

## Recycling Relay Lesson Plan

### State Standards:

- 3.SL.2.1 Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) on grade-appropriate topics and texts, building on others' ideas and expressing personal ideas clearly.
- 3.SL.3.2 Ask and answer questions about information from a speaker, offering appropriate elaboration and detail.
- 4.SL.2.1 Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) on grade-appropriate topics and texts, building on others' ideas and expressing personal ideas clearly.
- 4.SL.2.4 Pose and respond to specific questions to clarify or follow up on information, and make comments that contribute to the discussion and link to the remarks of others.
- 5.SL.2.1 Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) on grade-appropriate topics and texts, building on others' ideas and expressing personal ideas clearly.
- 5.SL.2.4 Pose and respond to specific questions by making comments that contribute to the discussion and elaborate on the remarks of others.

### Materials:

- Duct tape
- 2 large bins
- Newspapers
- Glass jars
- Notebook papers
- Water bottles
- Soup cans
- Soda cans
- Glass bottles
- Tupperware

### Directions:

Split the class into two teams. Choose Team A and Team B and create a score sheet. With the duct tape, mark a Starting Line and a (parallel) Bin Line, leaving room to run to/from the Starting and Bin Line(s). Each bin should be filled with various recyclable materials of each material. One person from each team will be asked a question in regards to recyclable materials. Collaborate quietly amongst your team to come up with an answer, run to the bin and grab the material, then run back to the Starting Line. The first person to make it back to their team with the correct item wins 1 point. The team with the most out of 13 wins!

### Recycling Relay Questions:

1. This material is manufactured from natural resources, such as oil, gas, and coal (fossil fuels).

Answer: plastic

2. Find an item that has the mobius loop, a symbol that indicates that a material is capable of being recycled.

Answer: plastic, glass, paper, aluminum, steel

3. This material is found the most within a landfill.

Answer: plastic

4. Which material can be recycled and turned into a t-shirt or sweater?

Answer: plastic

5. This material can be recycled and used to make airplane parts and bicycles.

Answer: aluminum

6. Recycling this material requires only 5% of the energy used to create this same material.

Answer: aluminum

7. This material derives from wood, and attributes to the felling of nearly 35% of the worlds trees.

Answer: paper

8. Find an item that can be recycled in a commingled recycling bin at your average household.

Answer: plastic, glass, paper, aluminum, steel

9. This item is 100% recyclable and can be recycled endlessly without loss in quality and purity.

Answer: glass

10. This material is made from raw materials such as sand, ash, and limestone.

Answer: glass

11. Cardboard and chipboard are two different types of this material.

Answer: paper

12.Over the last 10 years we have produced more of this material than during the whole last century.

Answer: plastic

13.This is the main material used in delivering renewable energy, such as solar and wind power.

Answer: steel