

Kit Exploration Night at LMS

Weather and Temperature

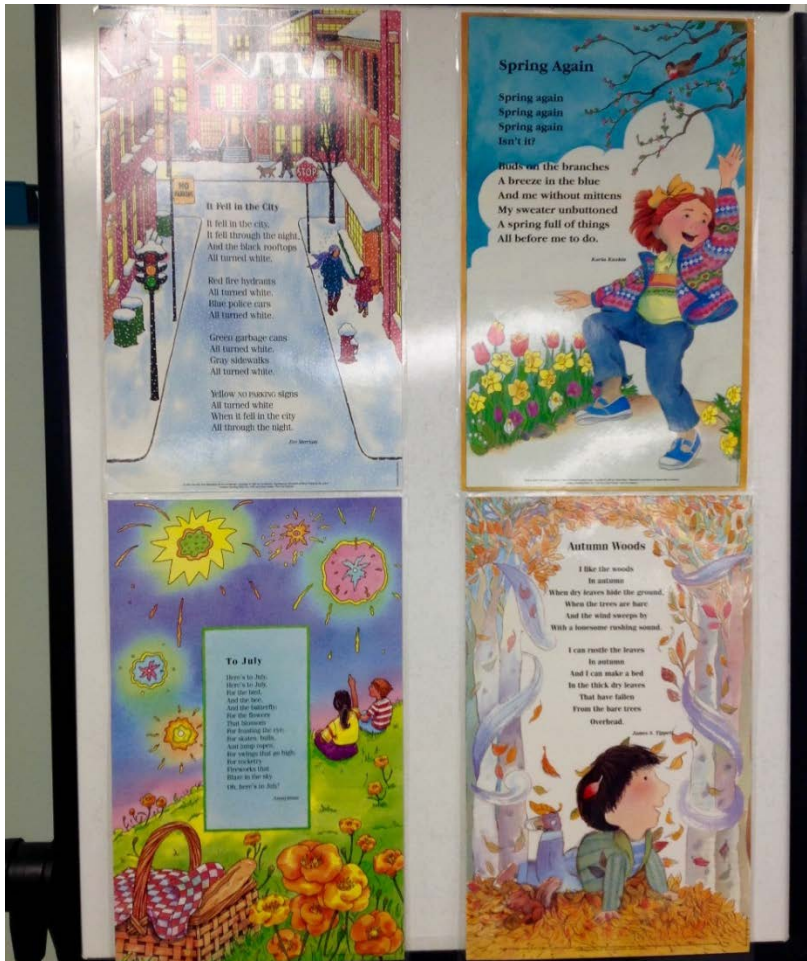
October 17, 2017

The Wonder of Snow: An Exploration of Snow and Avalanches for Grades 5 - 10



Objective: Students will learn about snowflakes and snow metamorphism. They will also learn about snowpack structure and the physics of avalanches. Alaska Board of Education Science Grade Level Expectation (GLE) strand numbers that apply to this lesson: SA1, SB4, SD2, SE1.

