



The Kennedy STEM Spotlight

November 2, 2015

STEM Events at Kennedy Middle School

Chemist, Dr. Walter, Visits Kennedy!

To make a connection with our sixth grade's light wave and electromagnetic waves unit, Dr. Walter from the UNCC chemistry department came to Kennedy on October 21.

He shared a presentation on solar power and how we can capture the energy from the sun to serve as power for our homes and buildings.

He then brought materials for students to create their own miniature solar cells using the blackberry fruit. Yes, blackberries. Students worked together to create a powerful solar cell and tested it with the light from an overhead projector.



Science Olympiads

Congratulations to our new Science Olympiad team!

These students will be preparing for a March 12 tournament where they will compete in various testing, designing, experimenting, or building events.

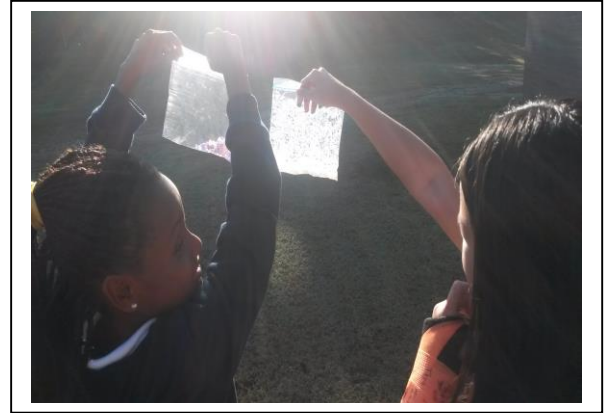
Good luck team!!!

6th grade:

Paula Argales, Taylor Cyr, Nate Weaver, Steven Montufar, Brayden Kauffman, Elijah Borja, Tien Loi, Jacob Vergara, Owen Osborne

8th grade:

Taina Rosado, Victor Romero, Alex Weaver, Eint Myo,



STEM Spotlight in the Classrooms

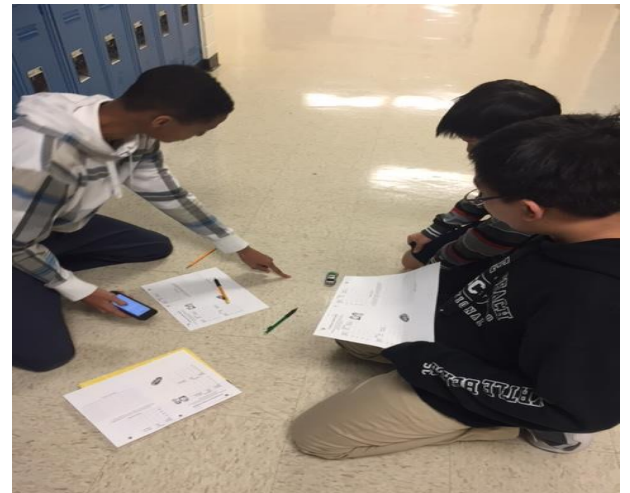
Sixth Graders Ride the Wave!

Students in 6th grade are currently exploring waves and energy. For light waves, students investigated water prisms and how white light can be separated into the colors of the rainbow. Students were also able to see the effect of UV rays on our skin by using UV beads outside.

For sound waves, students explored how sound travels using tuning forks and water.



Ms. Case's 7th Grade Investigating Force and Motion



Ms. Robles's 8th Grade Designing Water Turbines



STEM Field Trips

National Manufacturing Day at Olympic High School

October 2 was National Manufacturing Day and our TSA members and 7th and 8th graders were invited to Olympic High School to participate in hands-on engineering activities. Olympic has an extensive manufacturing and technology center that has been possible through local company, Bosch-Rexroth. Here, students were able to program 3D images, create their initials using wood and nails, listen to the First Robotics Team talk about their competition and robot, tour the facility, and make solar cell bugs using batteries and solar power!

STEM Day at UNCC

On October 12, our sixth grade STEM students took a field trip to UNCC to learn more about possible STEM careers. During their trip, students rotated among several booths with focuses on nuclear energy, rocks and minerals, chemistry, biotechnology, engineering, and much more!

