable energy/ David M. Haugen

Renewable resources and renewable energy : a global challenge/ Paolo Fornasiero

Clean energy nation : freeing America from the tyranny of fossil fuels/ Gerald McNerney

Earth : the operators' manual/ Richard B. Alley

Clean tech nation : how the U.S. can lead in the new global economy/ Ron Pernick

The third industrial revolution : how lateral power is transforming energy, the economy, and the world/ Jeremy Rifkin

The role of the individual Rebecca Ferguson

Climate change denial : heads in the sand/ Haydn Washington

What will work: fighting climate change with renewable energy, not nuclear power/ K. S. Shrader-Frechette

Beyond earth day : fulfilling the promise/ Gaylord Nelson

EcoMind : changing the way we think, to create the world we want/ Frances Moore Lappe

A Small Sampling of Recent DVDs in MDC Libraries

Climate of change

Planet
Plastic planet
Surviving progress
Colony
Urbanized
Fuel
Power surge: are we finally on the brink of a clean energy revolution?
Building green
Life after oil the new energy alternatives
Greensburg a story of community rebuilding
Journey to planet Earth
Industrial product design and sustainability designing with recycled materials 09

Earth cinema circle
Stuff happens with Bill Nye
Ethics and environment : power of green.
No impact man
Ethics and environment : power of green.
Building with awareness the construction of a hybrid home
Renovation nation. Learn how to save water, save money
Growing green babies with eco-lifestyle expert Sara Snow
Earth days
Tapped
When the water tap runs dry
Blue gold world water wars
Water wars
Burning the future coal in America
Gasland Can you light your water on fire?



ACADEMIC ASSOCIATIONS

Association for the Advancement of Sustainability in Higher Education: www.aashe.org & <http://www.aashe.org/resources>
Providing administrators, faculty, staff and students, & businesses with thought, leadership, & essential knowledge resources.

American College & University Presidents' Climate Commitment: www.presidentclimatecommitment.org
Minimizing institutional greenhouse gas emissions & promoting sustainability research. 665 signatories. See also [Second Nature](#).

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

National Wildlife Federation - Campus Ecology: www.nwf.org/Campus-Ecology
Programming & onsite sustainability, consulting, climate action competition, educational events & resources to about 1,000 campuses per year. See also **Greener Campus Webinars**: www.nwf.org/Campus-Ecology/Events/Greener-Campus-Webinars.aspx & www.nwf.org.

PowerSave Campus: <http://ase.org/programs/powersave-campus>
Working with faculty, staff, administrators, and students throughout the country on campus educational campaigns. More than 4/5 of the student interns go on to get sustainability jobs. Part of **Alliance to Save Energy**: <http://ase.org>.



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." Samples Lesson Plans can be found on the EEI's website: www.earthethicsinstitute.org/Lessonplans.asp (Please note: for CTD credit, the assignment must be sent to me by 4/15/13).



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.

Steve Kronen – Faculty Librarian/ skronen@mdc.edu/ 305-237-8905/ 305-237-8931