

# What's the Weather Outside?

*"Most young children are curious about and fascinated by the natural world around them. To learn to understand their surroundings, they use their senses- hearing, sight, smell, taste and touch. Young children need many safe, hands-on opportunities to explore and experiment with the natural world".*

*All About the ECERS-R 2003 (Cryer, Harms, and Riley)*

## New Jersey Preschool Teaching and Learning Standards:

Science:

Standard 5.4: Children observe and investigate the Earth.

- Provide opportunities for investigating weather phenomena (e.g., recording daily changes in weather, observing cycles of seasonal change, discussing characteristics of different kinds of weather)

Math

Standard 4.1: Children begin to demonstrate an understanding of number and counting.

## New Jersey Student Learning Standards:

NGSS:

K-ESS2-1 Earth's Systems: Use and share observations of local weather conditions to describe patterns over time.

## Objective:

Students can identify and describe the factors of various types of weather (sunny, rainy, cloudy, windy and snowy).

## For today's activity, you will need:

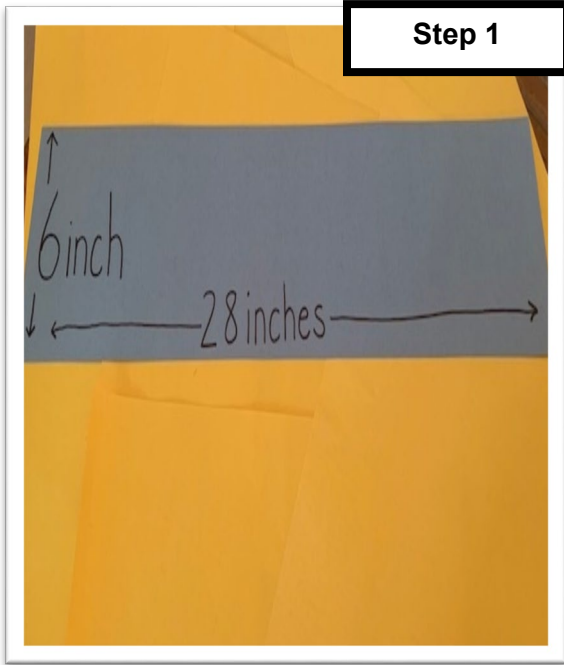
- 6" x 28" inch strip of poster board
- Types of weather words chart tags (attached PDF)
- Various weather die cuts (clouds, sun, snowflake, raindrops) **or** weather photos (attached PDF)
- Scissors
- Glue stick
- Counting link manipulatives **or** spring type clothespins
- Laminator or clear contact paper
- Hole punch

## Steps for today's activity:

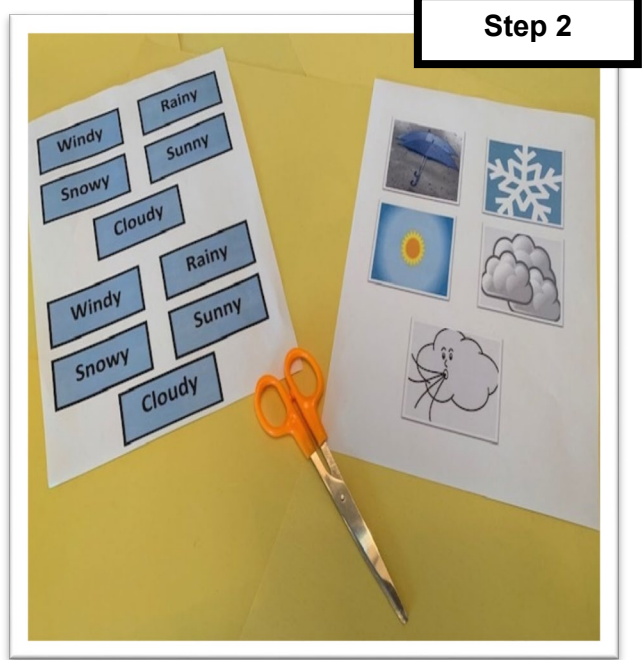
1. Measure and cut out a 6" x 28" inch strip of poster board.
2. Cut out types of weather names and weather photos using the attached PDF.
3. Glue your weather die cuts or pictures roughly 1½ inches apart on the poster board strip.
4. Glue the corresponding weather name above the appropriate type of weather.  
**Optional:** Laminate the chart or use clear contact paper for durability.
5. If you are going to use the counting links as a tally system to keep track of the weather, use the hole puncher to punch a hole under the weather picture. The hole will be used for adding the links.
6. If you are using the clothespin as a marker, you can attach it directly to the poster board.

