

Google Earth Engine Timelapse Lesson Plan



CREATORS: Eminence Fifth Graders

LESSON TITLE: The World Over Time.

RECOMMENDED GRADES: 4-8

TIME NEEDED: 45-60 min

OBJECTIVES:

- Students will be able to identify different places around the planet which have changed significantly over the past 35 years.
- Students will be use the Geo-Inquiry process to see if they can come up with reasons for those changes.

The teacher will ask their students to find a place that has had deforestation, a city that has or has not changed at all, find how their community has changed over time etc. Whatever the teacher wants them to find, they will copy the link to a google doc or form and then they will write about it. That way the teacher can view the link and read how they saw it change.

DIRECTIONS:

- Have the students explore Google Earth to find different examples of how their planet has changed over the past 30+ years. Some things to look for:
 - Deforestation, cities expanding/collapsing, etc.
- Students will then come up with questions as to why they believe these changes are occurring.

RESOURCES:

<https://earthengine.google.com/timelapse/>