

Observing Life Through SCIENCE

Students learn periodic table, study stoichiometry, build roller coaster models

Students in biology, chemistry and physics participated in numerous labs, projects and collaborative work.

While in biology and chemistry, students learned about the structures of life and various properties of elements on the periodic table.

"Biology is the most relatable science," biology teacher Corey Solitaire said. "It's at a good point in people's lives where they need to start learning about biology. The first year of high school is a good time for that."

Chemistry was full of equations and formulas that helped determine the identification of substances.

"The unit I liked most was stoichiometry," sophomore Gabriella Ramirez said. "It involved a lot of the math skills that I've learned

throughout the years, so it was pretty easy."

In Physics, juniors learned more in-depth about gravity, forces and magnetism through many projects throughout the year.

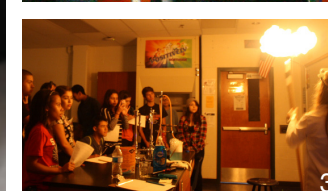
"My favorite project was the toothpick bridge because I got to create a bridge that could hold 15 or more pounds," junior Naomi Gonzalez said. "I made a sketch first, then placed wax paper over the sketch to serve as a guide for building the bridge."

Roller coaster projects built from paper taught students how potential energy is converted into kinetic energy. Each roller coaster required at least 10 obstacles, and models varied, based on students' creativity.

"I thought it was super cool and such a fun learning experience," junior Natilie Noriega said.

Leaning tower of PIECES

1. Coaster Time. Junior Amaya Jackson constructs a paper roller coaster durable enough to withstand a marble ride. *Photo by Desiree Lopez*
2. On a Roll. Putting the finishing touches on their roller coaster, juniors Melody Cantu and Marisol Garcia complete trial runs before they turn in the assignment. *Photo by Desiree Lopez*



MIX & MATCH

1. Combining Compounds. Sophomores Alessandra Hernandez and Silvia Nevarez mix the mystery substance with another liquid. *Photo by Anajulia Corona*
2. Flame On. Using the striker to light up the Bunsen burner, sophomore Christian Urdiera tests different solutions soaked on a piece of paper to observe a change in the color of the flame. *Photo by Nickolas Murphy*
3. Light Up My World. Observing a demonstration on carbohydrate and fire, Chemistry teacher Staci Conolly's class observes the fire disappear when it touches the ceiling. *Photo by Desiree Lopez*

what was your FAVORITE? LAB ACTIVITY



"My favorite lab was when we separated the DNA from the strawberry, since it was challenging but I had fun."

— Cesar De La Cerda
freshman



"My favorite lab this year by far would be the flame lab because it was cool to see the different colors the flame would turn."

— Roger Carreon II
sophomore



"My favorite lab activity was using different elements to create different fire colors. It was cool how each element made a different color."

— Ngoc-Vy Tran
sophomore



"My favorite lab is the balloon rocket lab because it was challenging but fun to do."

— Karina Escobar
junior

WHO IS YOUR FAVORITE SCIENTIST?



"My favorite scientist is Albert Einstein because he created important scientific formulas we still use today and has led the way to bigger and better ideas in science."

— Christian Samarripa
junior



"My favorite scientist is Charles Darwin because he impacted the way we think today. He developed the theory of evolution and helped everyone better understand the world."

— Alana Ochoa
sophomore



"My favorite scientist is Louis Pasteur because he created vaccinations for many fatal diseases such as smallpox, anthrax, and many more."

— Craig Hendricks
junior



"My favorite scientist is Albert Einstein since he's crazy, but he's really smart at the same time."

— Rebecca Hart
freshman



JUST EN-ZYME

1. Pineapple Fun. Freshman Nayeli Diaz Fuentes observes the reaction of the pineapple when mixed in with other mystery chemicals. *Photo by Aliyah Holmes*
2. Reaction Watch. Analyzing the effects of enzymes, freshmen Camron Aguirre and Carlos Garcia mix them into detergents and cleaning solutions. *Photo by Elijah Adames*
3. Fun with Chemicals. Freshmen Destiny Jenkins and Rio Hernandez take notes of different reactions dependent upon the type of pineapple, such as fresh, frozen, canned or dried. *Photo by Aliyah Holmes*

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