

PINK PALACE MUSEUM TEACHER'S PROGRAM GUIDE

Presented In
Pink Palace
Discovery
Theater

For Grades
K-2

33-100 students

Available
August-May
Tuesday-Friday
at 9:30 & 11 am
45-60 Minutes



WEATHER WHYS Program Summary



It's windy outside! Get the anemometer! Whether we like it or not, weather is part of our daily lives. Observe clouds and use weather measurement tools that help predict weather. Read a thermometer and rain gauge. Discover ways meteorologists track Earth's atmospheric phenomena. Investigate air pressure while a miniature tornado forms. Listen to a weather alert radio and discuss safety procedures for dangerous Mid-South weather.

This program supports the following curriculum standard(s)

TENNESSEE	KINDERGARTEN: GRADE 1: GRADE 2:	SCIENCE K.LS1, K.ESS2, K.ESS3, K.ETS1, K.ETS2	HEALTH K.S.8
MISSISSIPPI	KINDERGARTEN: GRADE 1: GRADE 2:	SCIENCE E.19A	
ARKANSAS	KINDERGARTEN: GRADE 1: GRADE 2:	SCIENCE K.ESS2-1, K.ESS3-2	HEALTH HW.11.K
CATHOLIC DIOCESE	KINDERGARTEN: GRADE 1: GRADE 2:	SCIENCE K.1.4, K.1.5 2.1.4, 2.1.5	

Objectives

1. Identify cloud types and predict weather based on observation of clouds.
2. Learn how to collect weather data using tools that measure atmospheric conditions.
3. Understand atmospheric conditions required to produce a tornado.
4. Know safety procedures related to severe weather.

Vocabulary

weather
meteorologist
atmosphere
clouds
air pressure
lightning
tornado
temperature
thermometer
rain gauge
barometer
anemometer
hygrometer

PINK PALACE
Family of Museums
LIVELY LEARNING FOR ALL!

901.636.2362

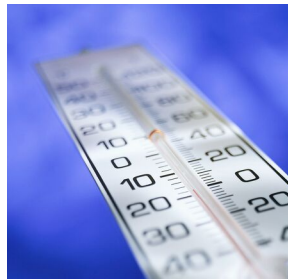
3050 CENTRAL AVE MEMPHIS, TN 38111
WWW.MEMPHISMUSEUMS.ORG

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Fun Facts:



The fastest winds on Earth, 318 mph, were recorded inside a tornado.



-40 degrees Fahrenheit is equal to -40 degrees Celcius.



We usually see lightning before thunder because light travels faster than sound.

Web Resources

Federal Emergency Management Agency -- <https://www.fema.gov/media-library/assets/documents/34411#>

National Weather Service -- <https://www.weather.gov/meg/>

The University Corporation for Atmospheric Research -- <https://scied.ucar.edu/webweather>

Center for Innovation in Engineering and Science Education --

http://www.ciese.org/curriculum/weatherproj/teacher_lessons.html

Museum Resources

For your classroom



Check out the *Weather Suitcase Exhibit* to use at your school. It's packed with cloud charts, weather posters, thermometers, an anemometer and other weather tools.

Borrow a *Weather Instruments Passport*. Record weather conditions at your school using thermometer, rain gauge, hygrometer, barometer and wind vane.

In the galleries

Visit our **Natural History Exhibits** on the ground floor. In the *Oxbow Gallery*, see how flooding along the Mississippi River creates these lakes. Examine impressions of ancient raindrops in rock in the *Walk Through Time Gallery*.



Operated by the City of Memphis, Division of Parks and Neighborhoods and Memphis Museums, Inc.

RESERVATIONS: 901.636.2362

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