

**Project FOCUS
Best Lessons
KINDERGARTEN**

Title of Lesson: Air is All Around Us

Theme: Physical Science

Unit Number: 1 **Unit Title:** Physical Properties of Matter

Performance Standard(s) Covered (enter codes):

SKCS4

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):

Air

Learning Activity (Description in Steps)

Abstract (limit 100 characters): This lesson provides a visual demonstration to help students understand that air is all around us.

Details: Teacher demonstration: Teacher traps air inside plastic bag in front of group. Teacher asks, "Can we see the air in the bag?" "How do we know it is in the bag?" (Air is taking up space.) Allow kids to trap air from different spots in the room.

Read the book Air is All Around You. Show the class the plastic cup. Teacher asks, "Do you think air is in this cup?" "Does air take up space?" "Let's find out if the air in this cup is taking up space."

Science experiment: 1. Put water in tub.

2. Crush a piece of newspaper and push it to the bottom of the clear plastic cup.

3. Turn cup upside down and push it to the bottom of the tub.

4. Pull cup straight up and pull out the newspaper.

5. Observe whether the paper is wet or dry.

Conclusion: The paper stayed dry because air took up space and did not let water enter the cup.

Materials Needed (Type and Quantity):

Book: Air is All Around You by Franklyn M. Branley

Plastic storage bags

Dishpan-size tub of water

Clear plastic cup

Newspapers or any other suitable paper

Towels

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

Sources/References:

1)

2)

3)