Students learned more about radiation, the cost of engineering, and even how soybeans can be used to create vaccines. Some presenters had hands-on learning experiences in which students to part. Check out the pictures below!

Kennedy's STEM Habits of Thinking

We encourage our students to apply these habits of thinking in all of their classrooms.

These are also skills and habits that people from a variety of careers exhibit on a daily basis.

Inquire

Collaborate

Investigate

Innovate

Design

Reflect

Upcoming Events

Nov. 6: Duke Energy Conservation Crew presentation (6th grade)

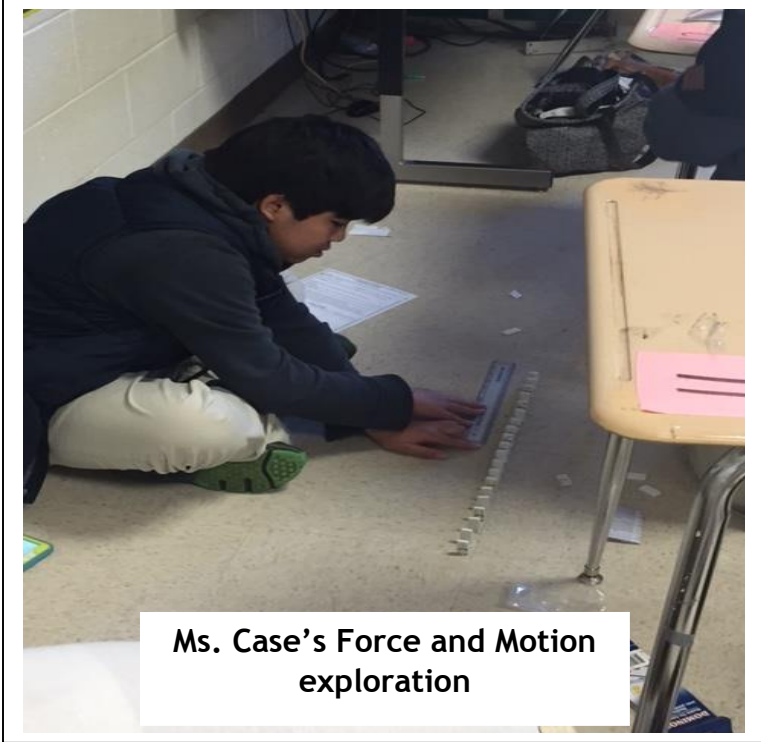
Nov. 13: Drew from The Hunter Creative-Graphic Design presentation (6th graders)

Nov. 16: IT Presentation and Coding activity 7th and 8th graders in Ms. Johnson's CTE class

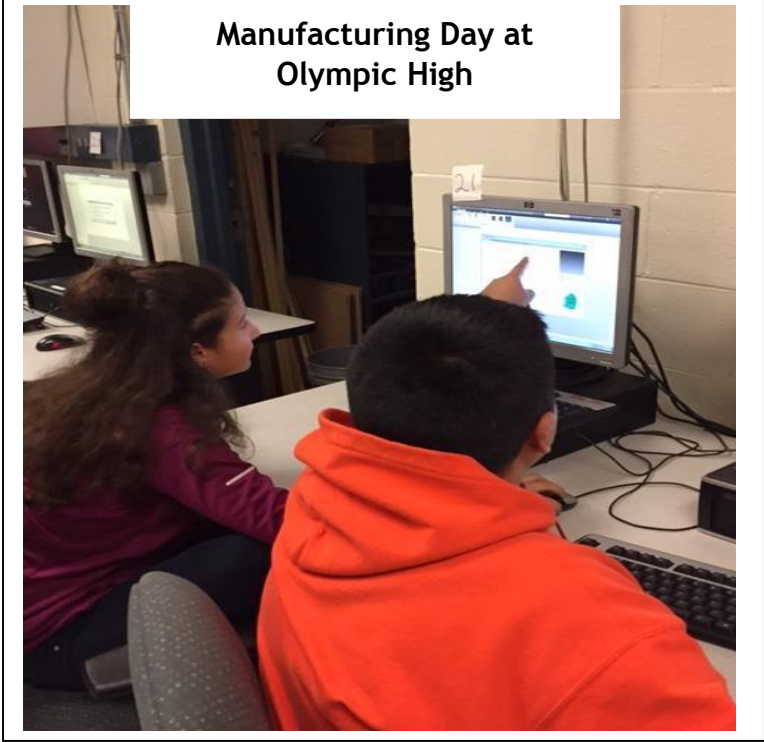
Nov. 17 and 18: BASF Chemical Field Trip (8th grade)



