

F I N A L F I R S T Q U A R T E R

8 grade

SCIENCE *comes alive*

*****INQUIRY THROUGH ACTION*****

What's up for the rest of the year?

- Students will spend the second half of the semester taking Social Studies.
- In January, students will return for another quarter of science where we will focus on chemistry, genetics, and physics.
- Science Fair and Science Olympiad will happen in the spring!

Students take on MORE Scientific Investigations! ✕

Density of Whale Tissue

Thanks to the generosity of the whaling crews who donated meat and blubber, students were able to find the density of whale tissue. Students were then able to analyze the advantages and disadvantages that blubber provides for a whale.



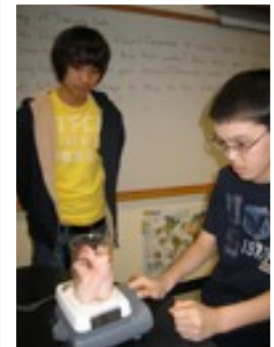
ORBITAL PATHS.... WHAT IS OUR SHAPE?

Have you ever thought about why Mercury has such a round orbit and Pluto's orbit is so elliptical? In lab students figured out the shape of orbital paths to understand why the shape changes the further a planet is from the sun.



Rendering Whale oil....

using blubber from this year's whale harvest, students devised a procedure that they followed to render oil from whale. This activity had students calling parents and grandparents during class to see how their family used to render oil. Once clarified, we hope to burn the oil in lamps to see how much heat and light the oil gives off.





Human Anatomy... What makes you different?

Who ever thought that exploring the human body could be so entertaining? Students looked at the various systems of the human body, pulled models apart, and did a series of activities that allowed them to understand a bit more about the body they inhabit and how systems interact with each other.

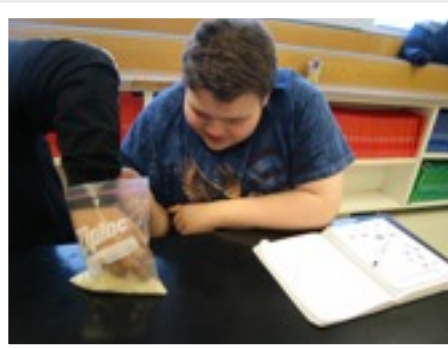
Finding Volume through Displacement

Students figure out how to find the volume of irregularly shaped objects.



Adaptation Activities

Students learned about how animals adapt to the environment in which they live. By submerging their hands in buckets of ice water with a 'fat glove' on, students began to understand the advantage of having a large layer of fat on their body. Students also simulated the competitive aspects of beak size and shape as they competed as 'birds' do for a limited food source.



Students use the sense of touch to realize the important role it plays in our daily lives.



Classification

Scientists use a dichotomous keying system to classify living things on Earth. Students devise their own key system for a group of organisms. Students then used actual dichotomous keys to key out organisms

