

SCIENCE UNIT - WEATHER & SEASONS– Grade 1

Topic/Chapter & Goals	Textbook Lesson Page	Vocabulary for Unit	Homework Assignment Due by Week of January 26, 2015	Science Standards
Topic/Question: <i>What are some of the changes we notice between seasons?</i> <u>UNIT GOALS</u> <u>Weather</u> 1. Identify types of weather 2. Explore a variety of weather tools 3. Describe water cycle 4. Describe how rain forms <u>Seasons</u> 1. Identify characteristics of Spring 2. Identify characteristics of Summer 3. Identify characteristics of Fall 4. Identify characteristics of Winter	Part 1: Weather 1. What is Weather? 166-171 2. How Can We Measure Weather? 172-177 3. What Makes Clouds and Rain? 178-183 4. Chapter Review 188-189 Part 2: Seasons 1. What is Spring? 192-199 2. What is Summer? 200-205 3. What is Fall? 206-211 4. What is Winter? 212-217 5. Chapter Review 222-223	Weather Temperature Thermometer Water cycle Evaporate Water vapor Condense Season Spring Summer Fall Migrate Winter	Choose one: 1. Weather is different around the world. Choose a place you have visited or want to learn about. Draw or print a picture and explain how the weather is throughout the year. Include temperature, seasons, and weather words. Some ideas: a tropical island, an African savanna, the Arctic, etc. 2. Choose two of the types of clouds you learned about: *cirrus *cumulus *cumulo-nimbus *stratus Make a cloud collage. Use cotton balls to illustrate the 2 different types of clouds. Write a paragraph telling how the clouds are the same and how they are different.	Observe and describe weather conditions PS 1.1a that occur during each season. Observe, measure, record, and compare weather data throughout the year (e.g., cloud cover, cloud types, wind speed and direction, precipitation) by using thermometers, anemometers, wind vanes, and rain gauges. Compare temperatures in different locations (e.g., inside, outside, in the sun, in the shade). Compare day and night temperatures. Illustrate and describe how the sun appears to move during the day. Illustrate and describe how the moon changes appearance over time (phases of the moon). Describe the 24 hour day/night cycle(time). Observe and record the changes in the sun's and other stars' position, and the moon's appearance relative to time of day and month, and note the pattern of this change. Recognize that the sun's energy warms the air. PS 2.1a,b PS 1.1a PS 3.1g PS 1.1a PS 1.1b PS 1.1c