

Wacky Weather

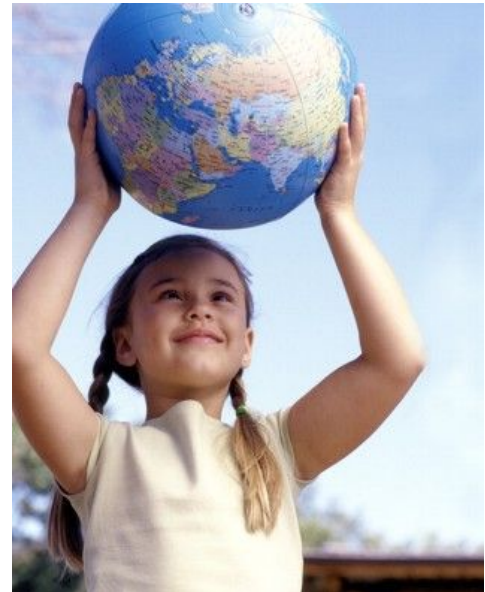
Students will learn about clouds, precipitation and even make it "snow" in the classroom!

SUMMARY:

Children get weather-wise in this climate-controlled class! A demonstration using heat sensitive paper and a flashlight brings to light the reasons for seasons. Children discover how air affects weather, and perform a test to prove that air is everywhere. Children try out tools that meteorologists use to measure weather. They create three-day weather forecasts for cities around the world and stage a statically charged indoor storm.

EDUCATIONAL VALUE:

Children conduct hands-on experiments to understand how and why weather occurs. They find out that seasons change as the Earth tilts toward and away from the sun. Children learn that air affects weather. They perform experiments to prove that air has mass and takes up space. After learning that water in the air affects the weather, children recreate the water cycle and mimic a rain cloud. They try out meteorology measurement tools and act like weather reporters. Students will understand change and the observable patterns of weather that occur from day to day and throughout the year.



TAKE-HOME MESSAGE:

- 1 Air is all around us. Air changes affect the weather.
- 2 Weather changes from day to day.
- 3 Weather patterns associated with seasons occur in a particular order.



TAKE-HOME PRODUCT:
Mad Science® Insta-Snow

North Carolina Essential Standards:

Understand change and observable patterns of weather that occur from day to day and throughout the year.

- K.E.1.1 Infer that change is something that happens to many things in the environment based on observations made using one or more of their senses.
- K.E.1.2 Summarize daily weather conditions noting changes that occur from day to day and throughout the year.
- K.E.1.3 Compare weather patterns that occur from season to season.