



# Let's Measure the Weather!



Kindergarten

## Explore

### Challenge:

Can you create a tool that measures the direction of the wind?

### Materials

- ✓ Cardstock (paper)
- ✓ Streamers
- ✓ Tape
- ✓ Twine
- ✓ Crayons
- ✓ Pencil
- ✓ Journal Sheet

### Directions

- 1 First, think about what shape you would like your windsock body to be (cylinder, cone, etc.). Once you have decided on a shape, create that shape with the construction paper.
- 2 Next, glue streamers to the bottom of the shaped construction paper and anywhere else on the windsock (weather instrument) that you want.
- 3 Finally, attach a piece of twine to the top of the windsock and hang it somewhere outside where you can observe how the wind makes it move.

### Dear Families,

Weather **changes** from day to day, and sometimes even throughout the same day. We encourage you and your child to **observe** and explore ways in which the weather changes daily.

Watch the news, listen to a weather report on the radio, or check a weather app with your child. You may also read the weather pages from the local newspaper with your young scientist.

## Discuss

**Ask:** During the activity ask these questions

- How is a cylinder similar to a cone? How is a cylinder different from a cone?
- Why did you choose a \_\_\_\_ shape for the windsock's body?
- Do you think that the wind will blow harder when it is sunny or cloudy? Why do you think so?
- Could you use your windsock to measure the rainfall or temperature? Why or why not?
- What type of tool could you create to measure the amount of rainfall?

Turn Over

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Encourage your young scientist to observe the windsock and describe how it gave them clues about the wind direction.

Think

Ask your child to draw a picture of the windsock on the **Science Journal Sheet** that shows which direction the wind was blowing and the strength of the wind. Then, ask them to think about other things they noticed that could give them information about the weather. Have them add those items to the picture.

## Family Newsletter

### TRY This!

Have your little scientist chart the weather for 2 weeks. After 2 weeks, look at the results together and answer the following questions:

- How many days were sunny? Rainy? Windy? Cloudy?
- Were there more sunny, rainy, windy, or cloudy days?
- What type of weather happened the least? Why?



### Suggested Books:

Fall is Not Easy  
by Marty Kelley

Carl's Nose  
by Karen Lee Schmidt

Weather  
by Claire Llewellyn

Looking at Weather and Seasons  
by Angela Royston

*Look for these books at your local library*

### TIP: Infuse relevant vocabulary

Try using these words when talking with your child about weather:

**Wind, Direction, Force, Movement,  
Storm, Cloudy, and Tornado**

### Online Sites:

[web.extension.illinois.edu/treehouse/](http://web.extension.illinois.edu/treehouse/)

Take our quick **Family Pack survey** to help us improve your experience!



Scan this QR code or visit

[packs.nurturesprogram.com](http://packs.nurturesprogram.com)



For more **Family Engagement** resources, visit [family.nurturesprogram.com](http://family.nurturesprogram.com)