4th Grade Science Curriculum

Landforms

Fall: ***Skyline, Sunnycrest***
Winter: ***Hillcrest, Highland***
Spring: ***Glenwood, Mt. Pilchuck***

Unit Goals:

- ***Gain experience with models and maps.***
- ***Gain experience with the concepts of erosion and deposition.***
- ***Observe the effect of water on surface features of the land, using stream tables.***
- ***Plan and conduct stream-table investigations.***
- ***Relate processes that they observe in the stream-table models to processes that created famous landforms.***
- ***Become familiar with topographic maps and some of the techniques used to create them.***
- ***Gain experience with the concepts of contour and elevation.***
- ***Use measurement in the context of scientific investigations.***
- ***Apply mathematics in the context of science.***
- ***Acquire vocabulary associated with landforms and the processes that create landforms.***
- ***Use scientific thinking processes to conduct investigations and build explanations: observing, communicating, comparing, organizing, and relating.***

Water

Fall: ***Hillcrest, Highland***
Winter: ***Glenwood, Mt. Pilchuck***
Spring: ***Skyline, Sunnycrest***

Unit Goals:

- ***Observe and explore properties of water in liquid, solid, and gaseous states.***
- ***Observe the expansion and contraction of water as it warms and cools.***
- ***Investigate factors that influence evaporation and condensation of water.***
- ***Consider components of the water cycle.***
- ***Observe and compare how water moves through different types of earth materials, including soil and gravel.***
- ***Consider the water quality of local water sources.***
- ***Investigate how water can be used to do work.***
- ***Acquire vocabulary associated with water.***
- ***Record observations in writing and pictures.***
- ***Exercise language, social studies, and math skills in the context of science.***
- ***Become aware of the importance of water in their lives.***
- ***Use scientific thinking processes to conduct investigations and build explanations: observing, communicating, comparing, and organizing.***