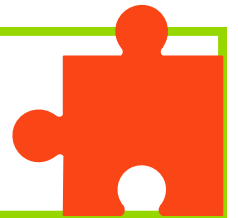# Children's Museum
OF RICHMOND

CONTINUE THE LEARNING

Thank you for spending time with us at the Children's Museum of Richmond. We hope you enjoyed your educational program, Weather Watchers!

To encourage learning to continue after your CMoR program, we invite you to explore these supports to deepen understanding of predicting the weather around us.

LESSON EXTENSIONS

- "Weather Tracker" Activity (included below)

- "Rainstorm in a Jar" Experiment (included below)

EXTRA RESOURCES

"What are Clouds Made of?" Sci-Show Kids
https://youtu.be/DigBbR3FeP8

"Play the Cloud Memory Game" Sci-Show Kids
https://youtu.be/qfA5nCVpSPM

"How Do We Know When it Will Rain?" Sci-Show Kids
https://youtu.be/dLQ0IHpyZd8

ACTIVITY INSTRUCTIONS

"Weather Tracker" Activity

Use the activity page as a way to easily document the weather each day. Explore and identify different weather patterns that occur.

Choose a certain time of day to track the weather as a class. Have the students get out their Weather Trackers (and even their weather viewers made in the field trip program!) and allow some time for them to analyze the weather outside. Ask questions like:
1. What do you see in the sky? Which clouds do you see? (observe)
2. Do you think its hot or cold outside? (verify by going out to check)
3. What weather may happen next? (predict)

"Rainstorm in a Jar" Experiment

This experiment is a playful way to tie what students learned in the Children's Museum's weather program to science concepts like predicting, observing, and drawing conclusions.

Have student drip food coloring onto the shaving cream. The color will begin to seep into the water below, just like rain!

The shaving cream represents the clouds and the water represents the air. The colored water represents rain. As the colored water saturates the "cloud", it gets heavy and eventually is so heavy that it can no longer hold the water. It "rains" down into the jar – through the "air." It is a great demo showing how rain clouds work.
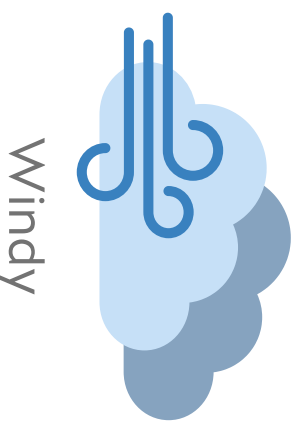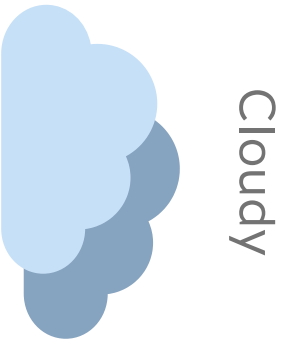
"WEATHER TRACKER" ACTIVITY

Children's Museum
OF RICHMOND

NAME: _____

DATE: _____

Sunny

Cloudy

Rainy

Stormy

Windy

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY

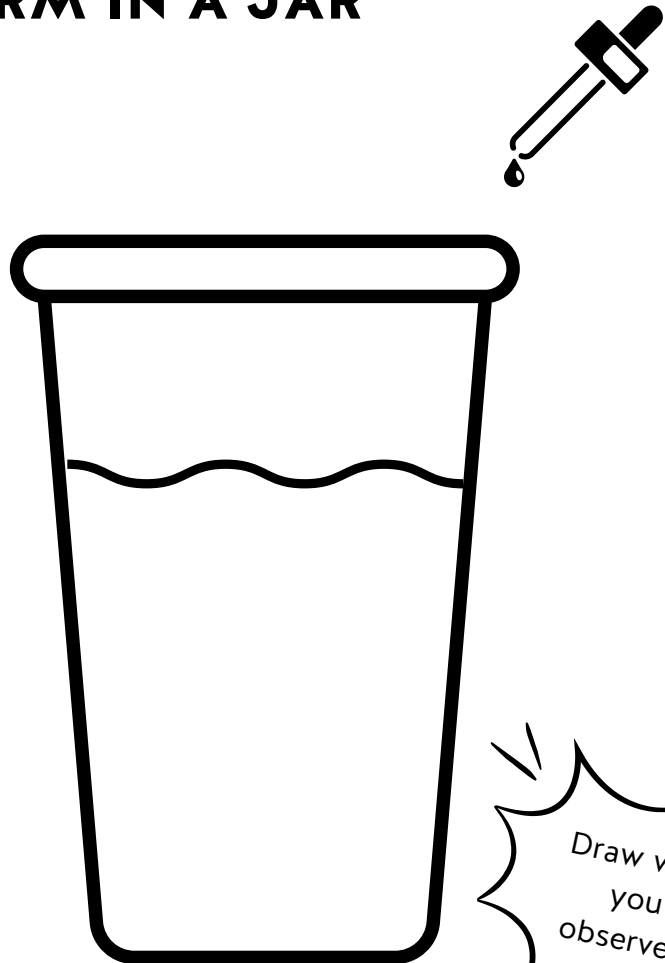# Children's Museum
OF RICHMOND

RAINSTORM IN A JAR

MATERIALS

- clear cup or jar
- water
- white shaving cream
- food coloring
- Pipette (optional)

INSTRUCTIONS

- Fill cup/jar 3/4 full of water
- Add a shaving cream "cloud" to the top of the water, filling the remainder of the cup.
- Add 6-8 drops of food coloring on top of the cloud using pipette.

Draw what you observed!

Prediction:
What i think will happen:

Conclusion:
What actually happened: