

## SCIENCE AND NATURE



### AIR IS ALL AROUND YOU

By Franklyn M. Branley

Illustrated by Holly Keller

*AIR IS ALL AROUND YOU is a book describing the properties of air and how to do some simple experiments. The experimenter is a little girl. Each step of the experiments is explained in the pictures and in words. How fish breathe air dissolved in water is illustrated, and why divers and astronauts need tanks of air is explained. Holly Keller's illustrations are bright, the stylized drawings of the children appealing, and the way they match the text makes children confident they can do the experiments.*

### Circle Time Presentation

Talk with the children about how they know where air is. They will mention the wind blowing, and some may mention blowing out air on a cold morning and seeing a little cloud. Read **AIR IS ALL AROUND YOU**. Then discuss again how they know air is all around them after having heard the book. Assure the children that they will have a chance to do the science experiments. Tell the children you will place the book in the science center and during free play you will be there to help anyone who wants to do the experiments.

### STORY STRETCHER

#### For Art: Fish Pictures

**What the children will learn—**  
To recognize where the fish's gills are and to incorporate this into their pictures

**Materials you will need—**  
Brightly colored construction paper, scissors, easel, fluorescent tempera paints, different sized brushes

#### What to do—

1. Cut the construction paper into giant fish shapes.
2. Cut a half-circle flap where the fish's gills should be.
3. Encourage the children to use many different colors to paint their fish like the ones in the class aquarium.

**Something to think about—**  
Children respond to new information and will incorporate their new learnings into their artwork. If possible, display many pictures of fish near the art area, and you will see more variety in the paintings.

### STORY STRETCHER

#### For Cooking And Snack Time Orange Air

**What the children will learn—**  
To recall the analogy of how the peel of the orange is like the air around the earth

**Materials you will need—**  
Whole oranges

#### What to do—

1. Read the analogy from the book, "Air is all around you, air is all around the earth. Air covers the earth like peel covers an orange."
2. Cut thin stripes down the orange peel from top to bottom without cutting through to the side of the orange. Cut stripes around the orange so the child can peel their oranges more easily.
3. Let the children peel their oranges.

#### Something to think about—

It is difficult to know when to provide assistance to children. Children and volunteers in the classroom can quickly take over for the child peeling the orange. However, encourage them to wait and provide assistance after the child has having a great deal of difficulty. Then, do not peel the entire orange, but get some of the sections started. Many children persist and need more time to finish their snacks. Do not help them; let them enjoy peeling orange and savor eating it.

### STORY STRETCHER

#### For Housekeeping And Dress-up Corner: Astronauts

**What the children will learn—**  
To pretend to be astronauts