

## Students Finalist in National Competition

Four students from New Horizons' Governor's School for Science and Technology have been selected to present their lunar enterprise project at the annual Innovation Summit for the *Pete Conrad Spirit of Innovation Award*. Ten teams from around the nation are selected as finalist teams. Andrew Tyler (Poquoson), Chase Brown (Tabb), Joseph Luke (Phoebus), Tyler Clinch (Phoebus), and sponsor Dr. David Moffatt of team "We Miss Pluto" were selected as the finalist team. The competition involved designing a business plan for a lunar enterprise, a technical document, as well as a graphical representation; the team's topic was mining Helium-3 from the lunar surface. Public funding is needed for the team to travel to Ames Research Center in Moffett Field, California on April 2, 2009. To support the team or read more about the competition, visit [www.conradawards.org/we\\_miss\\_pluto](http://www.conradawards.org/we_miss_pluto).

## 2009 Summer Camps

The Governor's School for Science and Technology School Summer Science Camp and Computer Camp are scheduled for June 29 through July 10 and July 13 through July 24. [Click here for details](#)



## THE GOVERNOR'S SCHOOL for SCIENCE AND TECHNOLOGY

## Mentorship Experience Touches the World

By: Drew Tyler

*"Last year, I worked under my mentor, David Morris, at Northrop Grumman Defense Mission Systems, Co. to convert a Risk Management/Tracking Tool from a Microsoft Access-based tool to a web-based tool. The tool was implemented using Coldfusion and PostgreSQL technologies, and the project is now being implemented worldwide across all Northrop Grumman IT locations. They have found it to be a valuable tool in the creation of projects for the US Military and Government. This year, I am modifying an existing missile correlator for Northrop Grumman. The correlator makes sure that the military receives "good" data when trying to track missiles in the air. It is an integral part in the locating and tracking of missiles and also in the formulation of a counter strike. By the end of the year, the correlator I work on will be more comprehensive, more efficient, and will most likely be implemented for the military's use as well."*

## Construction Challenge Team Visits D.C.

On October 7, 2008, the New Horizons Regional Education Centers (NHREC) Construction Challenge Team traveled to Washington D.C. and visited with Congressional Representatives, staffers and distinguished visitors on Capitol Hill to explain the Construction Challenge program as well as to promote workforce development for Association of Equipment Manufacturer (AEM) member industry sectors. **The team competed at the March 2008 Construction Challenge Finals at the Annual Construction Expo in Las Vegas where they placed 7<sup>th</sup> among the 58 teams in the international competition.** Students were accompanied by Gregg Harris, NHREC Computer Networking instructor, Team Advisor, Vikki Wismer, Director of the Governor's School and the Governor's Academy for Innovation, Technology, and Engineering (GAITE), as well as Vicki Woshon the Director of Human Resources for Liebherr Mining and Equipment Company, the sponsor of both teams sent to the 2008 Construction Challenge Finals. Student participants included: Chase Brown (Tabb), Brittany Hull (Bethel), Ronald Marongelli (Tabb), Jozef Newsome (Kecoughtan), Virginia Ray (Tabb) and Kevin Seywald (Tabb).

## CNU Math Contest

On Saturday, November 22, twenty-two students from the Governor's School for Science and Technology participated in the 9<sup>th</sup> Annual CNU Regional High School Mathematics Contest in which high school teams from across eastern and central Virginia competed. The students completed both individual and team rounds, answering questions of varying difficulty across a range of topics. **Governor's School teams placed 2<sup>nd</sup> and 4<sup>th</sup> overall, with 2 Governor's School students taking individual honors.**

## "Deep Freeze" Hosted by Jefferson Lab

On Saturday, January 10, New Horizons' Governor's School for Science and Technology hosted its second *Pre-Admissions Series* event for the 2008-2009 school year. More than 275 freshmen and sophomores representing all seven school divisions were treated to a "Deep Freeze" presentation by Steve Gagnon of Jefferson Lab's education department. During the presentation, students explored how the properties of matter change as temperatures approach absolute zero and participated in various liquid nitrogen experiments. To view the experiments, visit the [Frostbite Theater](#), a collection of science videos produced by Jefferson Lab.

