



Vol. 2, No. 3, October 2017



## MARK YOUR CALENDAR

### CPG General Membership Meeting

- **What:** CREST College and Career Night
- **When:** Monday, October 23, 2017 6:00pm
- **Where:** Media Center
- **Who:** All CREST parents and students interested in learning about the college application process from Mrs. Glady, CREST Internship Coordinator.

### The Digipen Institute of Technology

- **What:** Specialists in video game design will be at CREST for two presentations. If students are interested in attending, sign up with Mrs. Glady.
- **When:** Oct. 20th at 12:00pm and 12:40pm.

### PVHS College and Career Fair

- **What:** Approximately 25-30 schools will be represented. Come and Learn about the great opportunities these schools have to offer.
- **When:** November 1, 2017 from 10:30am – 1:00pm
- **Where:** Outside in the Mall area, near the covered picnic tables and auditorium
- **Who:** Any interested student. Parents can come but need to park in the West Campus Parking Lot and sign in AND out at the table set up for parents.

*Click for the [CREST Parent Group calendar](#) and see all the latest events at CREST.*

## DID YOU KNOW?

CPG News and the Crest Parent Group website both periodically post student scholarship and summer program opportunities. Be sure to read the information included in this Newsletter under Community Connections or access the [CPG Website](#).



CPG

Update



Dear CREST families,

Can you believe we are already more than 2 months into the school year? Time flies when you are having fun! I'm not sure about your family, but we have finally settled into a routine and we are also starting to enjoy the cooler mornings and evenings.

My name is Pooja Babbar and I'm currently serving as the Vice President of the CREST Parent Group. In my role I do several things: First, I'm focused on membership recruitment and I continue to work to reach our goal of 100% membership. In that regard, we are very close to our goal so if you know of any families who are not yet members - please get them to sign up! We would love to make sure ALL of our CREST families are getting this newsletter and all of the great information we have to share about the program. I'm also the CPG representative for the PVHS PTO and

attend the broader PTO meetings on a monthly basis. Finally, I do whatever I can to support our amazing board members in any way possible.

This is my second year being involved with CPG and I have never met a more wonderful group of parents and staff than the CREST team. My daughter is a Sophomore in the Bioscience track and we have been so impressed with the program. There are so many amazing opportunities that she has been exposed to even in her short time in the program and I can't wait to see what the next few years hold.

Finally - I just want to say THANK YOU for becoming a member of CPG and supporting your students through their High School journey. We have a Senior at another school and I can't believe how quickly the time has gone - it feels like just yesterday she was a young freshman. I know the next 2 1/2 years here at CREST will fly by as well and I'm grateful to have such a great group of parents, students and staff by my side in this journey!

Best Regards,

Pooja

## CREST T-Shirt Contest Underway

Every two years a new t-shirt design is selected from entries submitted by our students. All entries are due by December 1 and should be submitted to Mr. Howardell. The voting process will begin shortly after.



## STAY CONNECTED



**Follow CREST on Twitter.** For news from the CREST Program about CREST student accomplishments and timely information, follow PVHS CREST on Twitter @pvhscrest.

## STUDENT NEWS

### National Merit Award Winners



Congratulations to Senior, Ryan O'Hara for being named a National Merit Semi-Finalist. This is a huge honor and a testament to Ryan's hard work and dedication to his studies. Ryan scored in the top 1% of the 1.6 million students that took the NMSQT/PSAT last year. Congratulations Ryan! PVHS is proud of you.

PVHS also had seven other students earn National Merit Commended status this year. This is also quite an honor and accomplishment. Those students scored in the top 3% of the country on the NMSQT/PSAT. Those students are Morgan Fox, Noah Fox, Danyon Gedris, Kesav Kadalazhi, Paolo Porto, Hayden Rheinfelder and Zachary Rolfness. PVHS is proud of you.

### Parent Chaperone's Needed

Field trip season is upon us and we will be in need of chaperones soon. The district has changed the process for chaperone approval; I have attached the instructions below.

Every chaperone/volunteer must repeat the process annually, even if the chaperone is a district employee

and/or certified teacher. The current turn around time for continuing applications is ~2 weeks.

HOSA will need ~4 chaperones (1-2 males) for the FLEX conference 11/8/17 from approximately 8am-5pm. Please notify Michelle Landreville if you are willing to chaperone AND to confirm that you are an approved 17-18 candidate. The district will deny our field trip paperwork if the listed chaperones are not preapproved.

