



American Art Integrated Lesson

Name: Yolanda Whitehead
School: Medgar Evers Fine & Performing Arts
Grade/Subject: Upper Grade Science

Lesson: Forces & Motion in the “Rock”
Integration: Simple Machines & Technology
Timeframe: Three Class Periods

Lesson Description:

In a classroom discussion, students will identify technology in the form of simple machines. In Peter Blume’s, *The Rock*. After contemplating the landscape, students will explain artist’s use or lack of technology in painting.

Goal: Increase students’ ability to identify technology and to be able to create a simple machine

Student Objectives:

- Analyze and explain artist’s purpose in having a deficit of modern technology
- Identify simple machines in painting
- Sketch a proposed layout of simple machines
- Design a simple machine from given materials

Vocabulary:

- ✚ Technology
- ✚ Levers
- ✚ Pulleys
- ✚ Fulcrum

Illinois Learning Standards:

Art Standards:

Assessment:

- ✓ Persuasive writing rubric
- ✓ Rubric on Sculpture

ARTWORK



Title: *The Rock*
Artist Name: *Peter Blume*
Medium: Oil on Canvass
Date: 1944-1948
Provanance: Art Institute of Chicago

Key information students will learn about the artwork:

1. Blume's color pattern was influenced by political currents & art of the Surrealist
2. Blume emigrated from Russia to Brooklyn, New York at 5 years old
3. Blume fled to the United States during the rise of fascism in the 1930s the he developed his individual artistic stvle.



Activity Description:

In pairs, students will design a piece of technology capable of doing work after first having sketched their ideas.

Activity Instructions:

1. Brainstorming with a partner – the students will sketch a proposed simple machine on sketch paper
2. Using the sketch as a springboard, the students will create a mobile, functioning piece of technology capable of doing work from given materials.
3. The group will present their sculptures / art to the class and explain the type of simple machine created and its purpose.

Materials:

- Pulleys
- Yarn / rope
- Paper
- Pencils
- Ruler
- Cardboard Wooden Sticks

Resources:

Print of Peter Blume's, The Rock



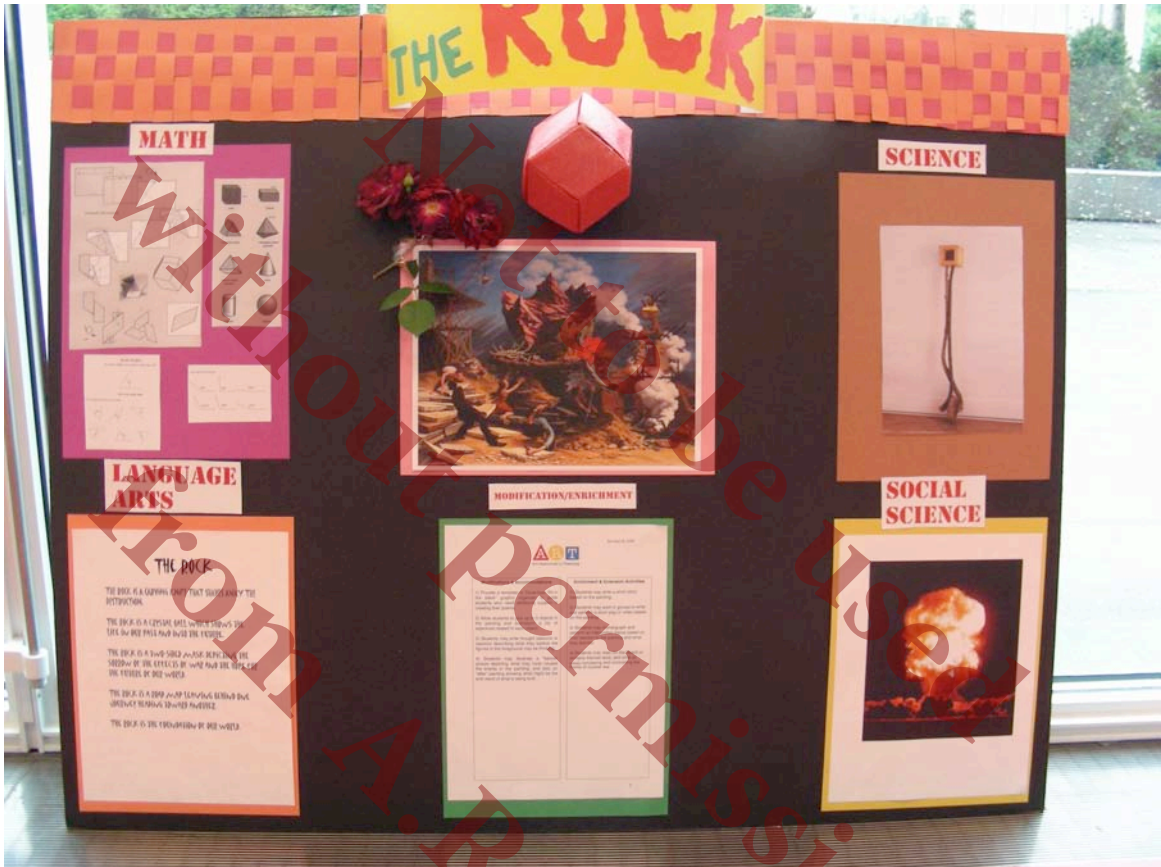
Modifications & Accommodations

- 1) Students who have challenges with fine motor skills may use pre-made components to construct their machines.
- 2) Provide a set of written instructions with illustrations to describe how to create a simple machine.
- 3) Students with significant motor skills challenges may create a PowerPoint presentation on the use of a simple machine of their choice.
- 4) Using Boardmaker, students with limited expressive literacy may create a report on simple machines.

Enrichment & Extension Activities

- 1) Students may use the Art Institute website to research additional paintings that depict the use of technology, and write a short analysis of how technology is used in that painting.
- 2) Students may research Frank Lloyd Wright's "Falling Water" design and create a 3-D replica using the materials of their choice.
- 3) Students may use recycled materials to make a machine of their choice.

Documentation:
(e.g. display board, photos, writing, artwork, etc.)



Any documentation with a student(s) face(s) requires an A.R.T. photo release form.