



# HOME/SCHOOL CONNECTION

## Investigation 1: Exploring Air

Look around your home and see if you can find a toy that uses air to make it work. If you can't find one, see if you can invent one.

Draw a picture of the toy you found or the one you invented.

Explain how it works.

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## HOME/SCHOOL CONNECTION

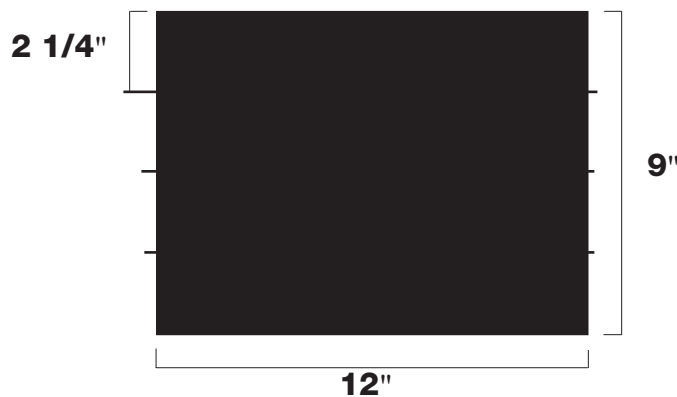
### Investigation 2: Observing Weather

Make a cloud window with your child, using these directions.

**Materials:** Construction paper, scissors, tape

#### Procedure

1. Cut a 9" × 12" sheet of dark construction paper (a shopping bag will do) into four equal strips (2 1/4" × 12").



2. Form a rectangle with the four strips, overlapping one edge 1/4" over another. Tape it together.



3. Tape the cloud window to a glass window in your house. It will provide a reference point to help your child detect movement of the clouds in the sky.

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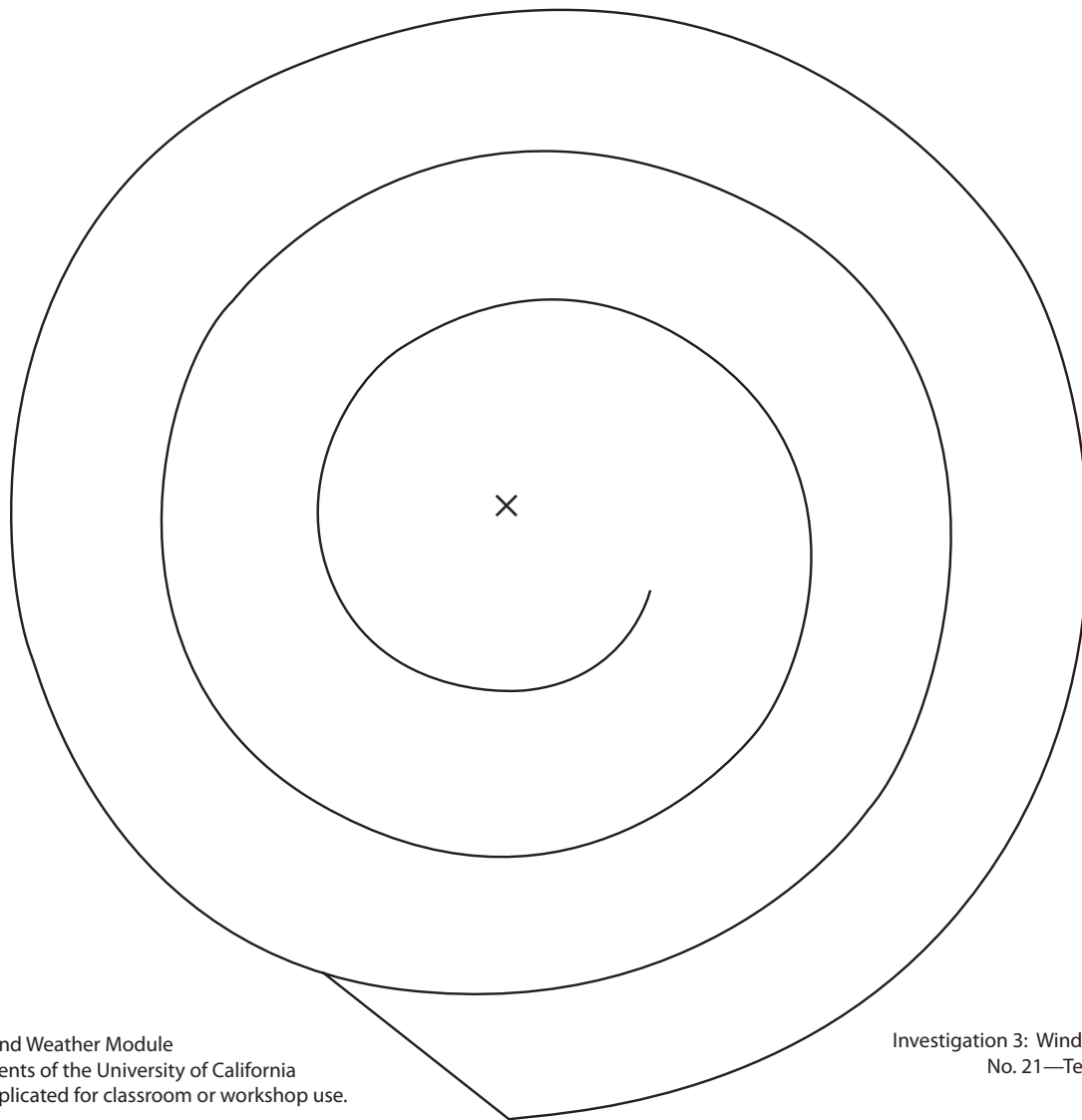
### Investigation 3: Wind Explorations

Make a whirligig with your child, using these directions.

**Materials:** Scissors, tape, and a piece of string

#### Procedure

1. Cut out the whirligig along the spiral line.
2. Tape a piece of string to the X in the middle of the whirligig.
3. Hang the whirligig by the string and blow on it. What does it do?
4. Use the whirligig to find places where the air is moving. Try outside, by a window, or in front of a fan. Where does it move the fastest?



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### Investigation 4: Looking for Change

**Families:** Read this story with your child. Then have him or her draw a picture of Harry in his new clothes.

Harry was always wearing the wrong clothes. When he put on his raincoat, it was warm and sunny outside. When he wore his shorts, the outside temperature was cold. When he decided not to take a jacket with him to school, the wind blew hard.

So Harry decided he wasn't going to go outside. Soon Harry became very, very lonely. All of Harry's friends wanted to play outside. Harry was left alone, wearing the wrong clothes for the weather.

Then Harry got a grand idea! He would design a set of clothes that he could wear outside at any time and in any weather. If it were sunny and warm, Harry could wear his new clothes. If it were windy and rainy, Harry could wear his new clothes. Even if it were snowing, Harry could wear his new clothes!

So, Harry set about designing his new wardrobe.

**Finish the story and draw a picture of Harry's all-weather wardrobe. Use the back side of this page.**

- What kind of clothing would Harry need?
- What kinds of weather would Harry need to think about?
- How can Harry wear the same thing in all kinds of weather?