

SCIENCE AND TECH NEWSLETTER

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PLEASE TAKE THESE NEWSLETTERS HOME AND SHARE THEM WITH YOUR PARENTS.

FOR STUDENTS

A vast amount of information comes into the Science and Technology Office - summer experiences, jobs, internships, scholarships, seminars, etc. This newsletter is published periodically to advertise these. Folders in the outer office contain further information and applications regarding these opportunities. Students should develop a habit of coming by the S/T office and checking the folders and bulletin board for new information.

2008 National High School Student Essay Contest-sponsored by The Alliance for Science. Students are encouraged to submit essays of up to 1, 000 words on one of two (2) topics: "Climate and Evolution" or "Agriculture and Evolution." Cash prizes will be given to the top four students, with \$300.00 for first (1st) place. Registration Forms, Official Contest Rules, and a colorful flyer are posted at:

<http://www.allianceforscience.org/essay>
Electronic submissions via email to: afsessay@gmail.com are preferred, but printed essays will also be accepted.

Submission deadline:02-28-08.

The International Summer Science Institute- is an intensive science program that allows seniors a unique opportunity to participate in the ongoing research of the Weizmann Institute of Science in Rehovot, Israel, July 7 - July 31, 2008. It is geared towards outstanding science students who have demonstrated their interest above and beyond their high school classrooms. After three (3) weeks on the Weizmann Institute campus, the group moves on to a field school in the desert. Here the students actively investigate the biology, geology, and climatology of desert ecosystems. Tours of Jerusalem and elsewhere in Israel are also included. Each participant attending will receive a full scholarship valued at \$6,000, which covers his or her air, and all costs while at the Institute. For an application and to obtain further information visit the following site:

www.weizmann.ac.il/young/english.

Application deadline: 03-01-08.

Summer Institute of Robotics (SIR)- holds two 2-week residential programs at Morgan State University in Baltimore for students in grades 9 – 12.

Applications will be posted at:

<http://university.gsfc.nasa.gov/programs/sir.jsp>.

National Space Club Scholars-

This program places students at Goddard in Greenbelt, MD and/or Wallops Flight Facility in Wallops Island, Va.

Applications posted at:

<http://education.gsfc.nasa.ov/pages/placement.html>

Application deadline: 02-20-08.

The George Washington University

(SEAP)-The program offers apprenticeships for high school students interested in science and engineering.

The students are assigned to a participating laboratory to pursue scientific experiences with a scientist or apprentice for eight (8) continuous weeks between June 23 – Aug 15, 2008. Applications are available in the S-T Office or you may download one at: gwseap.net.

Application deadline: 02-29-08.

Med Vet Summer Academy-is a 10-day academy course that combines didactic lectures, small-group problem solving sessions, practical lab work in state-of the art facilities, as well as hands-on training through simulated and real-life situations. Students will receive college credits. The high school session is for students ages 15-17 and the dates are **June 26th – July 5th**. **The cost is \$1,800.00 per person** which includes transportation on the island, all meals, medical instruction and field trips (Airfare and the optional scuba dive expenses are not included.) For additional information contact Thomas Day at: tday@sgu.edu. Applications are located in the S-T Office.

Application deadline: 04-15-08.

Smith Summer Science and Engineering Program (SSEP)

-great opportunities for girls grades 9-12 to learn about the biology of women athletes, design with engineers or unlock the mystery of your own DNA. The session is from June 29th – July 26th. For additional information visit the website at:

www.smith.edu/summerprograms/ssep.

The Summer Science Program (SSP)

-is a six-week, residential program that takes place at two campuses: New Mexico Tech in Socorro and Besant Hill School in Ojai, California. For complete information including prerequisites, deadlines, and program dates, visit the website at: summerscience.org.

Application deadline: 02-22-08.

2008 ASM Materials Camp-Students-

A summer no-cost, hands-on program for 10th and 11th graders. Complete information and on line application can be found at:

http:

[asmcommunity.asminternational.org/portal/site/asm/Foundation/Students Camp](http://asmcommunity.asminternational.org/portal/site/asm/Foundation/Students%20Camp).

Application deadline: 03-31-08.

NOTE: Mr. Hendley highly recommends this program.

Northrop Grumman Engineering Scholarship Program

-a scholarship of \$10,000 will be awarded to a graduating high school senior in each of the 23 Maryland counties and Baltimore City. Visit the following website for all of the details:<http://www.es.northropgrumman.com/sngscholars/>.

