

CLIMATE DAY 2010

<http://climate.nasa.gov/ClimateDay/>

Sponsored by NASA's Jet Propulsion Laboratory in partnership with the Centers for Ocean Sciences Education Excellence (COSEE)-West and the National Oceanic and Atmospheric Administration/National Weather Service

BEWARE OF PSEUDOSCIENCE/BAD SCIENCE!!

Pseudoscience: n. A theory, methodology or practice that is considered to be without scientific foundation; an activity resembling science but based on fallacious assumptions.

<http://dictionary.reference.com/browse/pseudoscience>

“The practitioners of (what scientists refer to as) pseudo-science generally know and even understand established scientific thought; they just reject it (for reasons which may have little to do with science itself).” <http://www.ems.psu.edu/~fraser/BadScience.html>

Bad science: “By way of contrast, purveyors of bad science are generally [people] who just don't know any better.” <http://www.ems.psu.edu/~fraser/BadScience.html>

Sites that educate people on recognizing pseudoscience and bad science:

How to talk to a climate skeptic: Responses to the most common skeptical arguments on global warming

<http://www.grist.org/article/series/skeptics/>

National Center for Science Education

A site that defends the teaching of evolution in public schools. They also have background information on the “Intelligent Design” movement.

<http://www.natcensci.org/default.asp>

Project Steve

<http://ncseweb.org/taking-action/project-steve>

Bad Science

A website dedicated to correcting the misinformation that teachers and parents teach to their students/children. It contains common misconceptions and their correct explanations. It links to a number of different sites, including “Bad Meteorology” and “Bad Astronomy.”

<http://www.ems.psu.edu/~fraser/BadScience.html>

Pseudoscience: What is it? How can I recognize it?

There is a chart on this site that compares science with pseudoscience. There are also a lot of useful and interesting links near the bottom of the page. This is a part of *Chem 1 General Chemistry Virtual Textbook* by Stephen Lower (retired member of Dept. of Chemistry, Simon Fraser University).

<http://www.chem1.com/acad/sci/pseudosci.html>

SKEPTIC Magazine

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

Skepticality: The official podcast of SKEPTIC magazine

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

The Baloney Detection Collection

A list of things to look for and questions to ask in order to detect bogus claims. Includes a short list of books on the subject of pseudoscience at the end. This website also available in Spanish, Korean and French.

<http://www.physics.smu.edu/~pseudo/baloney.html>

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SourceWatch

Not necessarily a site on recognizing bad science, this website is a strictly refereed database where one can check out "the names behind the news." Useful in checking out supposed "experts" on certain websites.

<http://www.sourcewatch.org/index.php?title=SourceWatch>

Integrity in Science

A searchable database whereby you can check out if a scientist or university has ties to industry.

<http://www.cspinet.org/integrity/>

Evaluating Internet Sites 101!

<http://www.diigo.com/bookmark/http%3A%2F%2Flibrary.albany.edu%2Fused%2Fwebeval%2F?tab=people&uname=nsdlworkshops>

The Seven Sins of Greenwashing

<http://sinsofgreenwashing.org/findings/the-seven-sins/#trade-off>

Humor/satire:

The Endangered Pacific Northwest Tree Octopus

A site based on a fictional animal. It's a good example of information that sounds valid, but that really isn't.

<http://zapatopi.net/treeoctopus/>

Save the Mountain Walrus

A site based on a fictional animal. It's a good example of information that sounds valid, but that really isn't.

<http://web.archive.org/web/20020124024407/http://www.end.com/~jynx/walrus/>

Church of the Flying Spaghetti Monster

A satirical website.

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

Sites to beware of:

Discovery Institute

Center for Science and Culture

<http://www.discovery.org/csc/>

ClimateClips.com

Purports to deliver views on how climate change is not due to anthropogenic causes.

<http://climateclips.com/>

CO2 Science

A site that disseminates reviews of books and scientific papers on carbon dioxide and global warming. There are also lesson plans on this site.

<http://www.co2science.org/>

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Squid-World

Not necessarily a malicious site, but one put up by a corporation whose main goal for the site is to make money off the ads that are shown, rather than on making sure the content is accurate.

<http://www.squid-world.com/squids-and-humans.html>

JunkScience

A site seemingly dedicated to debunking junk science claims, especially climate change.

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

The founder of JunkScience, Steve Milloy's SourceWatch entry:

http://www.sourcewatch.org/index.php?title=Steve_Milloy

Thunderwood College: Advanced Online Learning

Get your online degree now in seconds!

<http://thunderwoodcollege.com/>

Articles

From the BBC

The corruption of science? (February 2010)

<http://news.bbc.co.uk/2/hi/science/nature/8490481.stm>

'Show Your Working': What 'ClimateGate' means (December 2009)

<http://news.bbc.co.uk/2/hi/science/nature/8388485.stm>

From The Los Angeles Times

Bringing science back into America's sphere (August 2009)

<http://www.latimes.com/news/science/la-sci-mooneyqa22-2009aug22,0,3533284.story>

Essay – Wisdom in a Cleric's Garb; Why Not a Lab Coat Too? (June 2009)

http://www.nytimes.com/2009/06/02/science/02essay.html?_r=2&partner=rss&emc=rss

From the New York Times

The Thrill of Science, Tamed by Agendas (March 2010)

<http://www.nytimes.com/2010/03/18/arts/artsspecial/18SCIENCE.html?ref=science>

Opinion – License to Wonder (November 2009)

<http://judson.blogs.nytimes.com/2009/11/03/license-to-wonder/?ref=science>

Skeptoid: Critical Analysis of Pop Phenomena

How to spot pseudoscience (April 2007)

<http://skeptoid.com/episodes/4037>

From the Union-Tribune

Sherry Seethaler Defines The Problem (August 2009)

<http://www3.signonsandiego.com/stories/2009/aug/24/1c24sherry212349/?uniontrib>

From US News & World Report

"Deceptive 'Greenwashing' Aims to Trick Ecotourists" (May 2008)

<http://www.usnews.com/articles/science/environment/2008/05/23/deceptive-greenwashing-aims-to-trick-ecotourists.html?PageNr=2>

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From the Guardian

Junk Science: David Bellamy's inaccurate and selective figures on glacier shrinkage are a boon to climate change deniers (May 2005)

<http://www.guardian.co.uk/environment/2005/may/10/environment.columnists>

Videos

From YouTube

Open-mindedness

<http://www.youtube.com/watch?v=T69TOuqaqXI>

Evolution

<http://www.youtube.com/watch?v=vss1VKN2rf8&feature=channel>

TED Talk: Michael Shermer, Skeptic Society founder

"Why people believe strange things" (~13 min)

http://www.ted.com/index.php/talks/michael_shermer_on_believing_strange_things.html