

Career Connected

Career Technical Education Program Spotlights

December 2023/January 2024 – Issue No. 8

Trades Bowl Competition

Construction programs from throughout Fresno Unified competed at Fresno High for the first Trades Bowl Competition. Students competed in various events showcasing electrical, woodworking, and blueprint skills. Students were scored on a range of skills, with a winner announced for each individual event as well as the competition overall.

Overall winner: Fresno High

Electrical: Duncan Polytechnical High - Irene Torres, Ernesto Navarro, and Cristian Rios

Shed and Plan Reading: (3-way tie)

- Fresno High - Cesar Escobedo, Brandon Jones, Sam Mendoza
- Duncan Polytechnical High - Angel Escoto, Alex Sandoval, Diego Bravo
- DeWolf High - Alfonso Ramirez, Christopher Yanez-Perez, Joseph Rogers

Dog House: Fresno High - Mayte Santiago, Natalie Secundino, Aileen Zamudio

Blueprint Challenge: Edison High - Eric Chen, Joshua Bruno, Christian Bolex

Garden Bed: Fresno High - Christopher Meza, Samuel Bravo, Diego Reyes

[Watch some clips from the Trades Bowl Competition](#)

Chicken Walks

Sunnyside High School

Walking chickens on a leash can offer surprising benefits for both the chickens and the students. This unusual yet increasingly popular practice provides chickens with the opportunity to explore their surroundings in a controlled manner, promoting mental stimulation and reducing boredom. For students, walking chickens on a leash fosters a stronger bond between human and bird, as it allows for direct interaction and supervision. Additionally, this activity can contribute to the chickens' overall health by encouraging exercise and providing exposure to natural sunlight.

The Physics of Disney

Hoover High School

The morning of December 7, 2023, 45 students Eco-Tech Physics students, boarded a charter bus for their industry tour to Disney's California Adventures to study the Physics of Disney. Upon arrival, students began with an engaging activity, thinking about their ideal roller coaster. Students were challenged to consider to maintain a theme for their design of their choice. After getting some idea of how hard it can be to "Imagineer" a roller coaster, we headed into the park to experience physics in action. Students had the opportunity to not only observe but to experience hands-on the different physics principles that are essential elements of theme park rides, including potential and kinetic energy, electro magnetism, and forces on systems. The pinnacle experience of the tour was spending time with Disney Imagineers and having the opportunity to test and refine our own roller coaster designs in a hands-on workshop experience.

WET Center Guest Speaker

Patiño School of Entrepreneurship

Eric Hadden, director at the WET Center, presented on incorporating sustainability into business models to the 11th grade business teams as part of a Linked Learning project kick-off. He included historical events that have led to an increased awareness of sustainable practices, generational trends showing the customer base responding to such practices, and general tips on how to do so across industry sectors. He also gave more specific advice and suggestions to each business team on how to build sustainable practices into part of their brand's story.

Visit to Quiq Labs

Patiño School of Entrepreneurship

As part of completing internships with Quiq Labs, the 10th grade students were invited to tour the facility. Students rotated through various stations set up inside the building, learning from various staff about applications of important business concepts such as sales, the importance of teamwork, the role of technology, and interviewing in front of a camera in context. They also explored applications in robotics, VR, video game design, storytelling, and 3D printing.

[Watch a video about the Quiq Labs sophomore internship field trip](#)

Mass Casualty Simulation

Center for Advanced Research and Technology (CART)

The Air National Guard mentored Biomedicine students during a simulated earthquake mass casualty event. All semester students have been learning life-saving techniques including bandaging, CPR, splinting, and IV's. Additionally, they practiced patient transport and charting. During the Guard's previous visit the focus was instruction, but this visit focused on providing students with the best possible real world experience.

Filmmaking Magic at Warner Bros. Studios

Center for Advanced Research and Technology (CART)

Multimedia lab students explored the magic of filmmaking at Warner Bros. Studios in LA. Navigating active sound stages, they delved into the intricacies of movie and TV production. From behind-the-scenes insights on directing and performing to unraveling the complexities of editing and production funding, the trip provided an immersive experience of the multifaceted world of media creation.

Aviation Career Day

Roosevelt High School

Students from the Public Service pathway attended the National Guard Aviation Career day. This day gives students the opportunity to learn about the life of a National Guard. They also learned about a career in aviation and how it is located in their backyard.

Crime Scene Unit

Roosevelt High School

Students arrived to class to find a dead body behind their classroom. The students needed to investigate this crime. They collected evidence and shared their findings. DNA was collected and run in Biology where they wrote up a report.

Stop the Bleed

Edison High School

Students from Edison's senior Biomed course, Biomedical Innovations, were recently certified in Stop the Bleed. As part of their extended learning with the certification, students had to create an educational video teaching or demonstrating part of the training.