Thinking ahead, HOSA will also need 2-3 (1-2 males) chaperones for the 3 day State Leadership Conference in Tucson at the Westin LaPaloma resort 4/2-4/4/18.

Freshmen and Juniors are hard at work on their semester projects.

Skills USA is in full force. Meetings are held on Thursdays after school for all interested students.

Fall Leadership Conference is October 16 at the Phoenix Convention Center, 7:30 - 4:00, and sign-ups are available now. We may be looking for chaperones. Anyone interested can contact Mrs. Setton. You will need to make sure that you have the updated form on file with the main office.



## Alumni Corner



Hello. My name is Julia Lisk and I was part of the CREST graduating class of 2017. When I first entered the doors of the CREST building, I had no clue what I wanted to major in, let alone my career path. I had always been

interested in science, but that ranged from marine biology to botany to astronomy depending on the month. Entering the Bioscience program, I had no idea what to expect except for, well, science!

My first spark of inspiration came from my Cell Biology class in sophomore year with Mrs. Landreville. Despite feeling a bit disorganized, I loved learning about GMOs, working with plant tissue culture, and, of course, the very delicate Wisconsin Fast Plants. It wasn't until my Junior year that I deeply thought about my career goals and settled on plant and environmental sciences. From there, I worked with Mrs. Gladly to land an internship at the University of Arizona Maricopa County Cooperative Extension in Central Phoenix. There, I worked with Dr. Ayman Mostafa and other faculty in the area of pesticide research. This not only allowed me to expand my

agricultural knowledge, it also offered a ton of hands-on experiences (such as going to Maricopa to sample corn leaves at 6 A.M.!). In the end, I not only learned more about agricultural sciences, but also how to conduct myself in a professional setting.

Following my internship summer, I still had one more year of high school. Microbiology with Mrs. Landry was one of my most memorable CREST classes, especially the epidemiology unit where we spent a lot of time learning how diseases are identified and reported to the public. In the end, I felt like this knowledge would one day play an important role in my career.

Once I was finally applying to colleges, I knew what I wanted to major in, and I knew how to market myself as a valuable resource to the colleges I applied to, another skill I developed at CREST. I am currently majoring in Agricultural and Biosystems Engineering at the University of Arizona and I am part of the Honors College as well as the Society of Women Engineers (SWE). In the near future, I intend to minor in Public Health at the UA and apply for the Collegiate Leaders in Environmental Health (CLEH) Internship at the CDC. I feel very prepared for the road ahead of me thanks to the skills and subjects I learned in the Bioscience program at CREST. Thank you!

### Bioscience Alumni News

News from past Bioscience students can be found on Mrs. Landry's [blog](#).



## Community Connections

### Looking for the Next Generation of Cancer Researchers



Enter the Emperor Science Award program for a chance to work with a mentoring scientist to explore the world of cancer research.

The 2018 Emperor Science Award program is committed to helping all students that have a passion for science join the next generation of cancer researchers. Through this

award program, 100 winning students from across the country will be paired with a university-level mentoring scientist to collaborate on a cancer research project. Students from all backgrounds are encouraged to apply.

Whether a research project is conducted virtually, or in a lab, students will be able to connect with their mentors to develop valuable research, organization and communication skills! Due to varying laboratory restrictions, hands-on lab experience cannot be guaranteed.

**Why ENTER?**  
The program offers students in grades 10-11 an opportunity to build mentor relationships, work on an important cancer research project and create valuable experiences for an educational resume.

**What WILL YOU WIN?**  
100 students will be paired with a mentoring scientist or team to collaborate on a cancer research project. Plus, students will receive a Google Chromebook to help facilitate communication and \$1500 for project expenses.

**How DO I ENTER?**  
• Talk to your teacher & check out the resources below.  
• Complete your 750-word essay and related questions in the application form.  
• Submit your application before Wednesday, November 1, 2017.

\*Research projects will be conducted as early as April 1, 2018 and conclude no later than September 1, 2018.

## Generation Nano: Superheroes Inspired by Science

Scholarship Opportunity! Generation Nano: Superheroes Inspired by Science! – Open to 6-12th graders

The [National Science Foundation's](#) Create-Your-Own science superhero competition. Students compete for a chance to win cash prizes and a trip to Washington, D.C. to present at the [2018 USA Science & Engineering Festival](#). They can enter individually or in teams of 2-3 and use science or engineering to create a unique superhero. They then tell their hero's story in a short comic or video. Submissions accepted Sept. 18, 2017 – Jan. 8, 2018.

