

## Session Two Outline: Weather Fun

### Introduction

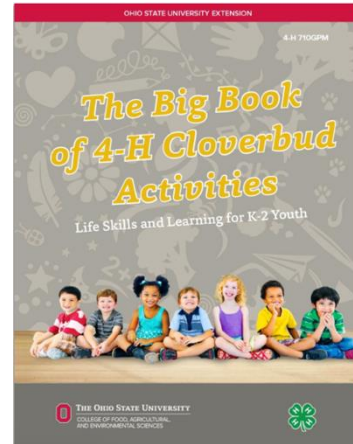
The activities encourage children to understand the basic concepts of weather and the importance of weather safety

### Goals

Demonstrate the understanding of weather changes and its effect on daily life

### Learning outcomes

- Demonstrate the basic learning and understanding of the concept of weather and seasonal changes
- Understand the importance of weather safety and be able to carry out daily life activities accordingly
- Develop social and decision-making skills by participating in various activities



### Activities for a 60 minute lesson:

Group Size: 6-8 children per adult volunteer

### Activity One: Weather Mystery Bags

Activity Time: 15 minutes

### Materials:

1. 2 grocery bags (“mystery bags”) – one with weather forecast and map printed out from a weather website: the other with a variety of items associated with different kinds of weather (umbrella, sunglasses, mittens, boots, sunblock, fan)

### Instructions:

1. Gather the children in a circle
2. Show them the first mystery bag. Tell them the mystery item has something to do with weather
3. Ask them to guess what it is. Give clues until someone guesses correctly
4. Show them the weather map and forecast. See if they can name different kinds of information included in the weather report
5. Ask them to describe today's weather
6. Show the second mystery bag



## 4-H CLOVERBUD ACTIVITIES

- Randomly select children to pull out an item and tell what kind of weather the item would be used for:
- Encourage children to think creatively by asking questions such as “Are the sunglasses worn only in summer? Or “What kind of weather condition can an umbrella could be used for?”



### Application:

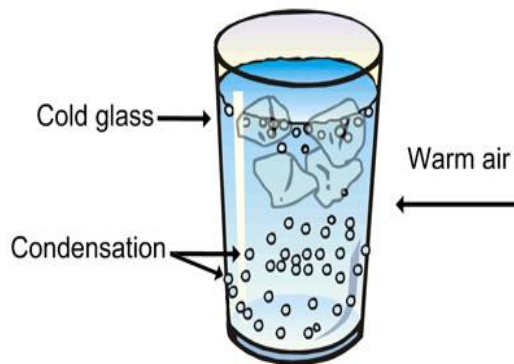
Ask the children to think about other examples of items we use for different weather conditions. Encourage them to be on the lookout for examples at home, school, the store, and outside

### Activity Two: Rainstorm in a Jar

**Activity Time:** 15 minutes

### Materials:

- Measuring cup
- Glass canning or mayonnaise jar
- Hot water
- Small plate
- 4-5 ice cubes

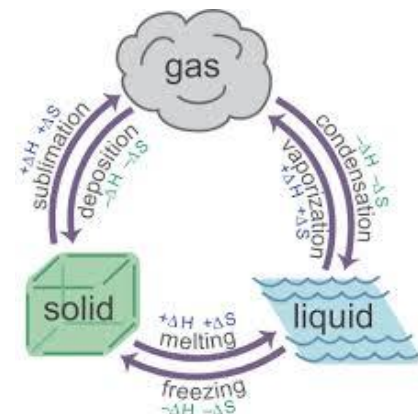


### Instructions:

- Explain to the children that clouds are formed when water evaporates
- Have an adult carefully pour about 1 cup of hot water into the glass jar.
- Cover the jar with a small plate
- Wait 3-5 minutes and then place ice cubes on the plate
- Explain that the steam that rises is like the vapor that makes the clouds. As the steam hits the cold saucer, it causes the moisture in the warm air inside the jar to cool down and change back into liquid water
- The water drips down, making a rainstorm in a jar

### Application:

Encourage the children to notice condensation elsewhere. Places to look might be a steamy bathroom, on car windows, and the inside of some windows during the winter.



### Activity Three: A Moving Experience with Weather

**Activity Time:** 10 minutes

**Materials:** None

#### Instructions:

1. Invite the children to stand and spread out
2. Ask them to use their imagination and creativity to pretend they are different kinds of weather
3. Ask them what they think the following weather would look and sound like?

- Warm gentle breezes blowing on a sunny day
- The wind becoming stronger and starts to howl
- Raindrops falling lightly
- Rain becoming a steady downpour



- Lightning and thunder filling the sky
- A tornado developing
- A tornado calming done, getting slower and slower until it finally stops
- Snowflakes beginning to dance in the sky
- Snowfall becoming heavy
- A snowstorm slowing down
- A final snowflake falling to the ground



**Instructor's Note:** You might use the following [Walk in the Forest](#) activity from the [Up for the Challenge Curriculum](#):

**A WALK IN THE FOREST** 🕒 5 minutes

Have group members stand facing you to mirror your movements. Each youth should have at least one arm's length of space on all sides to move about freely.

This activity is designed to warm-up the body prior to physical activity. Feel free to use your imagination as you narrate your Walk in the Forest and to add other events or features to your adventure!

The leader begins the Walk In The Forest activity by saying: Imagine you are walking through the forest on a sunny day and you notice lots of beautiful clouds in the sky. Reach your arms up (arms go up) and stretch your fingers to touch the clouds. Keep stretching to try and feel those fluffy, beautiful clouds. Higher and higher you reach towards the clouds. Continue marching and stretching arms up overhead for 1-2 minutes.

While still marching, begin snapping your fingers and say, All of a sudden, the rain starts to come down. At first, the rain is light (keep snapping fingers). Then the rain starts to fall harder

## 4-H CLOVERBUD ACTIVITIES

*and harder. Clap your hands softly, getting louder and louder. Continue marching and clapping for 1-2 minutes.*

*While still moving and marching say, the forest is very overgrown in this part of the woods and you need to push tree limbs and bushes out of the way. Bend slightly and move your arms in large sweeping movements in front of you moving imaginary tree limbs out of your way.*

*Begin to jog in place slowly and progressively speed up while still clapping and say, all of a sudden you see a bear in the woods and it is coming toward you! Run as fast as you can to get away from the bear. Hurry, hurry! The bear is catching up! Continue running for one minute.*

*Whew! We finally lost the bear. Let's continue on our way through these beautiful woods. Look! The sun is coming out and the rain is stopping. Slow down to a walk and quietly snap fingers. Oh, there are those beautiful clouds again. Let's stretch our arms up again to say hello to the sun and clouds. Walk slowly and stretch arms up.*

### **Application:**

Remind the children to look and listen carefully to how many different ways weather looks and sounds the next time they are outside

### **Activity Four: WBUD, the Cloverbud Weather Channel**

**Activity Time:** 20 minutes

**Materials:** None

### **Instructions:**

1. Ask the group if anyone knows what a meteorologist does (studies weather and makes weather predictions) and talk about some of the words meteorologists use (precipitation, relative humidity, pollen count, etc.)
2. Help children pretend they are meteorologists and give a short weather forecast
3. Explain to the children what the forecast should include

### **Application:**

Ask the children to watch the weather report at home on television and to pay attention to other kinds of information included in the report