All Things CTE

Edison High School

Edison High School's CTE programs visited the regional middle schools and presented to all the 8th grade students. This is an annual event where students and teachers from all of the CTE programs at Edison get to show off all the amazing things their programs have to offer. This happens each year before Edison's Move Up Day where the 8th grade students come to visit the high school campus in preparation for their elective rankings. There were about 60 students each day from Edison CTE programs running informational, interactive, and hands-on exhibits highlighting the pride they have in their programs. There were also representatives from AP programs, Leadership, and CTE Ambassadors. This year, in addition to all of the exhibits, Leadership put on a rally.

Students Share Experiences with The Collegian

McLane High School

McLane's Art Venture program, which produces weekly news segments for the school called Highlander Highlights, had the opportunity to bring students to Fresno State where they met up with The Collegian news reporters and editors. Students excitedly shared their work with The Collegian team and received encouraging feedback. In addition to that, they learned what it's like to be a student news reporter at Fresno State and got useful advice on how to succeed in news reporting and break into the field.

During the visit, the students attended meetings with The Collegian editors and the news staff, giving them a peek into the behind-the-scenes of reporting. They also had the chance to explore the Fresno State campus, getting a taste of college life. The day included a visit to the library (and Starbucks!), bookstore, and fountain, plus a special, chance meeting with a McLane alum. The experience wrapped up with a delicious Greek lunch, creating a memorable and educational day for the students.

The outing not only broadened the students' understanding of journalism but also provided inspiration for their potential futures in media and entertainment. The hands-on experience and personal connections made during the visit enriched their perspective on the exciting possibilities in the field.

Business Students Visit Moss Adams

McLane High School

In a recent partnership with Moss Adams: Accounting, Consulting & Wealth Management, McLane Academy of Finance & Entrepreneurship students visited the firm where they participated in career exploration, job shadowing, and mentoring. Taking part in a tour of the facility with select staff, students were able to learn about the various professional services Moss Adams boasts and the scale of a business that represents diverse clients in numerous locations across the country.

First Responder Winter Camp

The Fresno Unified CTE department, in partnership with the Fresno Police Department, Fresno Fire Department, and National University, hosted a First Responder Winter Camp for 9th-12th grade students. Experiences included interactions with the K-9, Mounted, Bicycle, Helicopter, and Patrol Units and SWAT, CSI, and EOD Teams, as well as experiencing the Emergency Vehicle Operation Course (EVOC), EMS response simulations, and an emergency response scenario with Fresno Fire. Students also had the opportunity to earn industry certifications.

San Joaquin College of Law

Bullard High School

12th Grade Leadership in Law students visited San Joaquin College of Law and toured their campus. Students asked lots of questions and obtained valuable information as they pursue their career interest!

Stop the Bleed Saves Precious Pet

Bullard High School

Nova, Law & Social Justice Pathway student Sienna Castaneda's dog, injured her paw when she accidentally stepped on some glass outside of her house. Sienna saw that Nova was injured. She grabbed a towel and applied the techniques she learned during Stop the Bleed training in 2022 at Bullard. Sienna was able to obtain prompt medical care for Nova and Nova has made a full recovery. Sienna feels that her Stop the Bleed training saved Nova's life and she is very appreciative that she was able to apply the skills she learned in this very important training to save her precious pet!

Law Students Learn About Opioid Addiction

Bullard High School

Junior Law Pathway students heard from Flindt Andersen from Pain Nonprofit Organization. Mr. Andersen provided an in-depth account of drug addiction, with factual and statistical information. Students will use what they have learned and use it for their project-based learning project about drug abuse/use on school campuses. Students shared they found our guest speaker very informative and appreciated the information that was shared.

Excellence in Education

Every year, the District showcases employees nominated by their colleagues through the Excellence in Education awards. This year, four CTE staff and teachers were selected as finalists for the 2024 Excellence in Education award. Bitor Bravo Pena, an Agriculture program teacher at Sunnyside, won in his category.

Finalists:

- Jeff DeLong
Career Education
Coordinator II
- Chuyi Vang
Career Education
Budget Technician II
- Bitor Bravo Pena (winner)
Sunnyside High School
CTE Teacher
[Watch Bitor's speech](#)
- Phil Siechert
Sunnyside High School
CTE Teacher

GameHERS Award Finalist

CTE Coordinator Julie Mavrogeorge was selected as a finalist for the GameHERS Guardian of the Year award in recognition for work done within FUSD and support provided nationally and internationally through her esports programs and the broadcasting, streaming, shout casting, and multimedia opportunities she has provided for FUSD students. The Guardian of the Year award honors an exceptional woman or femme-identifying individual who serves as an extraordinary mentor, teacher, guardian, student advisor, or parent. This accolade celebrates their unwavering dedication to fostering growth, resilience, and success in those younger gamers in their lives who are under their care. Recipients of this award exemplify the transformative impact of selfless guidance, making a profound difference in the lives of young people

FUeL Sports League

Fresno Unified esports League held a fall tournament at Sunnyside. Middle school students played Rocket League, while high school students competed in Overwatch 2, with teams competing for a \$2,500 scholarship and other prizes.

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