



Vol. 1, No. 15, November 2022

Click for the [CREST Parent Group calendar](#) and see all the latest events at CREST and visit our Website - <http://crestparentgroup.org>

Have a question : Please email us at crestparentgroup@gmail.com



MARK YOUR CALENDAR

CREST General Parent Group(CPG) Meeting

- **When:** Tuesday January 17, 2023
- **Where:** CREST Building
- **Who:** All CREST Parents

DID YOU KNOW?

- HOSA vs. SkillsUSA dodgeball tournament

HOSA and SkillsUSA are hosting a Dodgeball Tournament on Thursday, November 17th in the small gym of PVHS from 2:15 to 4:45 p.m. Wear purple to play on behalf of HOSA or red to play on behalf of SkillsUSA! Both organizations will be selling food and drinks, so you can help yourself to those while watching the games for free. \$5 per play and \$2 for buy-backs

- The Trojan Football team finished the regular season with an outstanding 9-1 record, by beating NCHS on Thursday night. They will be playing in the first round of the playoffs this Friday at 7pm, at Notre Dame Prep. Congratulations on a great season and best of luck on Friday!

News Room

Way to go, Paradise Valley High School Senior Cooper Weissman! Applying leadership and financial literacy skills to be a successful entrepreneur!

<https://www.abc15.com/news/region-northeast-valley/scottsdale/paradise-valley-hs-senior-starts-two-businesses>

Marching Band news! Our Pride of Paradise, placed 9th out of 33 teams in the State Championship this weekend. Congratulations to all the students in band and color guard. Great job everyone!

Senior, Lucas Grunden, also placed 9th in the State Cross Country Championships this weekend. Way to go Lucas!

CPG Update

1. Upcoming meeting - **11/15/2022** at **6.00pm**. Please join us in person in the CREST Bldg or on ZOOM - here is the link <https://tinyurl.com/CPG-11-15-6pm>

CPG EXEC will meet at 5.30pm. Please feel to joining in Person as we are still filling a few more positions

2. If you have not yet joined the CREST Parent Group, there is still time! Parents of Seniors, remember that the CPG hosts the Senior Banquet. The members of CPG have access to Discounted Banquet Tickets! <https://crestparentgroup.org/membership/>
3. We appreciate all of the CPG parents' kind donations in the last quarter for our teachers.



Teachers Corner

Bio-Science

Senior Bioscience students completed a full quarter of bacteriology. After assays, they studied how different classes of antibiotics work and performed Kirby-Bauer assays to test antibiotic resistance with the species each team cultured.

Students are now segueing into our epidemiology unit by studying biofilms. They started with a patient case study and diagnosed her with infective endocarditis and are performing a biofilm lab and are challenging two bacterial species with mouthwash.

Attached photos show 2nd block students pipetting bacterial cultures and mouthwash into 96 well plates



Bioscience HOSA was excited to attend the Fall Leadership Conference on November 10th with 84 students!! Thank you to parent chaperones: Sandeep Desai, Michelle Hoerth, and Dr. Tina Lee

Honors STEM Collaborative:

HSC students are finishing up their documents and preparing to Design, Build & Test their projects.

They have come up with a community problem, and a way to solve it. Fun times will be had around the CREST building over the next two weeks as all six STEM classes are working on either their engineering design project, or their scientific investigation project. students are finalizing project budgets and writing their project proposals. The crazy project building, experimenting, and testing is ready to begin! Come see all the HSC projects at their CREST Symposium night (Wednesday, Dec. 7).

Honors Civil Engineering and Architecture HCEA students are finishing up the design of their Habitat for Humanity Home, and are creating scale

models of their projects. In addition, they are working on a project proposal and a poster board that they will use for their presentation night at the CREST Symposium evening (Wednesday, Dec 7)

Engineering

As part of thermodynamics, sophomores designed an environment-friendly insulation and tested it to see how much energy it could retain in an enclosed chamber. In Statics, students experimented with 4 x 8 beams to calculate the modulus of elasticity, beam deflection and weight of their teammates. In continuation with Statics students calculated moments and tension and compression forces in truss members. Students also designed a pin, representing CREST engineering and presented the ideas to the class. Currently teams are building truss bridges which will be tested for the maximum load it can withstand per unit mass of bridge.

Seniors continue to work on their capstone projects. After completing the theory that goes into the design of solar ovens students mathematically modeled a solar oven and built it. The ovens will be tested for the performance index based on predicted and actual one temperatures and cost of the oven. A biomedical engineer spoke to the students about good practices going into college and biomedical research.

A team from the Mining Engineering department from UoA presented to sophomores, juniors and seniors about opportunities in Mining Engineering and did an activity with copper electroplating.

IMPT Message from Principal :

This is critical information. We currently have over 800 students who have not had their emergency contact information updated. It is all done online and only takes a few minutes. However, it is critical that we have updated information for your child in case of any emergency. Please login to [this link](#) and make sure you have updated your information. Even if nothing has changed, you need to verify and “sign off” on the update. Thank you on behalf of your child’s safety.

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