

Course/Grade Level Lesson: Conservation Science/High School

Lesson Title: North American Conservation History Timeline

NGSSS: HS-ESS3-1, HS-ESS3-3, HS-ESS3-4, HS-LS2-1, HS-LS2-2, HS-LS2-6, HS-LS2-7, HS-LS2-8, HS-LS4-6, HS-LS4-5

Lesson Objectives:

- Develop a timeline and relate information to historical events
- Explain and evaluate events in history and human activity that result in changes to the environment

Time: Three 45-minute class periods

Engage:

- Begin with a class discussion of Unit 1, Chapter 1 of Conservation Science and/or show [The Birth of Conservation by Shane Mahoney](#)
- Introduce the student activity [North America Timeline Activity](#)
Students can be set up into groups of 3-4
Materials Needed/group: Strip of paper at least 65 cm long and 20 cm high, ruler, colored pencils

Explore:

- Students construct a North American timeline following the activity instructions
- Teacher will encourage student observations of expanse of time and events occurring

Explain:

- Students research and explain event's effect on the environment throughout North American History
- Teacher will question students to guide students' critical thinking on effects of events on the environment

Elaborate:

- Students will answer analysis questions, analyzing the timeline
- Teachers will guide student critical thinking based on their timeline and data observations

Evaluate:

- Students will summarize The North American History timeline in terms of conservation
- Teachers can assess through student discussions, timeline construction and analysis questions

Differentiation strategies:

- Have data table partially filled out for students
- Have students complete extensions