

Student Name:

Date:

**Unit Topic: Air and Weather**

In this unit, students learned about the big science concepts regarding how air and weather has structure, patterns, and how it interacts. We also learned about the sun and moon, their patterns and relation to the seasons. The goal was to have students grow as learners as they learned about "Air and Weather."

The big ideas the students were working to understand were:

- Air is matter (gas) and takes up space
- Weather describes conditions in the air outside
- Weather conditions can be measured using tools such as thermometers, wind vanes, anemometers, and rain gauges
- Clouds are made of liquid water drops
- The Sun heats Earth during the day
- Wind is moving air
- Daily changes in temperature and weather type can be observed, compared, and predicted
- Each season has typical weather conditions that can be compared and predicted
- Weather affects animals and plants
- The Moon can be seen sometimes at night and sometimes during the day. It looks different every day, but looks the same again about every 4 weeks
- There are more stars in the sky than anyone can easily see or count
- The Sun can be seen only in the daytime
- The Sun and Moon can be observed moving across the sky; we see them at different locations in the sky, depending on the time of day or night
- The Sun appears to rise in the east, move across the sky during the day, and set in the west
- The hours of daylight changes with the seasons

**Achievement**

Academic Content	Achieve
Demonstrated understanding of the Science concepts, including important knowledge and skills developed in the unit	
Scientific and Engineering Practices - or learning HOW to learn	
Asked questions about the science we learned and thought about how it can help us	
Drew pictures about the science we studied to help understand more about it	
Recorded observations and shared them with others	
Used measurement tools and math to find or describe patterns	
Developed explanations of what they observe in experiments using evidence collected	
Constructed an argument to defend what was observed	
Communicated clearly and accurately about what was learned	

Your child's effort, collaboration, and other behaviors will be communicated on the semester report cards and at conferences.

Comments: