

## Material Preparation

### MATERIALS

- classroom chair for the teacher
- clear, plastic produce bag

*For each child:*

- clear, plastic, quart size, resealable sandwich bag with a zipper lock
- Ask Me About Air sticker

### SET UP THE LESSON AREA

- Place the chair in an area where you can seat the children in a semicircle in front of you.
- Place the children's and the teacher's bags to the side.



group of children



For each child



## OBJECTIVE

Children will investigate two attributes of air: it cannot be seen and it is all around us.

## EXCITE

Gather the children in the ECHOS lesson area. Position the chair in front of the children. Sit on the chair. Reveal and hold up the plastic produce or grocery bag. **This bag is *empty*.** Place it on your lap and press it out flat. **Today I am going to fill my empty bag with something. Watch closely.** Walk to one of the children and dramatically capture air in the bag over their head. Hold the bag tightly closed to trap the air inside. Sit down with the inflated bag. **Now this bag is *full*.**



## INTRODUCE

1. **Does anybody know what I have caught in the bag?** Listen to the children's responses. **There is *air* in the bag.** Call the children one at a time to come up and gently feel the bag. **Air is *invisible*, we can't see it, but it is all around us. Anywhere I go in this room there will be air.**
2. **I can collect air *under* my chair. Watch.** Stand up and model the actions for collecting air in the bag under the chair. **Look! I caught some air under my chair.**
3. **I can also collect air *over* my chair. Watch.** Model actions for collecting air in the bag over the chair. **Look! I caught some air over my chair. There is air under the chair and there is air over the chair. Air is everywhere!**
4. Sit back down with the group. **Now I'm going to let the air out of the bag.** Gently press the plastic bag flat then put the plastic bag aside. **How did we know that there was air in the bag?** Spend some time exploring this question and encourage children to provide evidence for their statements. **We used our senses to investigate the air in the bag. We used our eyes to see and our fingers to feel that the bag was full of air.**



## EXPLORE

1. **Today we're going to look for air everywhere. As we sing a song, we will use a clear, plastic, zipper lock bag to help us catch air. First, let's practice singing a song called *Going on an Air Hunt*. Ready? Let's try it.** Lead the children in the following song to the tune of "*Row, Row, Your Boat*."

**Catch, catch, catch some air,  
Put it in the bag.  
We're going on an air hunt,  
Got to catch some air!**

2. Give each child a clear, plastic, resalable sandwich bag with a zipper lock. **You will catch air inside your bag, then zip it up tight. Watch me do it first.** Model how to catch air. Give the children a moment to explore the bags and practice filling their bags with air and closing them to keep the air inside.
3. Regroup the children. **Let's sing the song again. This time, you may get up to go find air anywhere in the classroom. Remember to use walking feet and come back with your bag of air.** Begin singing the song with the children and encourage them to keep singing as they choose their own area of the classroom to search for air. Follow children around if needed.
4. Gather the children together after they have all filled their bags with air. **Let me feel your bags of air.** Feel each child's bag of air. **You have done a great job catching air! We found air everywhere in our classroom.**



## INTERACT

Interact to accommodate children's individual needs and strengths. Use these suggested strategies as needed:

- Some children will need to practice manipulating the plastic bags. During the **EXPLORE**, evaluate the mastery of each student's use of the plastic bag and provide assistance as necessary.
- Use this lesson as an opportunity to introduce and practice prepositions such as *over* and *under* or *above* and *below*. If children are ready, you may introduce more prepositional phrases by asking the children to hunt for air *in front of*, *next to* or *behind* the chair.

## OUTCOMES

1. Regroup the children in the ECHOS lesson area. **What did we discover today?**  
Listen to the children's responses. If needed, use suggested prompts to elicit key concepts and vocabulary. Encourage responses from everyone.
  - **What did we learn about air today?**
  - **Can we see air?**
  - **Where did you look for air in the classroom?**
  - **How did you catch air using your bag?**
  - **How did the air feel inside your bag?**

2. Give each child an *Ask Me About Air* sticker.



Remind the children to tell their family something they have learned about air.

## VOCABULARY

- air
- empty/full
- invisible
- over/under



clear, plastic, quart size, resealable sandwich bag with a zipper lock