

# RECYCLING LESSON PLAN

## Phase 1: Planning

### OUTLINE

- Grade Levels: 4,5 & 6
- Preparation time: 30 mins.
- Materials required: computers, rubber bands, brown paper bag, scissors, crayons, tape.
- Students work in pairs or triads
- Class time needed: 2 periods
- Outside resources suggested: subject-matter expert, Internet, books, and video.

### CORE LEARNINGS IN SCIENCE AND TECHNOLOGY

Exercise critical judgment in assessing the impact of mathematics, science and technology on individuals, society and the environment.

### PURPOSE

- Identify the ways we can dispose of garbage and the many ways we can recycle.
- Understand how important it is to recycle.
- Write a report on one of the suggested objectives.

### OBJECTIVES (EACH PAIR CHOOSES ONE)

The main objectives of this project are to make students:

- Aware of how much garbage we produce.
- Identify landfills and their purposes.
- Explain how recycling saves energy and resources while reducing pollution.

### CRITERIA

Give your students a rubric, which will guide them in choosing appropriate goals for themselves.

In ePEARL (Please use this as a suggestion)

#### TITLE

Recycling: why it's important.

#### GENERAL GOALS

In Science this year, I want to learn more about helping the environment.

#### DESCRIPTION

I will write a report describing how much garbage we produce and why this is harmful to the environment.

#### TASK GOALS

- I want to organize my ideas clearly.
- I want to use good information from books, Internet and the speaker.
- I want to work on punctuation.
- I want to write in paragraphs.
- I want to work well with my partner.

#### STRATEGIES

- Visit my local recycling plant.
- Take notes while the speaker is talking.
- Look at what's recycled at home and school.

## Phase 2: Doing

### ACTIVITIES

- Invite guest speaker.
- Show videos.
- Read excerpt from book or website.
- Have class presentations.

### TASK 1

Write a report on one of the suggested objectives above.

### TASK 2

Have students construct a folder using recycled brown bags. Reuse grocery bags to make student folders. The cover can also be developed as a related art project.

### In ePEARL

### CONTENT

- Use text editor to write report.
- Attach a Word document.
- Attach Photo of folder.
- If this is an oral presentation, create a recording of the presentation for practice or archiving.
- Use PowerPoint to create a presentation.

## Phase 3: Reflecting

### CONCLUSION

At the conclusion of this project the students will be able to identify the ways we can dispose of garbage and the many ways they can recycle.

### BROAD AREAS OF LEARNING TARGETED

Environmental awareness & consumer rights; Citizenship & Community life.

### CROSS CURRICULAR COMPETENCIES TARGETED

To use Information: To use info and communication technology; to communicate appropriately.

### DOMAIN OR SUBJECT AREAS (SA) TARGETED

Science and Technology; Social Sciences.

### In ePEARL

### SHARING

Share your work with another group to receive feedback.

### REFLECTION (ASSESS PROGRESS TOWARDS THE GOAL)

- Talk about what I learned.
- Did I achieve my goal? How? Why? Why not?
- What was difficult in this project?
- What I would do differently next time?
- Which Strategies worked and which didn't?

