

2nd Grade Science Curriculum

Balance and Motion

Fall: Glenwood, Highland, Hillcrest, Mt. Pilchuck, Skyline, Sunnycrest

Unit Goals:

- *Develop a growing curiosity and interest in the motion of objects.*
- *Investigate materials constructively during free exploration and in a guided discovery mode.*
- *Solve problems through trial and error.*
- *Develop persistence in tackling a problem.*
- *Explore concepts of balance, counterweight, and stability.*
- *Observe systems that are unstable and modify them to reach equilibrium.*
- *Discover different ways to produce rotational motion.*
- *Construct and observe toys that spin.*
- *Explore and describe some of the variables that influence the spinning of objects.*
- *Observe and compare rolling systems with difference-sized wheels.*
- *Explore and describe the motion of rolling spheres.*
- *Acquire the vocabulary associated with balance and motion.*

Pebbles, Sand and Silt

Winter: Glenwood, Highland, Hillcrest, Mt. Pilchuck, Skyline, Sunnycrest

Unit Goals:

- *Develop a curiosity and interest in the physical world around them.*
- *Observe, describe, and sort earth materials based on properties.*
- *Separate earth materials by size, using different techniques.*
- *Observe the similarities and differences in the materials in a river rock mixture: silt, sand, gravel, and small and large pebbles.*
- *Explore places where earth materials are found and ways that earth materials are used.*
- *Compare the ingredients in different soils.*
- *Organize and communicate observations through drawing and writing.*
- *Acquire the vocabulary associated with earth materials.*