Project FOCUS
Best Lessons
KINDERGARTEN

Title of Lesson: **Root Beer Float Phase Changes**
Theme: **Physical Science**
Unit Number: **P1** **Unit Title:** **Physical Properties of Matter**
Performance Standard(s) Covered (enter codes):
SKP1

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):

Different Phases of Matter
Solid, Liquid, and Gases
Melting
Freezing

Learning Activity (Description in Steps)

Abstract (limit 100 characters): You will give each stundent their own cup and add ice cream (solid) root beer (liquid and gas)

Details: 1. Introduce the topics of solids liquids and gases

2. Give each student their own cup

3. Pull out the ice cream in the carton and allow them to feel the carton to feel that it is a solid.

4. Scoop each student one scoop of the ice cream on a spoon, but do not let them eat it.

5. Bring out the root beer in the bottle. Show the students how it flows and is a liquid.

6. Shake up the bottle of root beer, but not too much. Open the bottle and explain that the bubbles are gas.

7. Pour the root beer onto the ice cream and let the students see how all of the different phases interact and how the ice cream melts.

8. Let them eat!

Materials Needed (Type and Quantity):

-Cups

-Spoons
-Napkins
-Vanilla Ice Cream
-Root Beer in a clear bottle
-Ice Cream Scoop

<u>Notes and Tips (suggested changes, alternative methods, cautions):</u>
-Make sure you bring napkins! Spills and drips will occur!
-Make sure there are no food allergies associated with any of the products
-Watch out for brain freezes!

Sources/References:
1)
2)
3)