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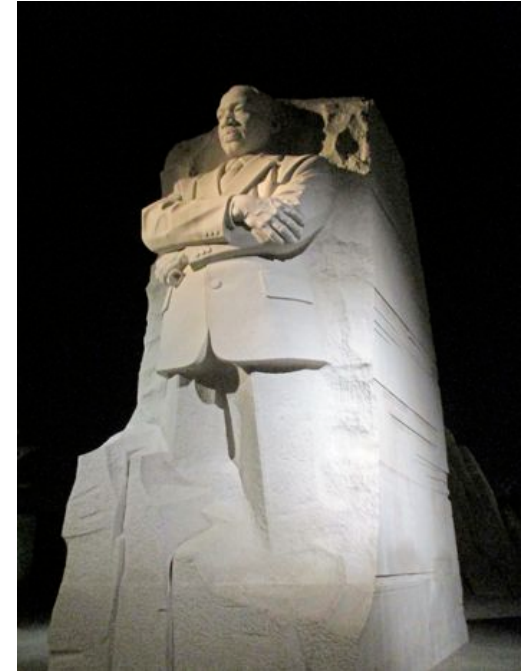
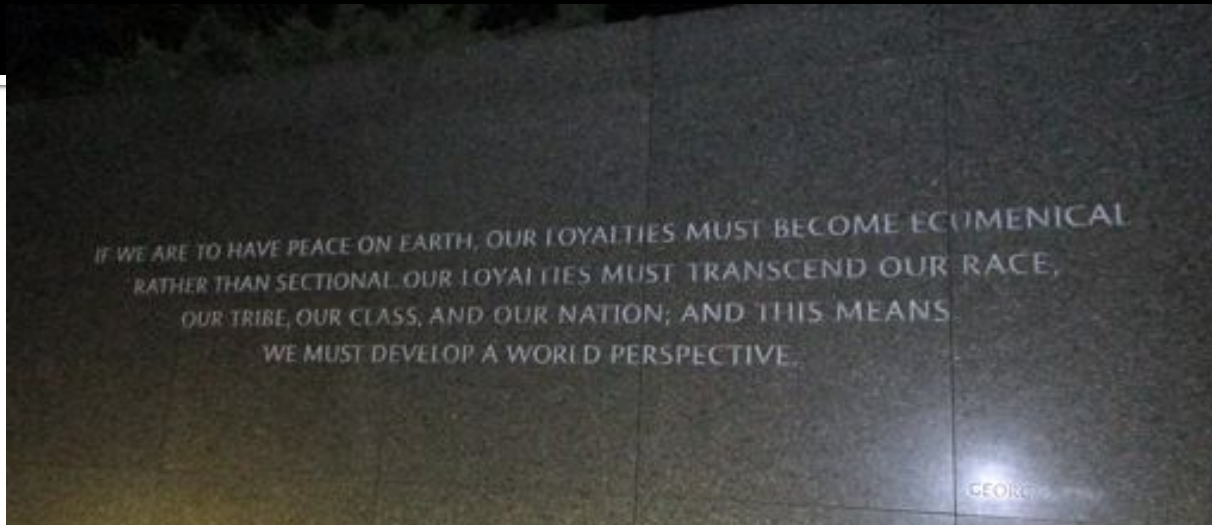
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Global Education Through Digital Technology



What is Global Education?



- **Goes beyond “Multiculturalism”**
- **Global citizenship:**
 - A way of living that recognizes our world as a complex web of connections and interdependencies.
 - Someone who identifies with being a part of an emerging world community and whose actions contribute to building this community’s values and practices.

Global Awareness

- Understanding of world issues (social, environmental, political, economic) from multiple cultural perspectives.
- Opposite of isolationism, parochialism, and nationalism.
- Especially important in an increasingly globalized economy.



Global Competency

- Globally competent people:
 - Investigate the world.
 - Recognize multiple perspectives.
 - Communicate ideas.
 - Take action locally to solve global problems.



Teachers for Global Classrooms

- Program of the U.S. Department of State's Bureau of Education and Cultural Affairs.
- Deadline: March 20 – get cracking!
- Any subject area or grade level.
- Chosen as education ambassadors to visit a developing country for 2-3 weeks.
- Exchange program: Teachers from the country host U.S. teachers in their home villages and classrooms.



TGC Requirements

- Chosen to travel to one of six countries.
- Take ten week intensive online course.
- TGC Symposium in Washington, D.C. in February.
- Develop a global lesson plan in your content area.
- Capstone project website/ blog.
- Research question.
- Travel and follow-up, further grants.



