

Q & A**Student1776 Logout**

Admin

Teaching Resources #90429

What are some useful teaching resources? (include link where appropriate)

Sort by Expand all | Collapse all Nest categories Show response in one category Show discuss only

73 responses from 40 authors

▼ **Online resources** (15)

- Carl wieman science education initiative <http://www.cwsei.ubc.ca/>
- Gis 4 geomorphology (<http://gis4geomorphology.com/>)
- Hhmi resources: <http://www.hhmi.org/biointeractive/>
-- Edward_Davis
- <Http://serc.carleton.edu/nagtworkshops/geochemistry/index.html>
- I f&\$@ing love science
- I've used google images to find good websites with other peoples online lectures
- Iris usarray ground motion simulations are amazing for showing how earthquake waves move:
<http://www.iris.edu/dms/products/usarraygmv/>
- New england geology: <http://www.lisrc.uconn.edu/lisrc/geology.asp?p2=history&p3=glhct>
- Online text for remote sensing:
<http://nature.berkeley.edu/~penggong/textbook/>
- Sepm strata website for teaching stratigraphy
<http://www.sepmstrata.org>
- There are many useful video on youtube for teaching geosciences (www.youbute.com).
- Tomorrow's professor mailing list: <http://cgi.stanford.edu/~deptctl/cgi-bin/tomprof/postings.php>
- University of british columbia carl wieman science education initiative: <http://www.cwsei.ubc.ca/>
<http://www.eos.ubc.ca/research/cwsei/>
-- G.Robert
- Visible earthquake (<http://earthquake.visiblegeology.com/>)
- [Www.opentopography.org](http://www.opentopography.org) - great portal to free high-resolution lidar topography datasets (in variety of formats including shaded kmzs). very good for small research projects or for showing off lidar data in class.

http://earthquake.visiblegeology.com
highresolution
http://www.sepmstrata.org
geosciences
http://nature.berkeley.edu/penggong/textbook/formats
www.youbute.com simulations/datasets
http://serc.carleton.edu/nagtworkshops/geochemistry/index.html
http://www.hhmi.org/biointeractive
http://gis4geomorphology.com/off
very columbia
kmzs images lve lidar many
geomorphology Hhmi New projects
mailing Online
showing Carl england
useful lectures love good Gis ground
google University Iris wieman find british
waves waves shaded remote
Visible find science strata
text amazing
sensing education used great
Sepm initiative other free
research motion including video websites
online variety
opentopography.org topography
website move small
professor teaching portal
http://www.cwsei.ubc.ca/youtube
usarray resources class
data geology peoples carl
http://www.iris.edu/dms/products/usarraygmv
http://www.lisrc.uconn.edu/lisrc/geology.asp?p2=history&p3=glhct
stratigraphy
Tomorrows
list http://cgi.stanford.edu/~deptctl/cgi-bin/tomprof/postings.php
http://www.cwsei.ubc.ca http://www.eos.ubc.ca/research/cwsei

▼ Course resources (11)

- Climate communication: <http://guide.cred.columbia.edu>
- Google image search (great for finding examples so show in class)
- On the cutting edge resources!
- Online syllabi and course materials
- Science sites of the week by mark francek (central michigan univ)
- Textbook authors who post power points (winter for igmet pet)
- Ucmp understanding science website:
<http://undsci.berkeley.edu/>
-- Edward_Davis
- Unavco educational resources
(<http://www.unavco.org/education/resources/educational-resources/educational-resources.html>)
- Visible geology is a cool intuitive way to show students 3-d relationships: app.visiblegeology.com/
- William white (cornell) geochemistry lecture notes
<http://archive.today/tzcm>
- Youtube



▼ Geosciences (9)

- Colleagues
- Connect it to pop culture. teaching about volcanoes? start with "pompeii" by bastille.
- Gsa dnag field guides for planning field trips
- [Http://serc.carleton.edu/index.html](http://serc.carleton.edu/index.html)
+1
- Iri scientific data library plotting tool tutorial - great for getting (advanced) students into the trenches plotting and manipulating gridded data (e.g., climate data): <http://iridl.ldeo.columbia.edu/dochelp/tutorial/>
- My favorite stereonet web app showing 2d and 3d:
<http://app.visiblegeology.com/stereonetapp.html>
- Serc website
- Visible geology (<http://visiblegeology.com/>)
+1
- Website for online remote sensing course
<http://www2.geog.ucl.ac.uk/~mdisney/teaching/geogg141/geogg141.html>



▼ Active learning (3)

- Have students fill out an index card on a topic: what do you know (or think you know), what do you want to learn.
- Minute evaluations at end of each class. give an overall rating for the class, clearest, fuzziest, more info needed.
- Noaa's earth system research lab has an online tool for simple climate analysis and mapping. it's a good resource for example maps and for students without coding skills to do basic analysis of large data sets.

▼ Mineralogy (3)

- For visualizing mineral structure - free program:
<http://jp-minerals.org/vesta/en/>
-- Susanne McDowell
- Mindat- online mineral database
- Virtual mineral museum- provides java app with 3d mineral structures that can be manipulated.

▼ Writing resources (3)

- A great way to share literature and documents with students: zotero (like end note but for free):
<https://www.zotero.org>
- <Http://serc.carleton.edu/nagtworkshops/intro/index.html>
- U oregon sci lit bibliography:
<http://scilit.uoregon.edu/journal-club/bibliography/>
-- Edward_Davis

▼ Formative assessment (2)

- Ask the students to submit a potential "exam question" for each class module. this shows what they understand what's important
- ⁺¹ Small online quiz at the end of each module to check retention

▼ Library (2)

- Library
- Navigating graduate school and beyond: a career guide for graduate students and a must read for every advisor, by sundar a. christopher

▼ Sed/strat (2)

- Serc!
- Uc-berkeley paleontology website

▼ Subduction zone systems (2)

- Earthquake hazards program website from the usgs - acquiring data and earthquake faq
earthquake.usgs.gov
- Lectures posted to geo prisms website

▼ NONE (4)

- Chronicle for higher ed
<http://chronicle.com/section/home/5>
- I don't know any
- Incorporating active learning exercises into a class can be an incremental process.
- [Www.sepm.org](http://www.sepm.org)