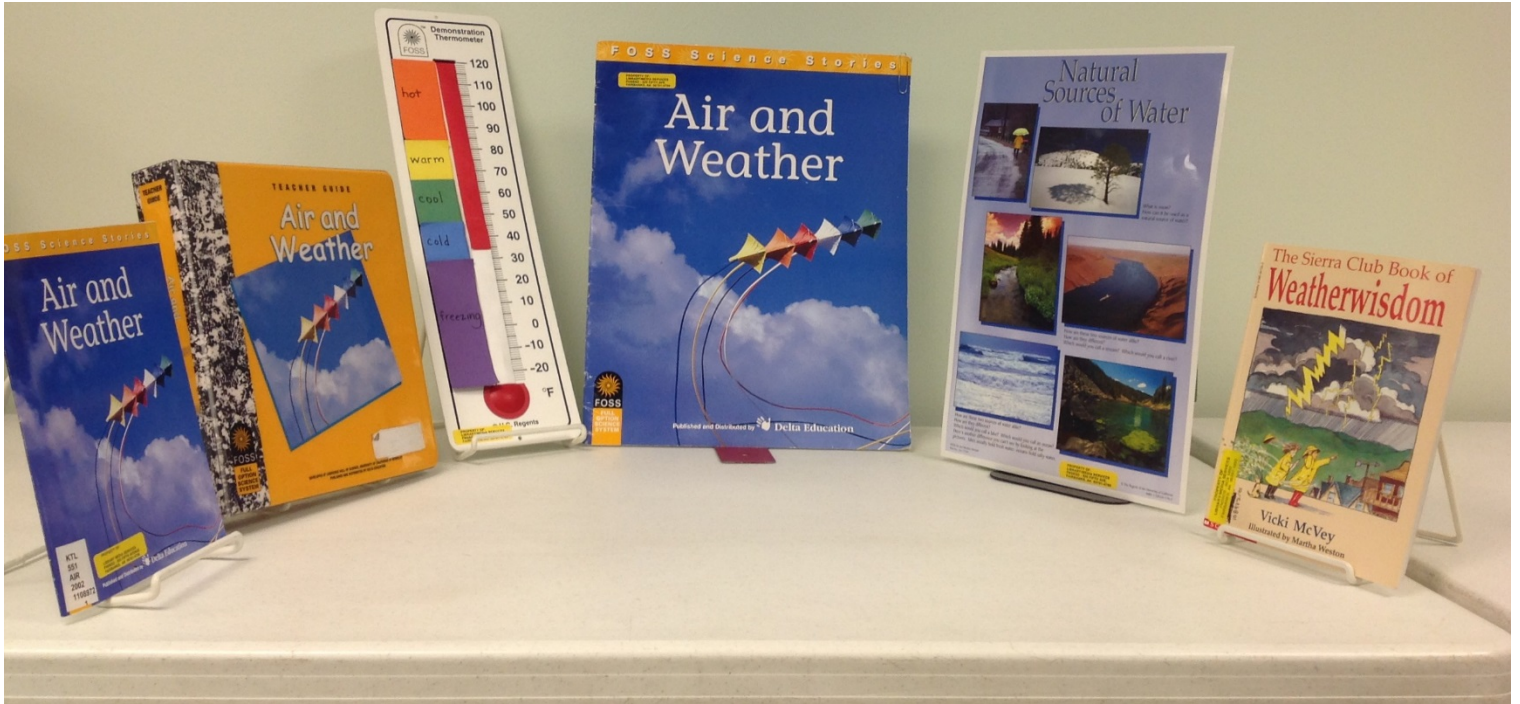
Creamer's Field: Weather



A Living Lab: One of eight kits that can be used to explore the four major ecosystems in Interior Alaska. The kit investigates a variety of weather phenomena: the principles of air, wind, ice fog, the seasons, precipitation, the use of weather instruments, and the life of a meteorologist.

FOSS: Air and Weather

Grades 1 and 2



The Air and Weather Module consists of four sequential investigations, each designed to introduce concepts in earth science. The investigations provide opportunities for students to explore the natural world by using simple tools to observe and monitor change. Included in the kit is a giant, colorful thermometer, excellent for teaching students how to measure and interpret a range of temperatures.

Weather Kit (AIMS)