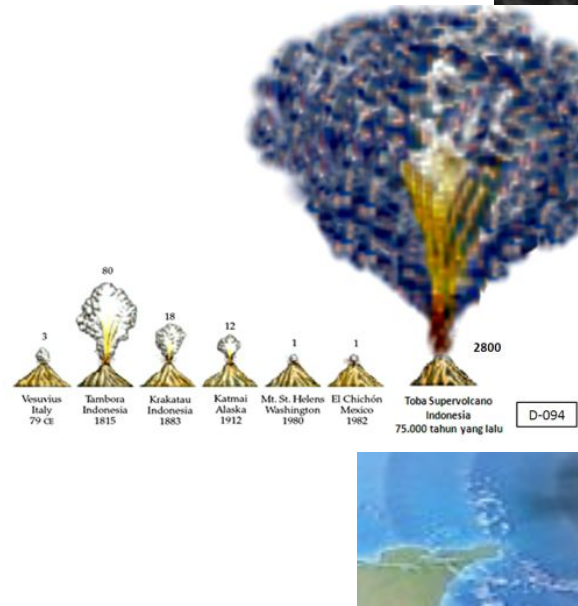
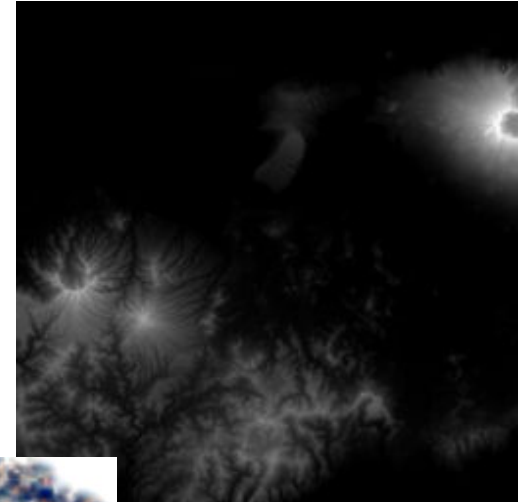
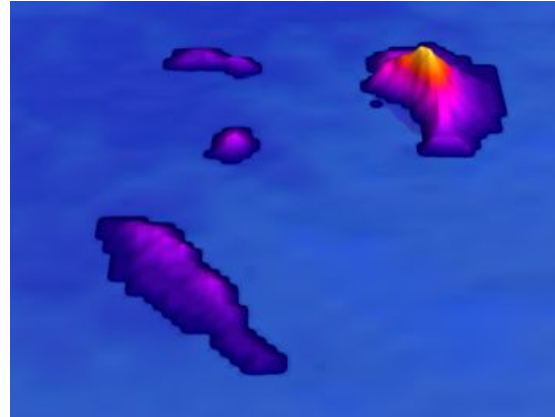
Research Questions

- In what ways do humans from a variety of cultures share a common humanity?
- Love, humor, play, loyalty, friendship, kindness, sharing, charity, dance, music, art, etc.
- Science questions: Our common stars – Latitudes and Attitudes.



