

Example Lesson #1

Objectives for Lesson #1:

After attending class, actively participating in the computer lab, and completing the assigned task concerning geography skills, the students will be able to:

1. Use a computer and other technology resources (Google Earth, and Microsoft PowerPoint) to access, create, organize and present information.
2. Work cooperatively as a large class and in small groups to discuss and express their thoughts and present their finished “This Is Where I Live!” projects.
3. Convey their knowledge of specific geography terms and skills, i.e. mapping, regions, longitude and latitude, measuring distance, etc., through the completion of a Google Earth PowerPoint assignment.

Michigan Grade Level Content Expectations (GLCEs) and Michigan Education Technology Standards (METs) addressed in Lesson #1:

GLCEs:

4-G1.0.1: “Identify questions geographers ask in examining the United States (e.g., Where it is? What is it like there? How is it connected to other places?)”

4-G1.0.3: “Identify and describe the characteristics and purposes (e.g., measure distance, determine relative location, classify a region) of a variety of geographic tools and technologies (e.g., globe, map, satellite image)”.

(Accessed from: http://www.michigan.gov/mde/0,1607,7-140-28753_33232---,00.html)

METs:

1. Students will know how to insert various objects (e.g., photos, graphics, sound, and video) into word processing documents, presentations, or web documents.
2. Students will use a variety of technology tools and applications to promote creativity.
3. Students will understand that existing (and future) technologies are the result of human creativity.
4. Students will collaborate with classmates using a variety of technology tools to plan, organize, and create a group project.

(Accessed from: http://www.michigan.gov/mde/0,1607,7-140-28753_33232_37328---,00.html)

Day One (35 minutes):

Introduction to Google Earth

Activity #1: *Google Earth Interactive Tour*. (Time: About 15 minutes)

- Introduce class to Google Earth: What is it? What is it used for?
 - “Google Earth lets you fly anywhere on Earth to view satellite imagery, maps, terrain, 3D buildings, from galaxies in outer space to the canyons of the ocean. You can explore rich geographical content, save your toured places, and share with others” (www.earth.google.com)
- Discuss how to use the search tools to locate a specific location
 - Using the zoom tool and panning "hand" to move around the map.
 - Using the 3D building feature
 - Using the road name feature
- Have the students follow along to an interactive tour through Google Earth.
- Allow the class time to “play” around with the Google Earth software.
- Walk around the room to ensure students are staying on task.

Introduction to Microsoft PowerPoint

Activity #2: *Microsoft PowerPoint Interactive Tour.* (Time: About 12-15 minutes)

- Introduce Microsoft PowerPoint Presentation software to the class.
 - What is it? Why do we use?
 - “Microsoft Office PowerPoint 2007 enables users to quickly create high-impact, dynamic presentations, while integrating workflow and ways to easily share information. Office PowerPoint 2006 puts the control in your hands to create great-looking presentations.”
- Similar to the Google Earth Tour, walk the class through an interactive tour of Microsoft PowerPoint.
- Allow the class time to “play” around with the Microsoft Office PowerPoint software.
- Walk around the room to ensure students are staying on task.

Introduction to Assignment

Activity #3: *This Is Where I Live!* (Time: About 10 minutes)

- Explain to the class what my objectives are for the lesson.
 - Convey their knowledge of specific geography terms and skills, i.e., mapping, regions, longitude and latitude, measuring distance, etc., through the completion of a Google Earth PowerPoint assignment.
- Explain the procedures to the class
 - The students will use Google earth to take images (print screen and paste) of the places that we live: Earth, The US, Michigan, the Lower Peninsula, Holt (their home town), and the students’ street, and house. They will copy and paste these images into a PowerPoint project, one picture on a page. Each page will have a heading/title and a corresponding note describing the picture on the page. When all of the images are copied over, the students will print the PowerPoint project in a handout view so that all

8/10 pages (including the title page and conclusion page with name and ending credits) will be printed on a two sheets of paper. The students will then be separated and into groups of 4 and each student will be responsible for presenting their work to their group members.

- Explain how the final product will be graded
 - Participation, correct use of images
 - Ability to use Google Earth, etc.
- Allow the class about 5 minutes to begin their project.
- Circle the room to make sure the students are on task.

Conclusion to Day One:

- Tell the class time is up...make sure everyone saves what they have accomplished so far, and explain that we will continue this lesson the next day.

Day Two (35 minutes):

Review Assignment Procedures

Activity #1: *This Is Where I Live!* (Time: About 25 minutes)

- Re-introduce the objectives for the day and the assignment description.
- The students will be allowed to work on their own, or in pairs, to complete the assignment.
- Walk around the room, answer questions, and help students that need assistance.
- Give the class close to a half hour to complete this part of the assignment. That way the students can put together a PowerPoint presentation that is creative and colorful as well as informational.
- When class is winding down, allow enough time for each student to print their handouts to bring back to the class room.
- Have the students save their work and print it to the main printer.
- Quietly walk back to class.

Begin Group Work

Activity #2: *Group work, and presenting PowerPoint Presentations to group members.* (Time: About 10 minutes)

- Separate the students in to groups of 4 and allow them time to present their PowerPoint presentations to each group member.
- Walk around the room and listen to the students describe their presentations, make sure they are on task and being respectful.

Conclusion to Day Two:

- When class time is up, make sure everyone puts their work away and collect everyone's PowerPoint Presentations for grading.