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S C I E N C E  
N E W S L E T T E R

8 grade  
**SCIENCE** *comes alive*

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



*DATES*

*March 26th State Science Olympiad Competition in Anchorage (UAA)*

*April 12th- Science SBA test*

**HMS Science Fair is a huge SUCCESS!!!**

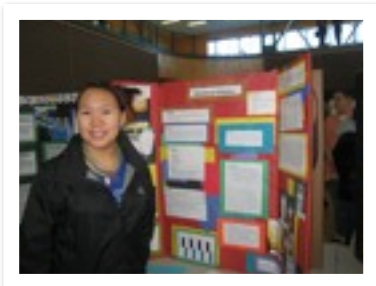
Over 40 8th grade students participated in the school science fair this year! Students were able to choose a project in their area of interest. Projects ranged from airplane flight to drilling holes in ice.

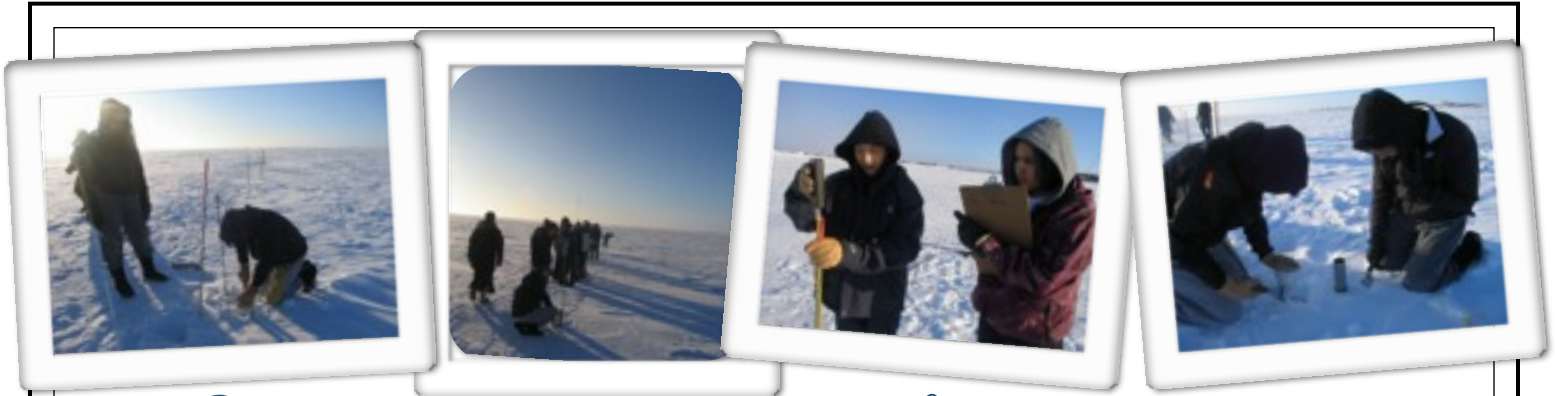
Certificates of participation were presented to each student involved in science fair during the awards assembly March 10th. Six students from HMS represented HMS at the state science fair in Anchorage.



**State Science Fair**

At the State Science Fair Molly Adams's project focused on Bowhead Whales, Randy Patkotak's project examined active layer freeze-up in Barrow. Ariana Salamat and Arvi Gandia's project was on solubility at different temperatures. Students defended their projects to judges, then celebrated by going to dinner and bowling. Molly Adams's project was recognized and honored by COSEE (Centers for Ocean Sciences Education Excellence) and Mrs. Greene was presented the "Outstanding Middle School Teacher" award.





## Spring Ice and Snow Measurements

- ☉ Students are out on the ice and digging in the snow again! As part of the Alaska Lake Ice and Snow Observation Network students are out on the lagoon behind the school taking snow samples to figure out the snow density and drilling into the ice to measure its thickness.
- ☉ As of the end of March the lagoon ice was 150 cm. thick (that's 5 feet!!!!).
- ☉ This information is uploaded and shared with scientists at UAF and around the world.



### *"Fly-Bird" Genetics in Class*

Fourth quarter students started out with heredity projects and learning about their own genetic traits through a series of activities. They looked at some of their own dominant and recessive traits, then carried those concepts over to a "Fly-bird" genetics lab. Students began to understand the role gametes play in offspring genetics and how genetics has to do with probability.

### *Physics is Fun!*

**Students in class this quarter are learning about physics and motion by swinging buckets of water around, playing with electric cars, and building projects. Students are exploring potential and kinetic energy as well as types of acceleration.**