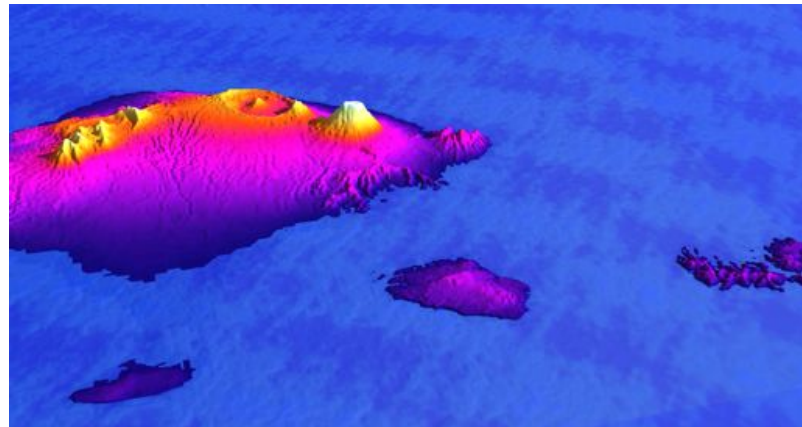
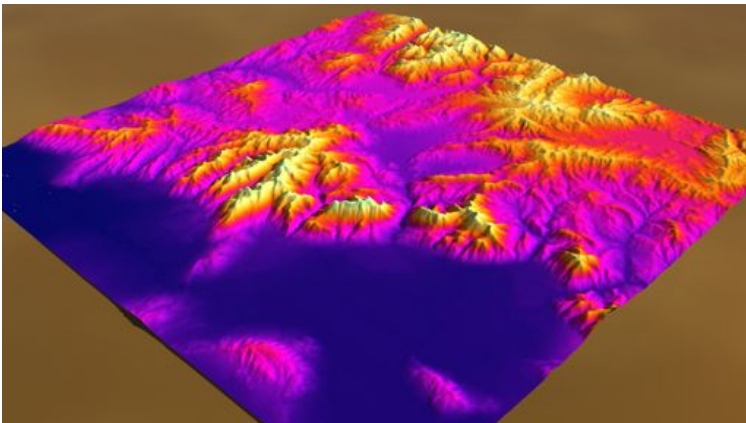
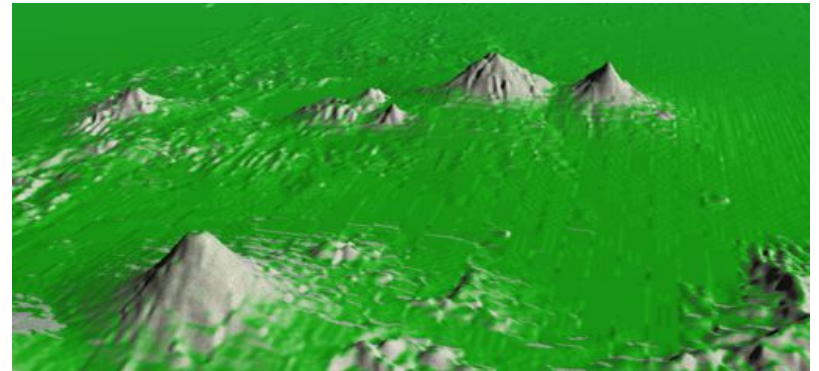
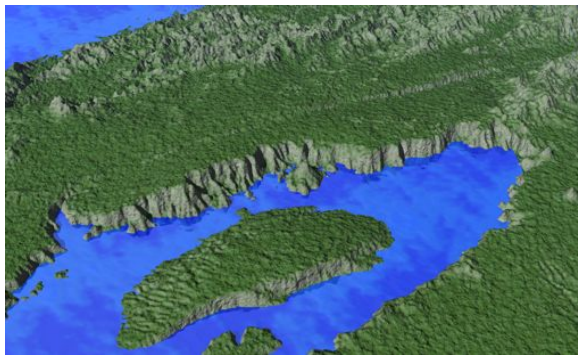
Volcano Variety: Anak Krakatau & Gunung Tambora

- Krakatoa exploded in 1883, killing at least 72,000 people.
- Anak Krakatau, the “Child of Krakatoa” is rising from the sea floor.
- Gunung Tambora exploded in 1815, creating the Year Without a Summer.
