

Today in



we learned all about...

## Walloping Weather



- We learned that weather affects the way that we live.
- We learned that scientists that study weather are called meteorologists.
- We used weather instruments like anemometers to help us record the day's weather.
- We learned that air has mass, takes up space and plays a key role in shaping weather phenomena.
- We discovered that clouds form when water vapor condenses around particles, and that clouds have characteristic shapes that we can recognize.
- We made some mini lightning and learned about static electricity.
- We created our own weather forecast using weather symbols.
- We made our own ultraviolet-detecting key chain so that we could detect our exposure to the Sun's ultraviolet light all year round!



## LET'S TRY THIS AT HOME!



### Ultraviolet Explorations

**You Need:** Your U.V. bead key chain, a pair of sunglasses, a shirt, a plastic bag and a mirror

- 1 **Time of Day:** Observe how long it takes for your beads to change color in the morning, at noon and in the evening.
- 2 **Protective Coating:** Observe how long it takes for your beads to change color under the different items listed above. For example, put the beads under a pair of sunglasses outdoors to see what happens.

**Explanation:** The time of day and clothes we wear help to protect us from harmful U.V. rays. Your beads contain a U.V. sensitive pigment that changes from colorless to colored in the presence of U.V. light. Experiment with cloudy, rainy or foggy day. Experiment with other materials such as a plastic container, wood or metal to see if your beads change color.



**ASK ABOUT OUR OTHER MAD SCIENCE PROGRAMS:** Mad Science offers a broad range of Workshops, After-School Programs, Special Events, Assemblies, Vacation and Summer Programs, and of course, Birthday Parties!