

## K-3<sup>rd</sup> Grade Science Exploration with Ms. Auger

[augerscience.weebly.com](http://augerscience.weebly.com)

This year's science has been full of hands-on exploration of earth science for all Kinder through 3<sup>rd</sup> graders. We have explored the engineering process of overcoming a problem by designing, creating, and modifying both marshmallow and toothpick towers and creating rosie-copters. Teamwork has been a vital part of our engineering success in science.

During conference week we planted seeds and pulled weeds to start our beautiful school garden. Doug the turtle has been spotted, so please keep the gate closed while enjoying our garden.

After the fall break, we will continue our inquiry-based earth science learning of earth systems, space systems, and weather and climate.

### Kindergarten

Our Kinder classes have been making observations to determine the effect of sunlight on the Earth's surface. We have done this using the scientific method on sunlight's effect on crayons, sunscreen, and Earth's natural resources and creating an understanding of thermometers and temperatures. We have also been tracking our local weather conditions so that we can describe weather patterns over time.

After fall break, we will continue our study of weather and climate as well as use the engineering process to design and build a structure that will reduce the warming effect of sunlight on an area.

### First Grade

Our First graders have been studying space systems by observing the sun and moon to describe patterns that can be predicted. We have been observing the sky and shadows, and creating sun finders, orbit models, and reasons for the seasons (tilt) plates.

After fall break, we will continue our study of space systems by focusing on the moon and stars and their predictable patterns.

### Second Grade

Our Second graders have been exploring what shapes our Earth. We have used the scientific method and provided evidence of Earth events that happen slowly such as wind, water, and glaciers. We have learned about many types of engineers and then became engineers creating dams that could slow or prevent water from changing the shape of our land.

After the fall break, we will continue the processes that shape our Earth by focusing on volcanoes and earthquakes that happen quickly. We will also explore where water is found on Earth and develop a model that represents the shapes and kinds of land and bodies of water in an area.

### Third Grade

Our Third graders have been studying weather and climate and understanding the differences between the two. We have been tracking weather patterns, making maps of worldwide climate patterns and creating storm spotter's guides to understand types of clouds and the weather they indicate.

After the fall break, we will focus on weather conditions and on weather-related hazards. We will again use the engineering process to design a solution that reduces the impacts of weather-related hazards.