

Arts Integrated Lesson Seed



ART FORM:
Theatre



SUBJECT AREA:
Science

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| <p>Lesson Title: Environmental issues and human resource usage: a personal point of view demonstrated through puppetry</p> | <p>Grade: 6</p> |
| <p>Contributor, School: Steve Wehlan, Berlin Intermediate School</p> | <p>Time Frame: One class session</p> |

State Curriculum Content Standards, Indicators, Objectives

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| <p>Theatre Content Standard(s) 3.0 Creative Expression and Production: Students will demonstrate the ability to apply theatrical knowledge, principles, and practices to collaborative theatre presentations.</p> | <p>Science Content Standard(s) 6.0 Environmental Science: Students will use scientific skills and processes to explain the interactions of environmental factors (living and nonliving) and analyze their impact from a local to a global perspective.</p> |
| <p>Theatre Content Indicator(s) 3.2 Develop performance and production skills required for theatrical performances.</p> | <p>Science Content Indicator(s) 6.A.1 Recognize and compare how different parts of the world have varying amounts and types of natural resources and how the use of those resources impacts environmental quality.</p> |
| <p>Theatre Content Objective(s) 3.2.a Use appropriate expression and vocal skills to enact characters drawn from a variety of sources. 3.2.b Use collaborative theatre processes to create, perform, and revise scenes based on universal themes drawn from a variety of sources. 3.2.d Design props, costumes, and environments that communicate character and establish time period, place, and mood.</p> | <p>Science Content Objectives(s) 6.A.1.c Identify and describe how the natural change processes may be affected by human activities.</p> |

Objective(s) (Connecting the content areas)

The students use puppetry to demonstrate the positive or negative impact that changing human population has on the use of natural resources and the quality of an environment.

Description of Lesson/Activities

In cooperative groups, students will identify and describe ways that the changing population (growing or shrinking) changes the balance of natural resources in a particular environment. After brainstorming, they will collaborate to design puppets and props and perform short scenes that communicate these changes as well as show the net (positive or negative) effect the changes have on the identified environment.

Assessment Strategies

- A teacher-created checklist will assess the students' performance based on accurate props and scenery, use of puppet skills, appropriate vocal skills, and exposition of the effects of human activity on the environment.
- The students are assessed in a reflective discussion to answer: Can the audience tell from the movements and expressions whether the effect was positive or negative? Were the choices of movements appropriate to communicate the idea? What alternative ways might show the same ideas?
- The students answer a Brief Constructed Response (BCR): Describe how human population dynamics affect natural resources and environmental quality.
- The students examine Project Reporting System (PRS) graphs of population size and resource usage and match the correct trend answers.