



Vol. 2, No. 4, November 2017



MARK YOUR CALENDAR

CREST Parent Group General Membership

Meeting

- **What:** Monthly CREST Parent Group (CPG) board meeting
- **When:** Monday, November 20, 2017 6:00pm
- **Where:** CREST Building
- **Who:** All CREST parents interested in volunteering on the CPG Board

ASVAB Career Exploration Assessment

- **What:** The ASVAB Career Exploration Program is a no cost, federally-funded, comprehensive career planning resource. It consists of the ASVAB (Armed Services Vocational Aptitude Battery) test, an interest inventory, and a career exploration tool. This program can help young adults identify and explore potentially satisfying occupations and develop effective strategies to realize career goals. If students are interested in attending, sign up with Mrs. Gladly.
- **When:** December 5, 2017, 12:00pm-3:00pm
- **Where:** Media Center
- **Who:** Students

I Want to Go to College...Now What?

- **What:** A College Prep information session with Mrs. Beth Gladly, internship coordinator on our CREST staff. Mrs. Gladly was previously the college and career specialist for Paradise Valley High School and has a wealth of knowledge in the college planning arena. She will be offering

her expertise to CREST families at this CPG-sponsored event. Topics she will be covering include the process for selecting and preparing for college; this covers everything from narrowing your choices to affordability. She will also be discussing what selective colleges and scholarships look for in an applicant.

We offer this event once a year in the fall to best serve our juniors and seniors, however, freshmen and sophomores are welcome to attend. Please look at your calendars and let us know if you and your child can join us! Please RSVP to crestparentgroup@gmail.com

- **When:** November 27, 2017 at 6:00pm
- **Where:** Media Center
- **Who:** Any interested students.

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-

It's hard to believe November is here! The holidays and finals will soon be upon us. Like myself, some of you may be starting to tour colleges; getting a feel for what is available to your students. Your mailboxes, both electronic and traditional, are filling up with university marketing materials and pleas to join their brand. It can be truly overwhelming at times! Does my child want to go out-of-state, what can we afford, is it too soon to start this process, what are the differences in all of these entrance exams?

Because our CREST students are typically in high demand, it is very important that you understand the timeline and what to expect. Some colleges require way more than grades and test scores. Does your student have the right number of club memberships and volunteer hours? Do they know how to write a winning essay? Luckily, we have Mrs. Beth Glady, internship coordinator, on our CREST staff. She was previously the college and career specialist for Paradise Valley High School. Mrs. Glady has a wealth of knowledge in the college planning arena and has offered her expertise to CREST families at a CPG-sponsored event later this month. We will be meeting on Monday, November 27th at 6pm in the media space.

Please look at your calendars and let us know if you and your child can join us. We offer this event once a year in the fall to best serve our juniors and seniors, however, freshmen and sophomores are welcome to attend. Please RSVP to crestparentgroup@gmail.com so that we know how many to expect.

Best-

Lisa Lisk

CPG President

Trojan's Treasures Online Auction

The CREST Parent Group would like to send a huge shout out to the following parents who secured or donated items for the upcoming Trojan's Treasures Online auction.

Pooja Babbrah, Dacun Banks, Todd Giorzza, Tracy Lemeo, Micheal Gorton and Julia Keffer, Mac McGraw, Terri Morrison, Kelsea and Chris Patton, Joe Ricciardi, Ann Marie Rixford, Lisa and Brad Wagner and Amy Wylie.

We are so grateful for your support! The Trojan Treasures Online Auction will take place November 10-21. Mark your calendars and stay tuned for more information. These auction packages are IMPRESSIVE and you do not want to miss out! Plus this is one of CPG's largest fundraisers to benefit the students and teachers at CREST.

Click on this link to access the online auction website:
<https://www.32auctions.com/2017PVHSTrojanTreasures>

STAY CONNECTED

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

THANK YOU from PVHS PTO!

Thank you so much to all the parents who donated candy and snacks for our wonderful staff in October. We had over 15 student volunteers help us fill 400 goody bags to celebrate "Friday Fall Favorites". We couldn't have done this without your help. Thank you for helping us show our staff how much we appreciate them.

CREST T-Shirt Contest Underway

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



STUDENT NEWS

Parent Chaperone's Needed

Field trip season is upon us and we are in need of chaperones. The district has changed the process for chaperone approval.

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.

Regarding HOSA, please reach out to Mrs. Landreville 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. We will also need SKILLS USA and Robotics chaperones in the spring.

T-Gen Tour

The sophomore Honors Cell Biology Class toured Translational Genomics (T-Gen) on Septmeber 27th. Students visited pancreatic cancer labs, the Center for Rare Childhood Diseases, and the Proteomics lab. Students learned about the mission of T-Gen as well as a number of non-lab careers needed by the organization.



Engineering Seniors completed their solar oven designs and experiments. They are continuing to work on their senior projects before learning about Big Data and Quality Engineering Management.

