

What are we **doing** in class?

Algebra 2: Married Math Project Deadline is September 14th.

Facilitator: Josh Giebel

Geometry: We are striving for accuracy this week by learning how to construct shapes rather than simply draw them. We are working in Geometer's Sketchpad to make dynamic squares and triangles that always behave as squares and triangles no matter how we manipulate the vertices.

Facilitator: Stephanie Sharick

Pre- Calculus/Trigonometry: We are learning about how to model different real world situations with functions. Currently, we are trying to model the behavior of crows dropping whelks to break the shells for food. We want to know if this is an example of optimal foraging. To help answer this question, we had a lot of fun setting up an experiment and dropping peanuts from different heights to break them.

Facilitator: Stephanie Sharick

Geometry/Introduction to Engineering (IED): We launched our puzzle cube project last week. Students are trying to create a puzzle toy that will help kids learn something about geometry. On Friday, the students visited Imagination Station, a toy store in downtown Columbus where they will hopefully be able to sell some of their completed puzzle cubes. Students are now working on sketching ideas and precisely measuring quality for the Toy Puzzle for Imagination Station

Facilitators: Stephanie Sharick and Nicole Otte

Principles of Engineering (POE): Students are currently contacting and interviewing engineers in their respective engineering career fields.

Facilitator: Nicole Otte

Physics and Integrated Chemistry and Physics (ICP): Students are working on building cardboard boats for the boat races on 9/22 at Northside Middle School.

Facilitator: Gail Nowles

Social Justice: Just started reading Fahrenheit 451 and studying the First Amendment! Students got **FIRE**d up about their freedoms and the novel. They went above and beyond on assignments!

Facilitators: Katie Ferguson and José Martinez

Environmental Science: They are working on the project Beta Data. They are collecting data for an energy audit of CSA.

Facilitator: Cinde Wirth

Biology: They have been learning Habitat Analysis in order to complete their project, Catch Me If You Can.

Facilitator: Cinde Wirth

Chemistry: We are finishing a project called CSI at CSA where we are investigating a client's kitchen powders in a poisoning case. (Based on true story!) We have had correspondence and a personal visit from the client, who is gladly recovering from what appears to be an overdose of potassium chloride.

Facilitator: Lisa Porter

Integrated Chemistry and Physics (ICP): In Integrated Chemistry and Physics science those students working with me are designing a tour for the Columbus Area Visitors Center. Mrs. Frey, the Visitors Center associate director, introduced the project as our community partner, and is anxiously awaiting our tour offerings to add to their website. We will be using actual walking data, GPS, Google maps, graphs, and mathematical problem solving to give her an interesting, reliable product.

Facilitator: Lisa Porter



How are your students **persisting**?

“Students in my class are being persistent by displaying a top notch work ethic in PE doing 20:00 cardiovascular sessions in PE. They are doing awesome, and being outside enjoying the lovely weather.” Andy Glover

“All my (Algebra II) students showed great persistence as they worked to understand step functions and their behaviors!” -Josh Giebel

“Thank you for being persistent throughout your math careers so that we can have Calculus at CSA!” -Josh Giebel

“(Social Justice) definitely was persistent when arguing their rights!” -Katie Ferguson



Shout outs!

“Sami Noble was the first to successfully construct a square, and she then did an awesome job of helping other students with their constructions!” -Stephanie Sharick, Geometry

“Sean Crawford, Jessica Elifritz, Andrew Moore, McKinley Royalty” -Katie Ferguson and José Martinez, Social Justice

“To my entire Calculus class!” -Josh Giebel

“To Sean Crawford and Drew Burnside for persisting in their learning. When they were finished with some sketches, they persisted on and asked to extend their learning through some advanced sketching!! Derek Gregory was persistent with his need to know about the 3D Printer. He stayed after school, and went through the training with me!!” -Nicole Otte, Introduction to Engineering (IED)

“Advitya Khanna persisted in his engineering interview and research paper, by turning in a rough draft of his paper five days early!!” -Nicole Otte, Principles of Engineering (POE)

“To Melissa Crider for making this ROCKIN’ newsletter!” -Josh Giebel, Mathematics

“Ian Hales read an entire 13 page peer-reviewed journal article on Integrated Natural Resource Management before class started and then summarized it for the group he was working with. It was very exciting watching him take a piece of technical literature, usually read by graduate students, and interpret it on the spot. Way to go Ian!” -Cinde Wirth, Environmental Science

“To Adam Barrows, Kyle Fathauer, Tori Kingdom, Sean Crawford, and Jared McCray for stellar investigative work in determining conclusively, from unique chemical experimentation, what Mrs. Pendleton’s poison is, and for thorough presentations, complete with photos and data, of that information in their peer review!” -Lisa Porter, Chemistry

“To the whole group for their nearly 100% attendance so far in the project!” -Lisa Porter, ICP

September happenings

S **Thursday, September 8th, 2011 (4:30-7:30).** CSA's Second Annual Family Night! This is a **MANDATORY** event. All students and at least one guardian needs to make an appearance at some point during the night! All seniors along with their parents should plan to meet in the MPR with Mrs. Wetherald from 6:30 - 7:00 on September 8. She will be sharing information about the college application process.

Friday, September 9th and Saturday, September 10th: The Biolit class will travel to Deam Wilderness for an overnight survival trip. The bus will leave at 8:45 on Friday and return to school on Saturday at noon. Address questions to Mr. Larson or Mrs. Antcliff

September 9th, 2011: Registration Deadline for October 1st SAT. Offered at North and East High Schools

September 10th, 2011: ACT test for those who registered in August. Test will be taken at East

September 16th 2011: ACT Registration Deadline for October 22nd test. Test offered at East