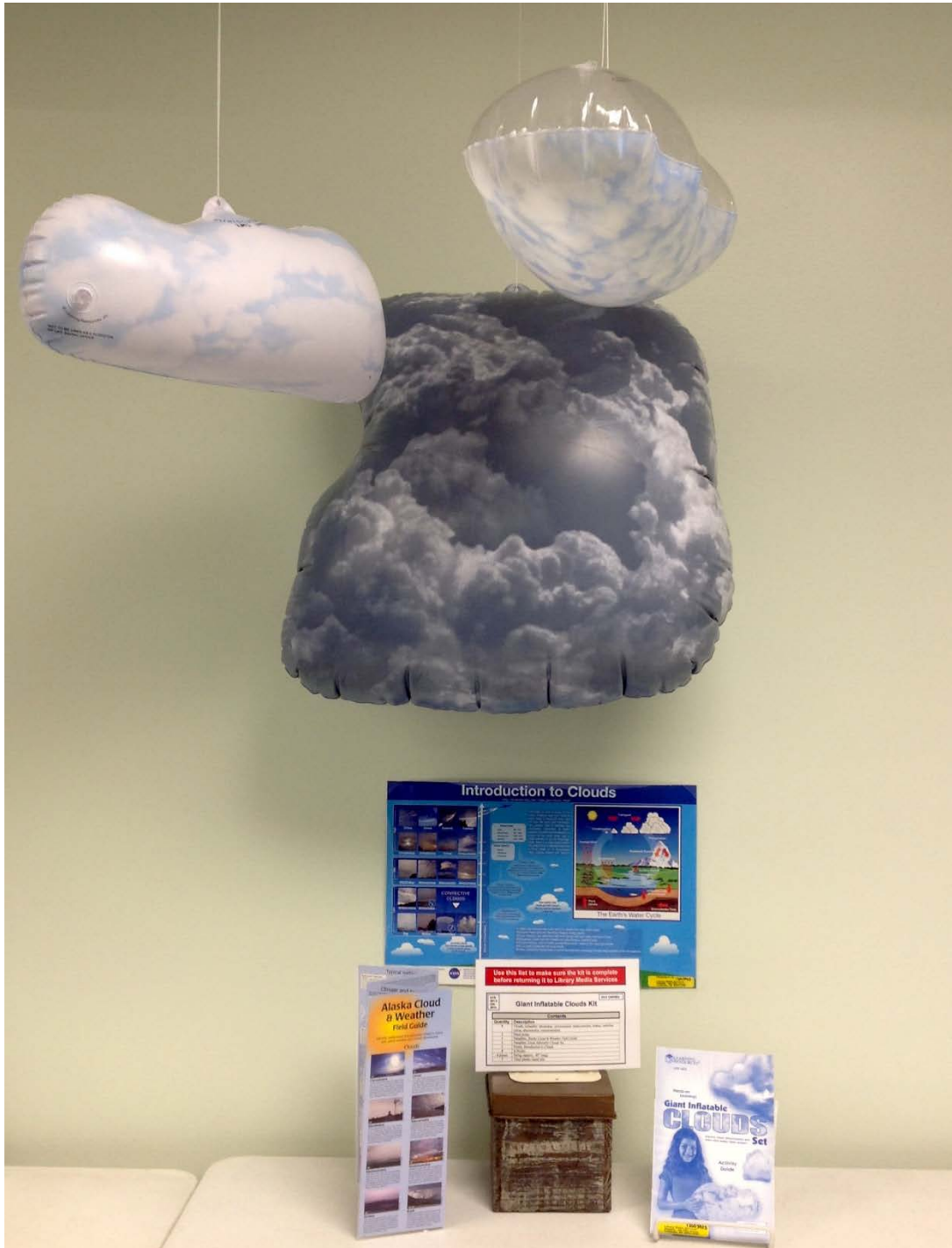
Students explore weather using the local site as a laboratory. Using a sling psychrometer to measure humidity, students will observe condensation in the form of dew and clouds, and explore precipitation of both rain and snow. Students investigate temperature variations, observe evidence of the property of air, and use both qualitative and quantitative measures for wind. Measuring tools are constructed and/or used to gather weather data that are displayed in a variety of graphs and on a station model. Literacy is addressed through weather proverbs, a cloud word cell study, and journal prompts. Includes: 2 books: Weather Sense: Moisture and Weather Sense: Temperature, Air Pressure, and Wind, cloud charts, barometer, and other experimental equipment.

Cloud Model Activity



Learn about science by looking at clouds. This three dimensional model helps students learn about different cloud types. Removable labels allow students to identify the structures and altitudes of cloud formations, and includes activities to promote math and science skills. Includes cloud model, large color photographs of various types of clouds, and an activity set.

Giant Inflatable Clouds Kits



This kit contains 8 fantastic large inflatable clouds, a poster titled "Introduction to Clouds", Activity Guide, small hand pump, Alaska Cloud & Weather Field Guide pamphlet, and 5 vinyl plastic repair kits.