Crest Juniors are also working on their big projects and last minute shopping lists. 3D printing is in motion, and a little sawing and drilling have also begun:)

The sophomores in the engineering strand are learning Statics and refining their math skills by solving forces in truss systems. They will complete the unit by testing material properties using compression and tension to determine the failure point of different materials in multiple configurations.

Freshman Honors Stem Collaborative students have investigated a problem, designed a solution; developed a budget and timeline. They are beginning to create prototypes and interact with stakeholders.

Crest Freshmen are working diligently on finding a problem, researching the problem, coming up with a solution, designing and building. They are now on the design and build phase, just finishing up with shopping lists and any last minute items they may need.

VEX/SkillsUSA robotics meets on Mondays in Startech room 10 and is looking for some more members to help out before our first competition in January.

First Tech Challenge

First Tech Challenge, or FTC, is a new club focused on teaching STEM principles by solving complex challenges using robotics. In FTC you will have the opportunity to learn engineering, electrical, and computer science principles and apply them, building robots from scratch to participate in a challenging game. This year's game is called Relic Recovery, and involves sorting blocks into specific patterns to score points while you and your alliance partner work to defeat the other team.

All students are welcome and no previous knowledge is required to get involved. The FTC team meets every Tuesday and Wednesday in Mr. Vivers room after school from 2:10 PM to 4:00 PM. We'd love to have you come join us for a meeting if you're interested in engineering and robotics. Join us for our 2017-18 build season!

Message from Computer Science:

The AP Computer Science class is doing well, exceeding expectations. They have mastered an introductory course in machine learning and artificial intelligence (something only universities such as MIT, Stanford, and Carnegie Mellon offer).

The students are now able to solve practically any problem in any field by designing a neural network (the same technology that Google, Amazon, Netflix, etc. are using).



Alumni Corner



Bennett Harnisch

Since graduating from PVHS this Spring, I've had the

opportunity to travel abroad to Germany, Austria, and the United Kingdom. It had been a long-standing desire to travel to such historic destinations, and I realized that the summer between High School and University was my best shot to make it happen. With some help from family and friends, I was able to organize a two week+ trip, hopping on and off the railways, to see Berlin, Vienna, Munich, London, and much, much more. It was an incredible experience and one that will influence me for years to come. Currently, I am attending Embry-Riddle Aeronautical University studying Aerospace Engineering, and I am a Cadet at the Air Force ROTC detachment here. My experiences at CREST have helped me immensely, whether they be the required AP courses which put me ahead, or the hands on engineering experience provided by the classes and internship, which have prepared me for the Engineering environment. I am extremely happy and proud to have participated in the program.

Bioscience Alumni News

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



Community Connections

National Society of High School Scholars Opportunities

NATIONAL SOCIETY OF HIGH SCHOOL SCHOLARS



NSHSS SCHOLAR'S JOURNAL | FALL 2017

JOHNS HOPKINS UNIVERSITY

summer PROGRAMS AT
JOHNS HOPKINS

JHU Pre-College Program: Unleash your Potential

Accomplish your goals, whether you're looking for university credit or just want to discover your passion. Johns Hopkins University offers two undergraduate-credit-granting programs: Discover Hopkins and Summer University. Johns Hopkins Summer University is your chance to put Hopkins' undergraduate programs—and yourself—to the test before applying to college. Discover Hopkins Programs are intensive programs designed to expose you to topics from different perspectives.

[VIEW DETAILS](#)

FLORIDA STATE UNIVERSITY INTERNATIONAL PROGRAMS



FSU: Study Abroad Programs Around the World

Students at Florida State University are presented with many globally-focused opportunities, including studying abroad through FSU International Programs. Florida State has over fifty international programs through which you can pursue a range of liberal studies or major-specific coursework. It is never too early to start thinking about including an international experience in your college career.

[VIEW DETAILS](#)

SCHOLARSHIP UPDATE



Get a Head Start on Scholarship Season!

Learn about the scholarships for NSHSS members available right now, and learn about the scholarships that will start accepting applications soon.

[VIEW DETAILS](#)

presentations on cutting edge science, directly interacting with presenters in an informal setting, as well as, opportunities for outdoor adventures that include caving, mountain biking, climbing, backpacking and kayaking.

Online applications are open from November 1, 2017 - February 28, 2018 at 6:00pm EST.

Students may apply at <http://apply.nysc.org>

The NYSCamp is planned for June 27 - July 21, 2018.

Also, get a sense of this experience at <http://2017.nysc.org>



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/>

Employee Donation Matching Programs

Employers will often match employee donations and two local employers have made sizable donations to CREST this year. Special thanks go to Honeywell and American Express for their support of CREST programs.



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 for more information, and follow us at #GenNano. Questions: email gennano@nsf.gov.

National Youth Science Camp

Two high achieving STEM high school seniors per state are selected by merit through an online application process to attend this amazing three week+ program FREE of charge (air travel is included!).

The National Youth Science Camp (NYSCamp) www.nysc.org provides an almost month-long STEM and outdoors experience like no other. This includes