



# Rose Island Lighthouse Foundation Education Program – Lesson Plans

**Grade Level: 3-5**

## **Lesson Topic: Recycling Glass**

**Length: 50 min.**

**RI Standard of Learning: English** (Creation and Presentation of Text), **Social Science** (Civic Responsibility), **Mathematics** (Patterns, Relations and Algebra)

**Learning Objective:** Students will increase their awareness of the importance of recycling and the methods by which glass can be recycled. Students will be introduced to the Rose Island Sea Glass Stewardship Program.

**Materials:** Beach glass from Rose Island, pencils, paper

**Vocabulary:** recycle, cullet, glass, pulp, paper, raw materials, stewardship

### **Procedure:**

On Rose Island: The interpreter shows the students the broken colored glass on the beach. They will explain to the class that the glass on the beach comes in many different forms. Some have smooth edges and some still have sharp edges. The ocean is the recycler in this case and it will continue to work on the glass pieces until they are broken down to sand. Interpreters then explain our Sea Glass Stewardship Program: Students may take a piece of glass if it has smooth edges because it has been recycled and they may now reuse it. Any other pieces that may have sharp edges must be thrown back so they can continue to be recycled.

### In the Classroom:

- Introduction: Ask students to recall the beach glass from the island. Let the students know that glass can be recycled in many ways. Have the class name some types of glass objects they can think of. List these on the board. See if they can group the objects together by their likenesses. Do this by color, texture, size, etc.
- Development: After reviewing the information from the Newton's Apple website, explain to the students the methods of recycling. Explain why some glass cannot be recycled. If possible arrange a trip to the recycling factory nearest you. Have the students keep track for a week of the number of glass products they throw out and what color they are. At the end of the week have the students create a chart of the glass used.
- Closure: Instruct the students to write a paragraph describing what they have learned about recycling. If there was one thing they would do differently from now on in regards to recycling, what would it be?

**Evaluation:** Observe class participation, student glass tallies, and their essays about recycling. Make sure as many people participate in the discussion as possible.

### **References:**

<http://www.tpt.org/newtons/10/recycle.html>