



# Science Experiment: Reduce, Reuse, Recycle

## Project: Recycling and Verbal Communications

### **Supplies:**

- *Empty plastic bottles*
- *Toilet Paper Tubes*
- *Paper Towel Tubes*
- *Disposable Pie Tins*
- *Old Newspapers & Magazines*
- *Empty Egg Cartons*
- *Glue, Scissors, Markers, Crayons*
- *This list is not extensive. These materials are suggestions for what you can use to accomplish the task.*

**Time: 30 minutes**

### **What to Do:**

1. Put all of the materials in front of the group and encourage the children to discuss the objects with each other. Encourage discussion on what the items were initially intended for and how they think they can use these materials for another use.
2. Give youth approximately 20-25 minutes to experiment with creating new uses and products for the recycled materials. (*Very little instruction is given by the instructor during this time. The goal is for participants to work together and be creative using their own skills and background knowledge.*)
3. Give each group time to share with everyone how they created their new products and how they can be used in the future.

### **Reflect:**

1. How did your group work together to create your new product?
2. Did you have difficulties getting your group to agree on a new product or use for your materials?
3. What do inventors need to do in order to create a product that will be used by consumers?
4. What did you learn about the process of inventing a new product?

### **Apply:**

The famous saying “One Person’s Trash is Another Person’s Treasure” can be very true. Think about times in your life when you have thrown something away. *How could you have used the product in a different way?* Hopefully this activity has encouraged you to think about ways in which you can reduce, reuse, and recycle by finding multiple uses for one product.