- Gunung Toba exploded 74,000 years ago and created a six-year winter.



Global Technologies: Investigating the World

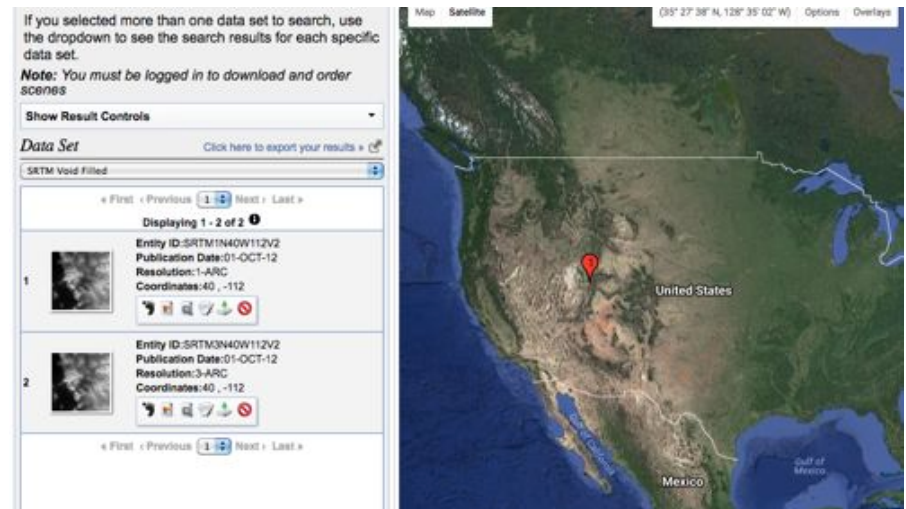
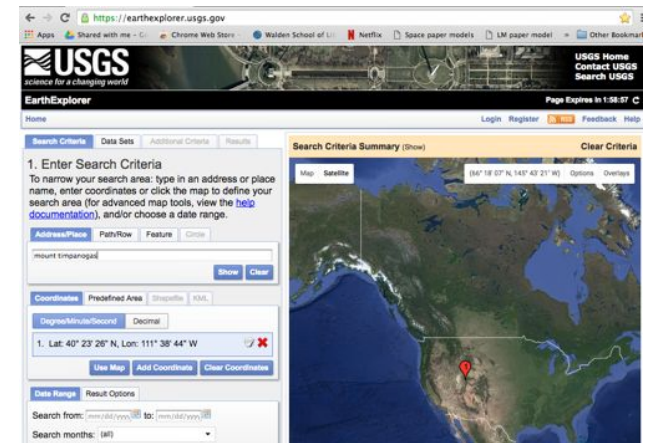
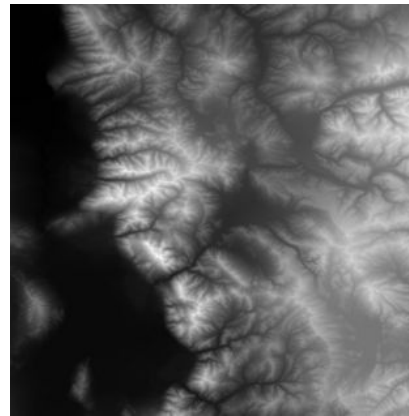
- Volcanic landforms through digital elevation models (DEMs).
- Can do any area of the world from 60° North to 60° south.