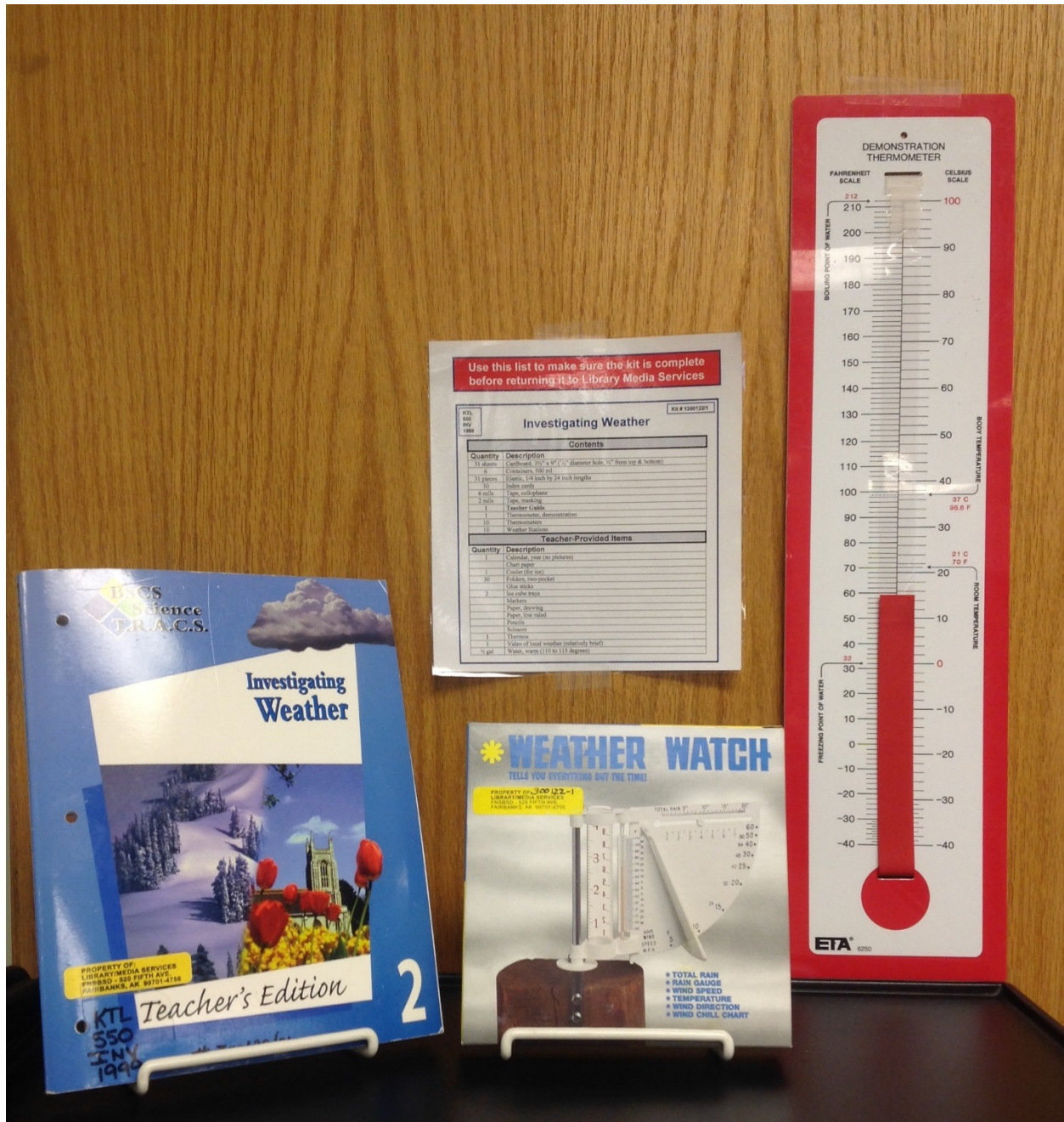
FOSS: Water Cycle

Grades 3 and 4



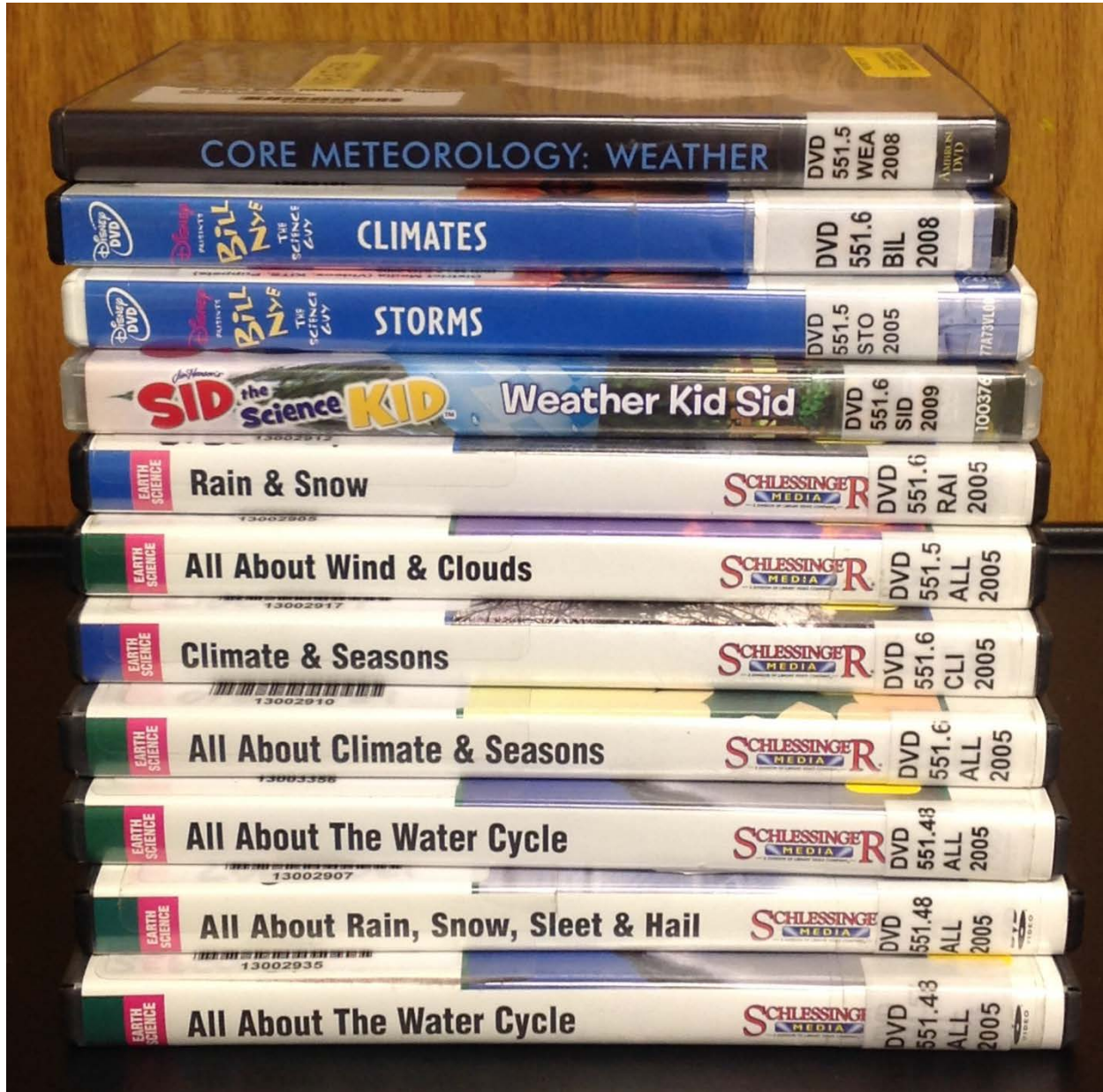
Investigate surface tension, freezing, expansion, density, evaporation, and condensation in a number of settings. Consider water quality, and the processes by which water is recycled naturally. Includes prep video (VHS), activity sheets, (4 activities), experimental equipment, and guides.

Investigating Weather



This module uses students' basic knowledge of weather and builds in order to introduce new ways of describing the weather more accurately. Includes the following tools that students use as a part of their investigations: wind vanes, wind speed indicators, and rain/snow gauges. Also includes: mini weather station, thermometers, and experimental equipment.

DVD Weather Collection



Choose from a number of great titles!

Find additional titles by searching our Destiny database or by browsing the DVD area in LMS.