See [nsf.gov/GenNano](http://nsf.gov/GenNano) for more information, and follow us at #GenNano. Questions: email [gennano@nsf.gov](mailto:gennano@nsf.gov).

## Regeneron Science Talent Search

The Regeneron Science Talent Search (Regeneron STS), a program of Society for Science & the Public (Society) is the nation's most prestigious science research competition for high school seniors. Since 1942, the Society has provided a national stage for the country's best and brightest young scientists to present original research to nationally recognized professional scientists.

As the new school year approaches, we thought you might know a few students with great research project (from any year of high school) who deserve to be recognized for their work, and might be interested in a top prize of \$250,000. Interested students, and teachers, should [sign up here](#) to learn more.

The application opens on August 1, and will remain open until November 15, 2017 at 8pm ET. Three hundred

entrants will be named scholars and will receive \$2,000 each; 40 finalists will be named, awarded \$25,000 each, and will be invited for a week long competition in Washington, DC in March of 2018. Check out this [story](#) on last year's top winner, Indrani Das, and the [highlights video](#) from 2017 to learn more about the amazing top 40 finalists—teens who are future leaders in STEM fields.

We hope to see your students apply this fall to the 77th Regeneron Science Talent Search.



## High School Visitation Day at the 2017 BMES Annual Meeting

The Biomedical Engineering Society (BMES) is inviting junior and senior high school students from traditionally underrepresented backgrounds in science and engineering to apply to attend High School Visitation Day at the 2017 BMES Annual Meeting in Phoenix. Those accepted will receive a free one-day registration, lunch, and compensation to cover transportation and/or parking at the convention center on an as needed basis.

The benefit for a junior or senior high school student to participate is to broaden awareness of the biomedical engineering (BME) collegiate path and science, technology, engineering and math (STEM) discipline to high school students from schools that might not have a STEM curriculum. Students will have the opportunity to connect with biomedical engineers, students, faculty, and industry and get exposed to the biomedical engineering field and potentially share projects they are working on related to life sciences (biology, chemistry, biotechnology, healthcare), biomedical engineering or bioengineering.

- Thursday, October 12, 2017, 9:00 am - 5:00 pm
- BMES Annual Meeting at the Phoenix Convention Center
- Sign-up: Deadline is 9/19/17

<https://bmesociety.wufoo.com/forms/ril4iet1h2q6mo/>

## Seniors Exploring Engineering at Purdue (SEE Purdue)!

This program is geared toward young women in their senior year of high school who have an interest in engineering.

- Date: Monday, October 16, 2017
- Time: 8:00 a.m. – 4:30 p.m., Eastern Time
- Place: Purdue University Campus

Please visit: <http://www.purdue.edu/WIEP> and look under the “Events” tab for further information or to register online to attend!

**Phoenix Sister Cities** would like to make you aware of an incredible opportunity of intercultural exchange for your high school sophomores and juniors! The award-winning Youth Ambassador Exchange Program is a six-week reciprocal summer exchange to any one of Phoenix’s ten international sister cities. Last year, 26 teenagers from 17 Valley high schools participated in this life-changing program.

An all-access **Preview Night** is scheduled for **Monday, November 6th** from **6:00pm-7:30pm** at the **Phoenix Council Chambers** where interested students, parents, teachers, and community members can meet program alumni and hear all relevant details regarding program participation prior to applying.

The program application is due **January 12, 2018** and **scholarships are available!** Once admitted, youth ambassadors undergo a series of trainings to develop their leadership, protocol, travel, and public-speaking skillsets to become the best representatives for the City of Phoenix. The youth ambassadors are then paired with an international counterpart, whom they live with for three weeks in June. Come July, all students from all participating countries are received in Phoenix to experience a variety of hosting activities and the American teen lifestyle.

Please share this opportunity with your students! In-class/club presentations from Phoenix Sister Cities staff are also an option should this be of interest to you. More information, including the application and nomination form, can be found here:

<https://www.phoenixsistercities.org/youth-ambassador/>

Contact Mrs. Landry if you have questions about this opportunity.



## Supporting CREST

Families and friends can help support the CREST Parent Group and student organizations (HOSA, Skills USA (Engineering), and Skills USA (Computer Sciences)) with donations and tax credit donations. For more information or to make a donation please visit the CPG website and remember to please consult a tax advisor for questions regarding tax credits:

<http://crestparentgroup.org/donate/>