Earth Explorer

<https://earthexplorer.usgs.gov/>

- Several data types available, including Shuttle Radar Topography Mission (SRTM) data.
- Easy to search for by name or coordinates.
- Download grayscale file.
- Use in 3D modeling software as a terrain height map.



Global Technology: Recognizing Perspectives

- Creating infographics using Piktochart or other online tool.
- Using ThingLink to create interactive hot spots.
- <https://www.thinglink.com/scene/853070881360969730#>
- Observatory Site Selection Unit: Building a new observatory on Mauna Kea.

Understanding The Thirty Meter Telescope Controversy

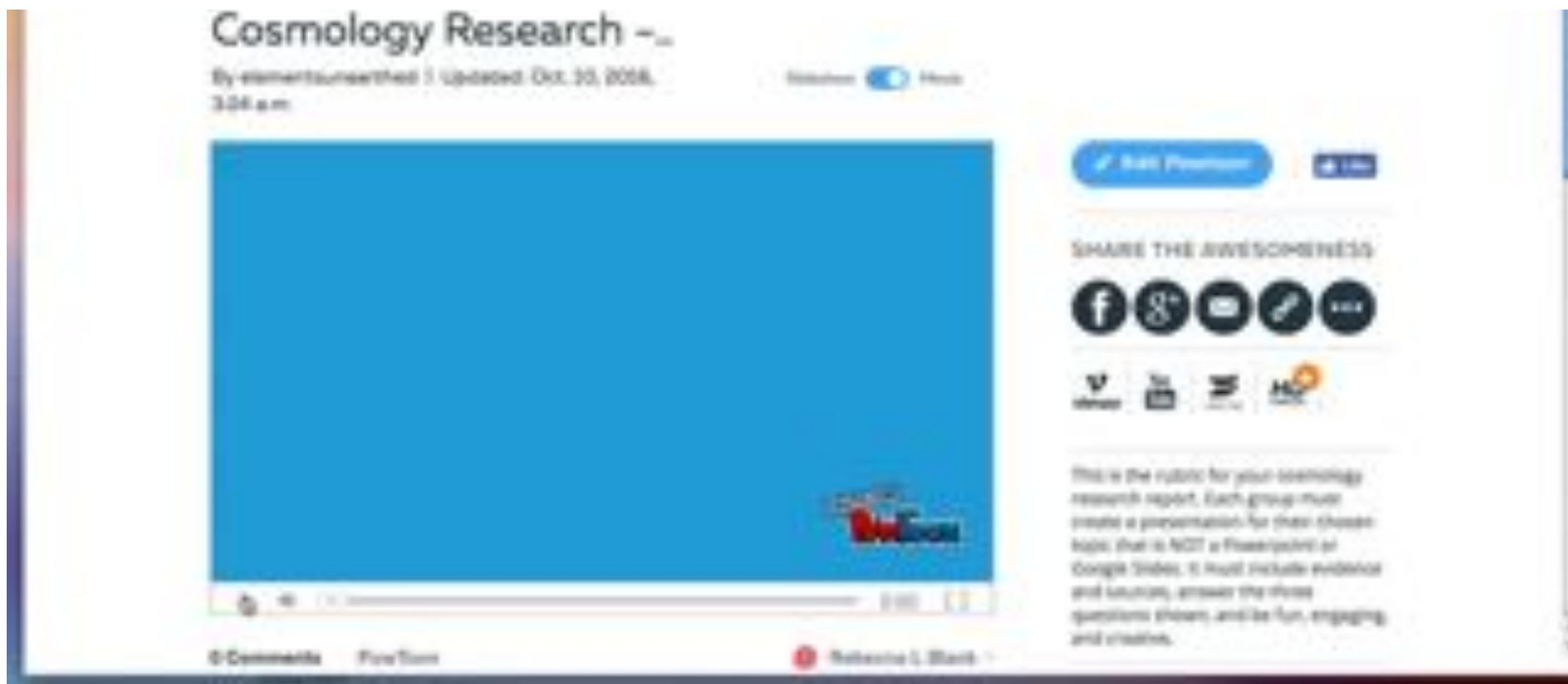


- <http://www.world-newspapers.com/>



Global Technology: Communicate Ideas

- 101 Web 2.0 tools:
<http://oedb.org/ilibrarian/101-web-20-teaching-tools/>
- PowToons: <https://www.powtoon.com>



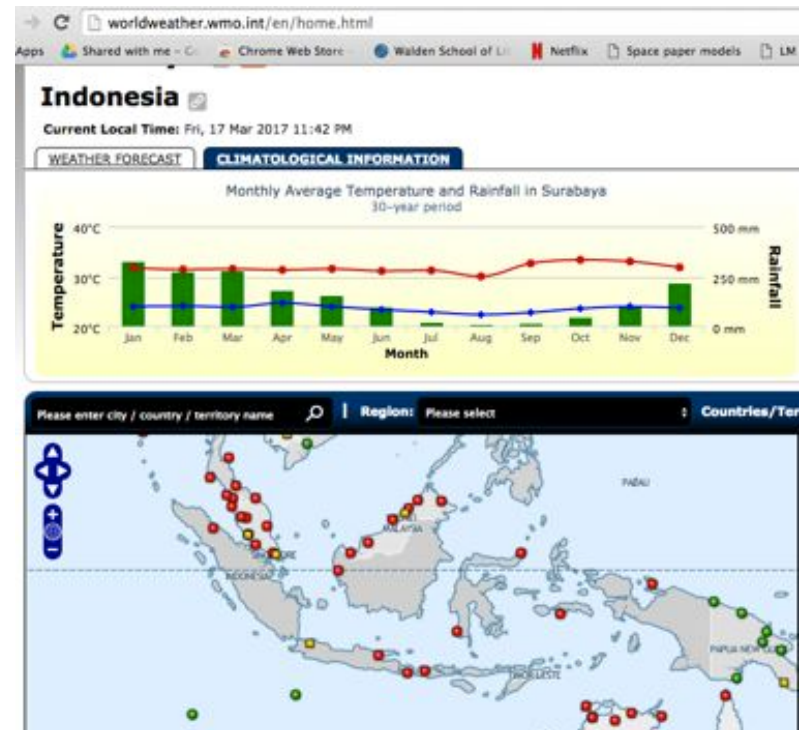
Student Videos

- If possible, it would be good to communicate directly with other classrooms around the world using Skype, Adobe Connect, Zoom, etc.
- However, they may be on the other side of the world or not even in session.
- So creating asynchronous videos may be best – post to blogs or YouTube, etc.
- Personal student greetings and daily lives, with captions.



Global Technology: Take Action

- Collaboration between classrooms to look at local solutions to global problems.
 - Example: Potable water issues.
 - Students as problem-solvers.
 - 21st Century Skills.
- Data gathering and analysis:
 - Example: Simultaneous weather/climate data.
 - <http://worldweather.wmo.int/en/home.html>
- Sharing cultural perspectives – building bridges of mutual respect and understanding.



Other Global Opportunities

- National Geographic Grosvenor Fellowship: Two weeks aboard a research vessel.

<http://www.nationalgeographic.org/education/programs/grosvenor-teacher-fellows>

- *Joides Resolution* Onboard Education Officer:

<http://joidesresolution.org/node/453>

- Goethe Institut Transatlantic Outreach Program:

<https://www.goethe.de/ins/us/en/spr/eng/top.html>

- Fullbright Scholarships to teach overseas.