Application deadline: 03-31-08.

University of Maryland

EcoEngineering Event- on Saturday, March 8 from 8:30 a.m. – 2:00 p.m. at the Clark School of Engineering. It will be a fun-filled day for sophomores and juniors creating engineering solutions for alternative energy. Learn about the majors and experiences at Maryland and compete in a design challenge that will test your knowledge. There is a \$20 registration fee. Visit the website at: www.eng.umd.edu/prospective/prospective_preview.ntml.

Registration deadline: 02-29-08

United States Naval Academy

Summer Seminar-offers the opportunity for rising seniors to visit the Naval Academy for one week during the summer. The first session is May 31st- June 5th, the 2nd session is June 7th – 12th and the 3rd is June 14th- 19th. Visit the website for further details: www.usna.edu/Admissions/nass.htm

Applications will be available 04/01.

The Jason Choy Memorial

Scholarship-applications and donations are being accepted and be done through the website: <http://www.jasonchoy.org>. High school seniors are encouraged to apply.

The Black Data Processing Associates (BDPA) of Washington, D.C. announces its 21st Annual High School Computer Competition (HSCC) Program. Students grades 8-12 are eligible. Interviews will be conducted on February 16th and 23rd. Interviews are scheduled online at: www.bdpa.org.

NIH Summer Internship

Opportunities-check the website at: www.nih.gov and go to student link.

Drexel University-High School

Summer Mentorship Program- will host 24 rising juniors and seniors July 13 – Aug 2. These students will work in a lab with faculty mentors and their research groups. For more information please contact: mentorship@coe.drexel.edu. You can apply online at: www.drexel.edu/coe/special/summer/mentor.

Application deadline: 03-15-08.

Hampton University Pre-College

Bridge Program-is a five-week academic enrichment, residential program that promotes and secures an environment where students have an opportunity to grow personally, while enhancing their academic and leadership possibilities. The dates for the program are June 20 – July 25. The cost is \$1500.00 which includes tuition, room and board. Books are an additional \$500.00.

Visit the website for additional information at:

<http://www.hamptonu.edu/academics/summer/precollege/index.htm>.

Application deadline: 03-01-08.

Curie Academy at Cornell University-

A one-week summer residential program for juniors or seniors. Download the Curie Academy application and review the requirements at:

www.engineering.cornell.edu/curie.

Application deadline: 04-15-08.

Maryland State Department of Education- has a list of Summer Centers for students of various grade levels. There are varying deadlines. Visit the website at:

<http://www.marylandpublicschools.org/MSDE/programs/giftedtalented/centers>

Smith College Summer Science and Engineering Program-is a four-week residential program for exceptional young women with strong interests in science, engineering and medicine. Girls grades 9 – 12 are eligible to apply. Applicants are encouraged to apply early as the program has a long waiting list. There is a \$50 application fee. Applications available in the S- T Office.

Early admissions application date is: 03-01-08 and regular admission date is: 05-01-08.

GSFC High School Intern Program-this program is open to rising juniors, The application is posed at:

<http://education.gsfc.nasa.gov/pages/placement.htm>

Application deadline: 03-15-08.

National Security Agency (NSA)- Director’s Summer Program (DSP)-is a highly competitive program that seeks to reach the nation’s most outstanding undergraduate mathematics majors. Visit the website for detailed information and instructions.

http://www.nsa.gov/careers/students_1.cfm

Hampton University-Pre-College Program-is a five week session for High School graduates transitioning from high school to college. The cost is \$1,500.00. Books are approximately \$500.00. Visit the website for full details.

<http://www.hamptonu.edu/academics/summer/precollege/index.htm>

University of Delaware-Summer Residential Program-visit the website to obtain complete details:

<http://www.engr.udel.edu/rise/fame/>

Application deadline: 04-15-08.

Catalyst Academy at Cornell

University- a one week summer residential program for 10th, 11th and 12th grade high school students who excel in math and science, enjoy solving problems, and want to learn more about careers in engineering. July 20-26, 2008 is the program dates. Application available online:

www.engineering.cornwell.edu/catalyst.

Application deadline: 04-15-08.

CONGRATULATIONS

To all of the students that participated in the Science Fair. The results are posted on the school’s website.

To the S/T Students who made Honor Roll second quarter

Grade	% made Honor Roll	% GPA 4.0 and higher
9	86 %	21 %
10	87 %	24 %
11	89%	39 %
12	83 %	35%

