

**Project FOCUS
Best Lessons
SECOND GRADE**

Title of Lesson: Ice Cream

Theme:

Unit Number: **Unit Title:**

Performance Standard(s) Covered (enter codes):

S2P1

Students will investigate the properties of matter and changes that occur in objects.

- a. Identify the three common states of matter as solid, liquid, or gas.
- b. Investigate changes in objects by tearing, dissolving, melting, squeezing, etc.

Enduring Standards (objectives of activity):

Habits of Mind

- Asks questions
- Uses numbers to quantify
- Works in a group
- Uses tools to measure and view
- Looks at how parts of things are needed
- Describes and compares using physical attributes
- Observes using senses
- Draws and describes observations

Content (key terms and topics covered):

Learning Activity (Description in Steps)

Abstract (limit 100 characters):

- Details:**
1. Place the children in groups of about 5 and make them identify all the materials as solids or liquids.
 2. Place the cream and flavoring in the smaller Ziploc bag
 3. Place the rock salt and ice in the larger Ziploc bag.
 4. Place the smaller bag in the larger bag and seal.
 5. Make the children take turns rubbing the bags around until the cream becomes a solid (ice cream).
 6. Separate the ice cream equally between the children in cups.
 7. Make them identify that the liquid is now a solid.
 8. Eat and enjoy!

Materials Needed (Type and Quantity):

Rock salt, cream, ice, Ziploc bags (2 sizes), vanilla or any preferred flavoring, cups, and spoons

Notes and Tips (suggested changes, alternative methods, cautions):

The lesson is missing a gas and it would probably be good to get a burner and a beaker and place some of the ice in it. As you begin your ice cream experiment you can show the children how the ice transforms from a solid to a liquid and then to a gas. This way they see the experiment in reverse order and understand that a gas is also very important.

This lesson is on matter. The children can be easily distracted by the ice cream but you must be sure to make them pay attention to you. First ask the children to identify solids and liquids. As you combine the needed materials and the liquids come together to form a solid (ice cream), be sure they are paying attention

Sources/References:

- 1)
- 2)
- 3)