

# PINK PALACE MUSEUM TEACHER'S PROGRAM GUIDE



## 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)

<b>TENNESSEE</b>	GRADE 6: GRADE 7: GRADE 8:	<b>SCIENCE</b> 6.ESS2	
<b>MISSISSIPPI</b>	GRADE 6: GRADE 7: GRADE 8:	<b>SCIENCE</b> E.7.9	
<b>ARKANSAS</b>	GRADE 6: GRADE 7: GRADE 8:	<b>SCIENCE</b> 6-ESS2-5, 6-ESS2-6	<b>HEALTH</b> HW.11.6
<b>CATHOLIC DIOCESE</b>	GRADE 6: GRADE 7: GRADE 8:	<b>SCIENCE</b> 7.1.5, 7.1.6, 7.1.7, 7.1.9	

### Objectives

1. Distinguish between weather and climate.
2. Recognize elements of weather that meteorologists observe to describe and forecast weather.
3. Learn how to collect weather data using tools that measure atmospheric conditions.
4. Understand atmospheric conditions required to produce a tornado.
5. Know safety procedures related to severe weather.

Presented In  
Pink Palace  
Discovery  
Theater

For Grades  
6-8

33-100 students

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

## Vocabulary

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

**P!NK PALACE**  
Family of Museums  
LIVELY LEARNING FOR ALL!

**901.636.2362**

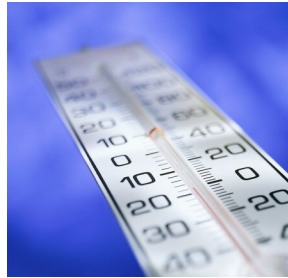
**3050 CENTRAL AVE • MEMPHIS, TN 38111**  
**WWW.MEMPHISMUSEUMS.ORG**

# L!VELY LEARN!NG FOR ALL!

## 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](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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