Geosciences Bridge Program - Applications are due March 31, 2017

The Geosciences Bridge Program offers a 6-week paid internship for students planning to pursue careers in the geosciences. The program includes lectures, field trips, hands-on activities, two for-credit college courses, housing, meals, travel to and from the University of Maryland Eastern Shore (UMES), and a stipend.

The program is funded by the National Science Foundation (NSF) and the NOAA Living Marine Resources Cooperative Science Center (LMRCSC) at UMES. The program introduces high school seniors to ocean sciences, atmospheric sciences, and geographic information systems (GIS)/Remote Sensing techniques. The activities provided and experience on campus strengthen students’ knowledge of mathematics, teach them life skills that will prepare them for college life, and enhance their academic performance through advisement, social support, and tutorial services. This collaborative summer program is designed to recruit and train high school students, particularly from underrepresented groups, in various areas of the Geosciences field.

The 2017 Program will run July 5 - August 11, 2017. Flyer and information available from: https://www.umes.edu/uploadedFiles/_DEPARTMENTS/Geosciences/Content/UNDATEDGeosciences%20Flyer%20OnePage.pdf

Update on the STEM Academy

The next cohort of STEM Academy capstone students are well into their research projects. Across our five high schools we have 59 students completing their capstone projects. Each student has been assigned a mentor, which is a person from our local institutions, business partners, or community. These mentors serve as the "Subject Matter Expert" or SME for each student along with the STEM lead teacher at their local high school. They help direct them in the development of their science, engineering, or mathematics project.

Over the past two marking periods, students in the capstone class (Honors Research and Design) have selected topics of interest and completed technical research - reading journal articles, patents, and scientific papers. They learned to complete annotated bibliographies and a literature review of sources linked to their topics. Each student participated in a topic defense where they verbally communicated their ideas. From the feedback, they created a methodology and project proposal.

During the third marking period, capstone students are completing their scientific investigation, creating their engineering prototype, and collecting their data. The culmination of this course will be the CCPS STEM Gallery Walk scheduled to be held at Elkton High School on June 1, 2017 from 5-7 p.m. Come see the next generation of STEM professionals communicate their capstone research.
NASA INTERNS, FELLOWS, AND SCHOLARS (NIFS)
ONE STOP SHOPPING INITIATIVE (OSSI)

OSSI is a NASA-wide system for the recruitment, application, selection and career development of high school, undergraduate, and graduate students primarily in science, technology, engineering and mathematics disciplines.

Opportunities for students in other disciplines are available.

A great tool to search for opportunities!

https://intern.nasa.gov/ossi/web/public/guest/searchOpps/

Scholarships You Can Apply For!

**NSHSS Foundation STEM Scholarship Application 2017**
STEM scholarship application for $1,000 college scholarships with a **deadline of April 1, 2017**. High school seniors with a minimum GPA of 3.0 and demonstrated desire to major in any area of science, technology, engineering, or mathematics are eligible. Requirements include personal statement, list of STEM activities, photo, transcript, and educator recommendation. **Note to all applicants: A transcript, resume, essay, and photo must be submitted for all NSHSS Foundation scholarships (The STEM Scholarship requires a list of STEM activities in lieu of a resume). One educator recommendation will be applied to all NSHSS Foundation scholarships.**


**HENAAC Scholars Program**
The **2017-18 Scholarship Application will open in February 2017.** HENAAC scholarship recipients continue to pave the way for future generations of Hispanics and lead by example to empower our communities and enhance our nation’s professional technical workforce. Since its inception in 2001, the HENAAC Scholars Program has experienced tremendous growth. In 2008, through the generous support of our program sponsors, we passed the $1M milestone in scholarship awarded. In 2013, GMiS passed the $2M scholarship milestone. The application **deadline every year is APRIL 30.**

The HENAAC Scholars Program offers three types of scholarships: Corporate/Government Sponsored Scholarships, Special Recognition Scholarships, and In Memoriam and Personal Tribute Scholarships.

Click Here for information on these scholarship. (http://www.greatmindsinstem.org/college/types-of-scholarships)
Maryland Department of the Environment (MDE)
Environmental Science Student Award & Internship
Applications due April 3, 2017 for Juniors & Seniors

The Environmental Science Student Award and Internship recognizes high school juniors and seniors that have excelled in environmental science programs. Students who have demonstrated extraordinary leadership and participation in environmental projects in school or the community such as recycling drives, school beautification projects, stream or litter cleanups and other types of environmental projects are encouraged to apply. The Awardee will receive a paid summer internship at MDE. The two runner-ups will each receive a monetary award. All three will receive a certificate acknowledging their achievement.

*Applications for this award are now being accepted, read below for more details.*

- Applicant must be a junior or senior in high school;
- Applicant must have a GPA of 3.0 or higher;
- Applicant must have participated in at least one environmental project

See all details at:
http://www.mde.state.md.us/programs/Marylander/Pages/ESAward.aspx

Attention Seniors!
National Youth Science Camp Deadline Approaching

The National Youth Science Camp is a residential science education program for young STEM enthusiasts the summer after they graduate from high school. Students from around the country (two are selected to represent each state and Washington, D.C.) are challenged academically in exciting lectures and hands-on studies, and have voluntary opportunities to participate in an outdoor adventure program, gain a new and deep appreciation for the great outdoors, and establish friendships that last a lifetime.

