

OCTOBER 2010
8 grade
SCIENCE *comes alive*

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

*What's up for
the rest of the
quarter?*

- Science as Inquiry and Process (continue research on the local environment)
- Concepts of Physical Science (exploring changes in state as well as physical and chemical properties)
- Density activities

Students take on **MORE**
Scientific Investigations! ✕

Safety in the Lab

This month's tip is to keep your hair tied back during scientific investigations. Long beautiful hair caught in an experiment can lead to disastrous consequences. Who would want their hair dripping with chemicals, burning on a hot plate, or knocking over an experiment?



GUEST SPEAKERS FROM SITKA

Ever wonder if other people off the North Slope are interested in Bowhead Whales? Our answer came when students and their teacher from Sitka came to our class to teach about listening

to whales. They taught students about the Sea Tech program and data analysis. Students tested their ability to listen to and identify marine mammals through vocalizations.



*Science
Notebooks....*

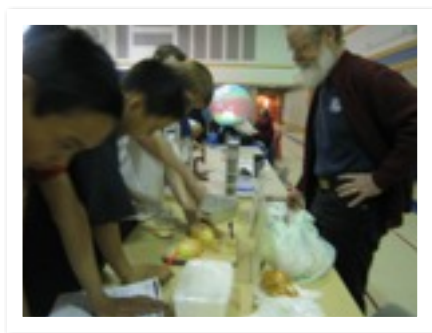
are used in class EVERY day. It is important that when kids take their notebooks home to finish an assignment, they need to bring them back to class the next day. Please support your child in keeping an accurate, neat, up to date notebook. Use the notebook at home around the dinner table as a tool to discuss what is going on in class.





The Toilet Paper Variable?

Who ever knew studying toilet paper could be so much fun? It's something we use every day yet take for granted. Student scientists set out to test the strength of wet TP in class. Students learned about dependent and independent variables. They kept all variables (conditions) constant except for the four brands of TP they tested. After making initial observations and forming a hypothesis, students devised an experiment to test the strength of toilet paper. It was unanimous! Angel Soft brand toilet paper is the strongest toilet paper when wet. Students then graphed their results and wrote up their findings.



Climate Change Workshop

Thanks to an ECHO grant, students at HMS had the opportunity to participate in a 15 station event on Climate Change. Each station had hands-on activities where students examined the long term implications and effects of a changing climate on the global community.



Radiation Lab

Planet Earth gets heat from the sun through convection, conduction and radiation. In this lab students explored the heating up and cooling off of water and land masses on the surface of the earth. Their results were graphed in their science notebooks.