A picture is worth a thousand words  
as we Learn and Create with the LRC-South!

Step 1



Step 2



Steps 3 & 4



Step 5



The LRC-South at Rowan University is a partnership with the New Jersey Department of Education Office of Special Education and 100% funded by federal Individuals with Disabilities Education Act (IDEA) Part B funds (CFDA #84.027A).

## Extension Activity:

## Fun with Rainbows!

Make your own Rainbow in a bag!

See attached PDF for easy directions!



### \*Rainbow Fun Facts:

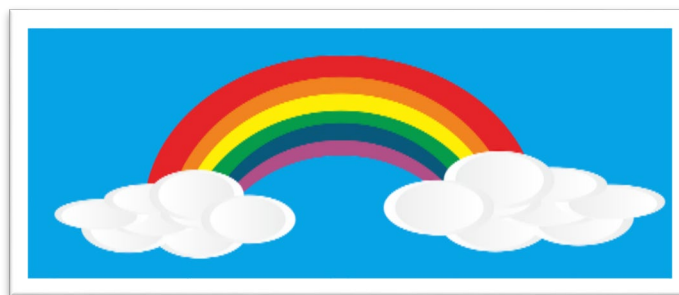
Students will love these fun facts about rainbows...

Have you ever seen a rainbow? It was probably raining, or had just rained! This is why...

- Rainbows appear when sunlight hits drops of water at just the right angle.
- No two people see the same rainbow.
- Rainbows are made up of seven colors.  
**Red, Orange, Yellow, Green, Blue, Indigo and Violet** (ROYGBIV)

Did you know that rainbows never end? This is why...

- Although we see rainbows in arcs, they are actually full circles! The horizon of the Earth blocks us from seeing the rest of the rainbow!
- Circles do not have an end point, they keep going around and around... and around and around... so the rainbow never ends!
- The only way you would be able to see the full circle of the rainbow is if you were in the sky looking down at it.



\*Source: *Rainbows Never End and Other Fun Facts*: Laura Lyn DiSiena and Hannah Elliot

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## LRC-South related items to borrow that align with this Learn and Create activity:

### How's the Weather Big Book



Repetitive, predictable story lines and illustrations that match the text provide maximum support to the emergent reader. Engaging stories promote reading comprehension, and easy and fun activities on the inside back covers extend learning. Great for Reading First, Fluency, Vocabulary, Text Comprehension, and ESL/ELL! (LRC-S # 20156)

### What's the Weather?



Bursting with colorful photos and engaging artwork, and brimming with new things to discover, these books are just right for children curious about everything from insects and animals, to seasons, the weather, natural habitats, and more. (LRC-S # 42874)

### What's the Weather Puppets



These hand puppets are overstuffed and have button eyes and plush details. In fun sun, cloud, rainbow, snowflake and other weather-themed shapes, they encourage creativity and education. Fits teacher's and children's hands. (LRC-S # 43324)

### Feel the Wind Book



Explains what causes wind and how it affects our environment. Includes instructions for making a weathervane. (LRC-S # 42896)

### Seasons & Weather: Read it! Sing it! Big Book



Twelve songs on the CD about seasons and weather set to familiar tunes. Book contains lyrics and illustrations for each song. Designed to promote early literacy skills and cross-curricular activities. (LRC-S # 40523)

### Groundhog Weather School



When Groundhog realizes he needs helpers all over the country to accurately forecast the weather, he establishes a school to teach young groundhogs how to properly determine when spring will arrive. (LRC-S # 42893)

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