Delegates attend the National Youth Science Camp at no expense, transportation included. This has been true throughout the history of the camp so that selectees can attend regardless of their financial status.

Apply to attend the National Youth Science Camp at http://apply.nysc.org
- Applications for the 2017 Camp began on November 1, 2016
- **Deadline to apply is March 1, 2017**
- Dates of the 2017 National Youth Science Camp are **June 14 – July 8, 2017**.

Frequently Asked Questions about the NYSC
Deadline February 20 for both! Don’t miss your chance for these opportunities!

University of Delaware College of Engineering Summer Internship

The High School Engineering Internship program is a way for rising juniors and seniors to gain real-world engineering experience working in the labs of faculty at the University of Delaware. Interns are mentored by faculty and graduate students and spend 7-8 weeks assisting with on-going engineering research projects. Interns are also required to attend weekly lunch sessions and participate in a poster session at the end of the internship period. The program is highly selective and rigorous, and interns are expected to work 20+ hours a week with their mentors, and not take classes or go on extended vacations during the period of the internship, which is between the final weeks of June and the first weeks of August. Some internships are paid; many are not.

More information about the High School Engineering Internships is available on their website. Applicants can access the online form using the link below.

Note: The link will not work in Google Chrome. Please use a different browser to access it, such as Internet Explorer, Safari, or Firefox.
https://delaware.ca1.qualtrics.com/SE/?SID=SV_9YS50MgPXbKPdz

Applicants will be asked for a cover letter outlining their interest. It might be best to compose this in a word processing program and then copy and paste it into the online application, in case of server timeouts.

University of Delaware College Summer Camp

This summer, the University of Delaware is holding three Summer Camps on the following dates:

- July 10–14, for grades 9–10
- July 24–28, for grades 6–8
- August 7–11, for grades 3–5

Please note that the correct camp placement for your child is based on the grade they will be in Fall 2017. Please refer to their website for details about the camps.

All applicants to Summer Camp use the same online form.

Summer Camp Application
https://delaware.ca1.qualtrics.com/SE/?SID=SV_1BLYuLPz7jnbFZz

Please note that applicants should fill out the application with a parent/caregiver, and that, prior to beginning the application, you may want to have your teacher reference's contact information and your health insurance available, as well as a brief essay about something you like in Math and/or Science.
**DATES TO SAVE**

**Gallery Walk** at Elkton High School for Capstone Projects **June 1, 2017**

**2017 Baltimore Science Fair March 25 & 26, 2017**
Online application opens January 1, 2017. More information found in the October 2016 newsletter found online at: HTTP://WWW.CCPS.ORG/DOMAIN/51.

**2017 SEAP Summer Applications Close on February 28, 2017**
For complete details, visit their website at: http://www.usaeop.com/programs/

**Maryland STEM Festivals will be held November 3-12 for 2017**

**Geosciences Bridge Program** - Applications are due March 31, 2017

**APG GEMS SUMMER PROGRAM**

Apply NOW for **GEMS II** and **GEMS III!** 

Gains in the Education of Mathematics and Science [GEMS] is an Army-sponsored, summer STEM enrichment program for middle and high school students that takes place in participating Army Research Laboratories.

**GEMS II Overview:**
Students in the 7th – 10th grade GEMS II Program will experience a wide range of laboratory experiences from synthesis to fabrication to instrumentation/analysis. The GEMS II program has sessions on chemistry, environment, physics, engineering, computer science, robotics, and non-destructive evaluation.

**GEMS III Overview:**
Students in the 10th-12th grade GEMS III sessions will be able to experience a more direct learning into very specific fields. These week long courses usually consist of Computer Science, Power and Energy, and Advanced Robotics and Programming.

http://www.usaeop.com/apg/ for further information and to apply

**DEPARTMENT OF SCIENCE & STEM**

CCPS
201 Booth Street Elkton, MD 21921
(410) 996-5456

*Our Mission:* to provide an excellent pre-kindergarten through graduation learning experience that enables ALL students to demonstrate the skills, knowledge, and attitudes required for lifelong learning and productive citizenship in an ever-changing global society.

The Cecil County Public Schools does not discriminate in admissions, access, treatment or employment in its programs and activities on the basis of race, color, gender, age, national origin, religion, sexual orientation or disabling condition.

Board of Education of Cecil County
Ms. Dawn K. Branch, President
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Mr. William H. Malesh, Member
Mr. William C. Manlove, Member
Miss Harriet M. Starr, Student Member
Dr. D'Ette W. Devine, Superintendent/Treasurer/Secretary

 Neueletters will be available from the science website located at HTTP://WWW.CCPS.ORG/DOMAIN/51