

SABES: Earths Systems- 5th grade Concept Map

1: Introduction to environmental engineers and land artists

Science: Students will learn about environmental engineers by observing anchoring phenomenon.

Art: Students will learn about land artists by examining example of land art.

Integration question: How do artists and scientists see and identify environmental change?

**Through Line:
Adapt and Innovate**
Students will look at how both artists and scientists adapt and innovate to environmental changes.

3. Site Specific Land Art Changes

Science: Students will Act as environmental engineers to improve and present a prototype model for restoration of this section of the Amazon River that meets the criteria and constraints of this engineering design challenge.

Art: Students will develop creative ways to restore or adapt their land art to teach others about the impact.

Integration Question: How can we adapt and innovate to prevent damaging effects from environmental change?

2: Making Land Art

Science: Students will use items from the geosphere and biosphere to make land art. They will observe the effect of hydrosphere, atmosphere and humans

Art: Students will use collected items to create shapes, patterns as part of a land art sculpture.

Integration Question: How do the earth's sphere relate and impact each other?

Land Art Exemplars

1. Spiral Jetty by Robert Smithson

Bridgette Mills- Baltimore
Land Artist
Andy Goldsworthy

Ghost Rivers- Baltimore
Public Art Installation in
Remington