Photo Gallery



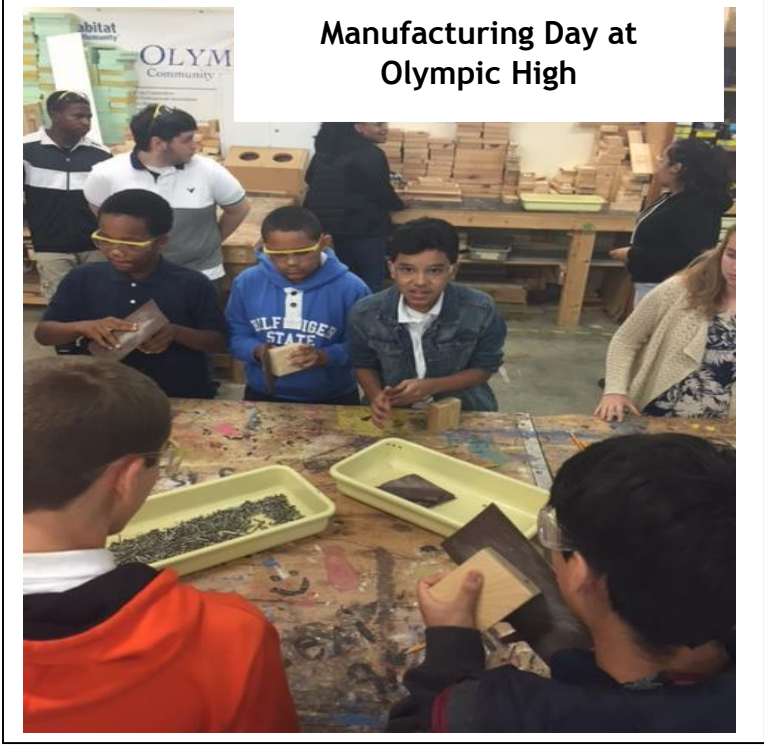
Ms. Case's Force and Motion exploration



Manufacturing Day at Olympic High



Manufacturing Day at Olympic High



Manufacturing Day at Olympic High

Photo Gallery

Solar Cell Creation with Dr. Michael, UNCC



Solar Cell Creation with Dr. Michael, UNCC



