

IMPACT Lesson Plan

Grade Level: 2nd

Title: Natural Resources: Recycling and Reusing

Created by: MUES 2nd Grade team (Webb, Gibson, Heglar) and Mary Sloop MC

Main Subject: Social Studies

Key Vocabulary: recycle, reuse, reduce, natural resources, conserve

Essential Question: How does recycling, reducing, and reusing conserve natural resources?

NC Standard Course of Study:

Science:

Goal 4: The learner will conduct investigations and use appropriate technology to build an understanding of the concepts of sound.

Social Studies:

6.01 -Identify natural resources and cite ways people conserve and replenish natural resources.

6.02 -Cite ways people modify the physical environment to meet their needs and explain the consequences.

6.03 -Identify means and methods of human movement as they relate to the physical environment.

Math:

Goal 1: Number and Operations - The learner will read, write, model, and compute with whole numbers through 999.

2.01 -Estimate and measure using appropriate units.

Length (meters, centimeters, feet, inches, yards).

Temperature (Fahrenheit).

Language Arts:

1.04 -Apply knowledge of all sources of information (meaning, language, graphophonics) to read a new text silently and independently.

2.01 -Read and comprehend both narrative and expository text appropriate for grade two by:

- determining purpose (reader's and author's).
- making predictions.
- asking questions.
- locating information for specific reasons/purposes.
- recognizing and applying text structure.
- comprehending and evaluating author's decisions and word choice.
- determining fact and opinion.
- recognizing and comprehending figurative language.

- making inferences and drawing conclusions.

2.02 -Use text for a variety of functions, including literary, informational, and practical.

2.03 -Read expository materials for answers to specific questions.

3.03 -Explain and describe new concepts and information in own words (e.g., plot, setting, major events, characters, author's message, connections, topic, key vocabulary, key concepts, text features).

3.04 -Increase oral and written vocabulary by listening, discussing, and composing texts when responding to literature that is read and heard. (e.g., read aloud by teacher, literature circles, interest groups, book clubs).

4.05 -Respond appropriately when participating in group discourse by adapting language and communication behaviors to the situation to accomplish a specific purpose.

4.07 -Compose first drafts using an appropriate writing process:

- planning and drafting.
- rereading for meaning.
- revising to clarify and refine writing with guided discussion.

4.08 -Write structured, informative presentations and narratives when given help with organization.

4.09 -Use media and technology to enhance the presentation of information to an audience for a specific purpose.

Other Language Arts Objectives Addressed:

Goal 5 -The learner will apply grammar and language conventions to communicate effectively.

Technology:

Other Technology Objectives Addressed:

Information Skills:

Other Information Skills Objectives Addressed:

Procedure:

Have students bring in: (Put items in bag with name on it.)

- at least 5 recyclable items (margarine tubs, pie plates, milk jugs, cereal boxes, Kleenex boxes, soda bottles, Pringles cans, coffee cans, paper towel and toilet paper tubes, etc) ***Keep in mind one or more of these items will be used to create a musical instrument.
- recycle paper, newspaper, plastic, cardboard, etc. from home (at least 4 items a week)
- Recycle cans (community wide) and donate money to local charity.
- old glasses and cell phones

PTA - take pop tops and matching funds

Have students brainstorm ways to involve the whole school in recycling project (making posters, announcements, going to classes to speak, challenge other classes, make decision where to send money, etc)

In class activities:

Science: Sound unit

- Ear and Sound Exploration Stations
- Review what was taught in music

Social Studies: Natural resources

- Cite ways people conserve and replenish natural resources (effect, possibly planting a tree,

Media Coordinator:

- Demonstrate to students how research is gathered
- Create “books” for each of the chosen natural resources
- Help students use “books” to do research

Chosen Natural Resources:

trees, petroleum, aluminum, water, gold

They will be placed in groups and the group must pick a natural resource from the ones listed above.

They must find the answers to the following questions in their research:

- What is it?
- Where does it come from?
- What is it used for?
- How is the environment changed because of the harvesting of this natural resource?

Technology:

Student will use Pages to create Bookmarks. The bookmarks will contain the information they gathered and a picture.

Cross Curricular Extension:

Enhancements:

Music

- Begin making instruments; discuss pitch, volume, rhythm

Art

- Work with recyclable goods (paper pulp, etc) (pencil holders, picture frames, book holders, vases, bookmarks, pinwheel with recycled paper)
- Start decorating musical instruments

PE

- Begin games with recyclable goods month of February (Turkey Shoot, Throw Out the Trash)

Assessments:

Rubric used to grade bookmarks

On-going classroom assessments using textbook and hands-on projects.