Educator's Guide to Google Lit Trips

Overview:

Students will work together to create a political map on Google Earth using placemarks, which contain both a visual and text information showing the number of electoral votes, the party affiliation, and the requirement of photo ID's.

Grades and Subject Areas:

Grades 7-8th, Language Arts, Geography

Objectives:

- Students will use the Internet to research specific questions.
- Students will add a placemark in Google Earth.
- Students will add media and hyperlink in Google Earth.
- Students can save a placemark in Google Earth.
- Students can upload their completed file to PowerCourse.

I Can Statements:

- I can identify valid sources on the Internet to answer research questions.
- I can open Google Earth, zoom in and out of the globe and use all of the navigation tools.
- I can create a folder and add the placemark to the folder. I can add media, hyperlinks, and text to placemarks.
- I can turn on and off layers and use the search box to locate cities with search tool.
- I can share my KML file through PowerCourse.

Curriculum Connections:

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Educator's Guide
Technology Simplified

Alaska Content Standards:

• Key Ideas and Details Lt 7.3. Analyze how particular elements of a story or drama interact (e.g., how setting shapes the characters or plot).	• Key Ideas and Details Lt 8.3. Analyze how particular lines of dialogue or incidents in a story or drama propel the action, reveal aspects of a character, or provoke a decision.

ISTE Student Standards:

- 3. Research and Information Fluency
  - c. Evaluate and select information sources and digital tools based on the appropriateness to specific tasks
  - d. Process data and report results
- 1. Creativity and Innovation
  - c. Use models and simulations to explore complex systems and issues

Assessment:

Target	Advanced	Proficient	Developing	Emerging
Use Google Earth ISTE 3.d and 1.C	I can use all of the tools with Google Earth, and help others locate tools. I can add a variety of multi-media into a placemark, and save several placemarks into a folder. I can use the layers and search box to	I can open Google Earth, zoom in and out of the globe and use all of the navigation tools. I can create a folder and add the placemark to the folder. I can add media, hyperlinks, and text to placemarks. I can turn on and off layers and use the search box to locate cities with search tool.	I can open Google Earth but I need help to use the tools. I can create a placemark, but not add multi-media or modify it. I can turn off some layers, but I forget a few layers. I can use the search box but	I need help locating Google Earth, and help with what tools do. I need help understanding what a placemark is and how to use it. I cannot find my layers. I need help with the search box.

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	create unique placemarks.			my results come up wrong.
Analyze Google Earth ISTE 1.C	I can save and share my KML file.	I can save my KML file.	I can save my KML file with help.	I am not sure what a KML file is.

ISTE Teacher Standards:

- 4. Promote and model digital citizenship and literacy
  - a. Advocate, model, and teach safe, legal, and ethical use of digital information and technology, including respect for copyright, intellectual property, and the appropriate documentation of sources
- 2. Design and develop digital age learning experiences and assessments
  - a. Design or adapt relevant learning experiences that incorporate digital tools and resources to promote student learning and creativity

Technology Integration:

Hardware and Software Needs

- Laptops or Desktops with Google Earth and Internet Connection

Tips and tricks

- Practice the skills prior to the lesson. This will also produce a completed sample that the students can see.

Resources:

Handouts or Downloads

- How to add a Placemark to Google Earth
- Tour of Google Earth

Links to teaching resources

- http://www.livebinders.com/play/play?id=587771

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Web resources

- http://www.nonprofitvote.org/voting-in-your-state.html
- http://www.270towin.com/americas-electoral-map/
- http://www.googlelittrips.com/GoogleLit/Getting_Started.html
- http://www.time.com/time/interactive/0,31813,1549966,00.html
- http://www.census.gov/hhes/www/socdemo/voting/publications/historical/index.html

Lesson Directions

Prep Time:

- 60 minutes

Prior to Lesson:

Teacher Prep:
- Complete a sample activity.
- Print copies of how to papers for students.

Student Prep:
- Research completed on handout.

Time Needed for Lesson:

- 3 60 minute periods

Directions:

- Step 1: Using the research activity sheet (see student handouts), use Livebinder or use Google Search to locate answers to the questions.
- Step 2: Open Google Earth and locate the search, places, and layer boxes. Also locate the zooming, moving and tilting tool. Finally identify the placemark button.
- Step 2: Use the search box to locate the state and capital that you have chosen.
- Step 3: Click on the Placemark button, and add a pin with the proper color (blue or red)

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over your state capital.
- Step 4: Change the placemark scale to reflect the number of electoral votes for your state.
- Step 5: Add the information from your research question to the description box.
- Step 7: Add the link to your resources and add the image that you located to the description box.
- Step 8: Add another flag placemark if the state requires voter id.
- Step 9: Create a new folder and move your placemark(s) into the folder.
- Step 10: Save the folder.
- Step 11: Go to PowerCourse and click on Upload your KML file Here. Browse and locate your file, and upload to PowerCourse.

Extension / Challenge:

- Have students make the map before and after elections, using previous data to predict the election.

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Student Handouts:

Name:
Dates:

Google Earth for Students: Research

Directions: Using Google Search, answer the following questions:

1. What is your state and capital?

2. Based on the recent Census, how many electoral votes does your state receive?

    a. where did you find this information?

    b. How do you know this site is valid?

3. In the last election, 2008, which candidate did the states electoral votes go to? Why do you think that is?

    a. where did you find this information?

    b. How do you know this site is valid?

4. Where can you find a picture of the state seal to use on your map? A donkey or an elephant?

      a. How to do you know if you can use this picture? (Hint: What is the copyright for the image?)