

Google Maps and Google Earth

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This slideshow for this presentation and additional materials are available in the Google Almanac at:
<http://sites.google.com/site/gctalmanac/>

Quick Intro

- Two major applications in 30 minutes?? I don't think so!
- Not a "how to" as much as a few concept ideas for "why/how in education"

Basic Distinction Between Maps and Earth

The two are becoming closer, but still some important distinctions.

- **Maps:** in browser, custom "my Maps," Collaboration, shared via web links, can be embedded in website
- **Earth:** downloadable application, highly realistic virtual experience via tilt, rotate, zoom, 3D terrain and buildings, can create virtual flights through content, Layers, and SKY!

Google for Educators: Geo Education Home <http://www.google.com/educators/geo.html>

- Geo Education Home > Suite of four applications
 - Sky is embedded within Earth
 - Sketchup sort of a cousin
- Getting Started
 - "Maps Starter Kit and 10 Easy Things" and "Earth Starter Kit and 5 Easy Things"
 - Additional Resources: User Guides, Video Tutorials
 - Helpful Tips from Teachers
- Classroom Ideas
 - Break down by curricular area
 - Lesson Plans "By and For Teachers"
 - Great Supplemental sites

A Closer Look at Google Maps

- Maps
 - (Live) Search for Mountain View, CA
- My Maps > Sample school map on school website
 - Link to/embed map
- My Maps > Browse Directory Add Ins
 - Note my add ins
- Quick Teases... What could you do with these tools in your classroom?
 - School API scores (<http://schoolperformancemaps.com/>)
 - Gmaps Pedometer (<http://www.gmap-pedometer.com>)
 - Google Planimeter (<http://www.acme.com/planimeter>)
 - Find a Pen Pal (<http://www.theteacherscorner.net/penpals/index.php>)
- Video Tutorial resources ([Transit](#), [Street View](#), [Explore a Place](#), etc.)

A Closer Look at Google Earth

Layers = Goldmine!

- 3D Buildings and Terrain
- Borders, Weather, NASA
 - Data appears as view Zooms in
- Gallery
 - Discovery
 - National Geographic
 - Volcanoes
 - Rumsey Historical Maps

- Global Awareness
 - Greenpeace
 - Jane Goodall's Gombe Chimpanzees
 - WWF Conservation Projects
- Places of Interest
 - Geographic Features
 - Mountains
 - Earthquakes
 - Transportation

Educational Resources

- A Goldmine of Google Maps embedded in websites! (some not appropriate such as Google Maps for "Hotties!")
<http://www.programmableweb.com/api/google-maps/mashups>
- Google Earth Outreach (<http://earth.google.com/outreach/index.html>)
- Google for Educators Discussion Group (<http://groups.google.com/group/google-for-educators?lnk=gschg>)
 - Search for EARTH
 - Big Search Tip for General Google Search: Search for "any topic" + .kmz .kml

Curricular Examples "beyond" Geography

- Real World Math (<http://www.realworldmath.org>)
- International Cook Book (<http://web.mac.com/ghsinfo/CAFS/Welcome.html>)
- GoogleLitTrips (<http://www.GoogleLitTrips.com>)