Solar Cell Creation with Dr. Michael, UNCC

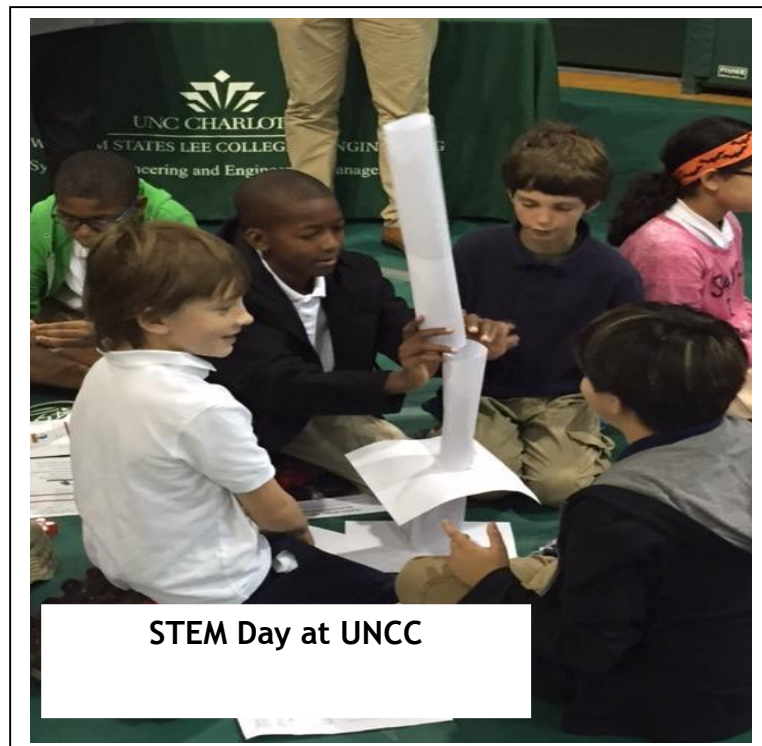


STEM Day at UNCC

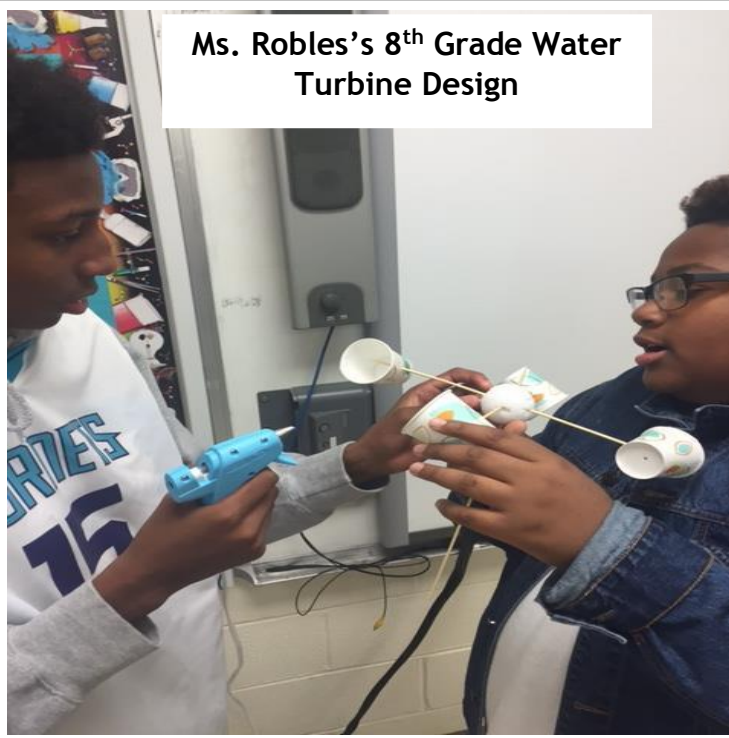
Photo Gallery



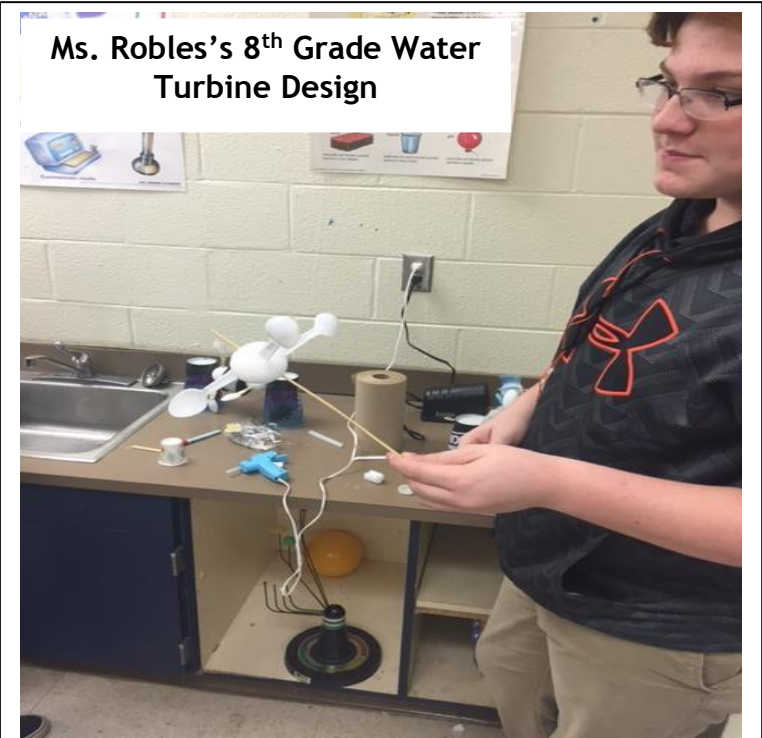
STEM Day at UNCC



STEM Day at UNCC



Ms. Robles's 8th Grade Water Turbine Design



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