open access tools for geoscience education

rowan cockett
geoscience
teaching geology
motivation

(John Lewis)

(Reynolds, 2001)
visualizations

(Libarkin & Brick, 2002)
my story
what I built (first)
a solution
moving to the web
visible geology
order the events!
discovery-based
How did this mountain ridge form? pic inside

http://imgur.com/drZDIXj

This is a picture of a mountain ridge near San Alberto, Mexico as seen from the ISS. How does a formation like this happen? What causes the range to split? or to appear to split?
what I have learned

• easy
• open
• engaging
putting it together
online learning is different
my story
• a sandbox
  • cultivating intuitions
  • process & discovery based learning
• there is value in toys
• *simple tools for engagement are key*