

Slope Failure and Ecosystems

Content Area(s)/Course: AP Biology

Unit: Techniques of Integration

Lesson Topic: introduction on how to use Google earth

Length of Lesson: 2 Days

Materials for Students: laptop

Materials for Teacher: Google Earth and a means of projecting images

Standard(s) Addressed:

Standard HS-LS2-1 Interdependent relationships in ecosystems

Science and engineering practice: analyze and interpret data

Student Outcome(s):

I can: use Google Earth to locate specific ecosystems

I can: see the changes in the ecosystem over time using Google Earth

Context for Learning

- o The use of technology (Google Earth) will hopefully show how ecosystems have been altered over time by human encroachment and mismanagement. Students should be able to view satellite images of various ecosystems over a 10-15-year time period.

Instructional Delivery

Lesson notes: The process of using Google Earth to pinpoint specific locations is demonstrated

Activity: Using Google earth

Assessment/Evaluation (Formative/Summative)

There will be an informal formative assessment in the form of their worksheet. Gather how they are doing by walking around to each student and observing their work. There will be a formal formative assessment the day after this lesson in the form of a mini quiz (bell ringer) that will allow me to review and check for comprehension before moving on.

Accommodations: Walk around and help those students that need more help. Extra time for students that need it on the mini quiz.