

**Active Enrichment AND Summer Opportunities
2016-2017 School Year**

Opportunity:	<p>Mizzou MedPrep: Medical Explorations Workshop. Online workshop: June 23 – July 7, 2017 Campus visit: July 7, 2017, 10 a.m. – 4 p.m. The workshop is a 2-week online course and one-day visit to MU’s campus. The students will explore careers in healthcare, enhance self-awareness through personality assessment, and connect with peers, students, staff and faculty in healthcare. Session may include the followings: Overview of the medical profession Physicians (Specialties and subspecialties) Health professionals MBTI personality test Panel discussion with health professionals Research Admission Medical School tour Simulation Center activities</p>
Application:	http://medicine.missouri.edu/medprep/medical-explorations.html
Cost:	<p>Fee: \$50 – Financial Assistance Available Covers instructional materials for the onsite and online workshop and one meal. (Does not cover travel and lodging)</p>
Requirements:	This program is has been designed for rising high school juniors and seniors. Some exceptions may apply please contact the coordinator to see which workshop will be the best fit for you.

Opportunity:	<p>COOPERATIVE YOUTH CONFERENCE & LEADERSHIP EXPERIENCE (CYCLE) Sponsored by Cuivre River Electric Cooperative Delegates receive an all-expense paid trip to Jefferson City July 12-14. Students are challenged to learn first-hand what it’s like to be involved in politics, community service, today’s pressing issues, the cooperative form of business and lifetime leadership skills.</p>
Application:	https://www.cuivre.com/COMMUNITY/CYCLE
Cost:	Free
Due Date:	March 1 – April 26, 2017
Requirements:	SOPHOMORE

Opportunity:	<p>Audrey Walton Youth Leadership Conference July 20-22, 2017 Hosted by Show-Me State Games at the University of MO, Columbia The Audrey Walton Youth Leadership Program provides opportunities for Missouri youth (high school juniors and seniors) to gain skills that will assist them in becoming leaders in their communities and schools. Named after and generally sponsored by Audrey Walton, a great leader in her own right, this program promotes the importance</p>
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	of leadership, physical fitness, higher education, and a healthy lifestyle. During the 3-day conference, we will engage in several activities that will encourage the students to step up and be leaders amongst themselves. All of the students will participate in both indoor and outdoor team activities. They will attend a luncheon as well as a dinner banquet where they will have the opportunity to listen to some of our state's outstanding leaders. The Audrey Walton Youth Leadership Program is certainly an experience that will help any student become a true leader in his or her school and community.
Application:	http://www.smsg.org/pdfs/AWYLapplication.pdf
Cost:	There is NO COST to participants. All food, lodging and transportation to and from the conference is provided by the Show-Me State Games (we send buses to & from the KC & St. Louis areas).
Due Date:	May 12, 2017
Requirements:	Students entering junior or senior year in the 2017-2018 school year, essay, letter of recommendation

Opportunity:	Career Explorations in Architecture at Tulane University New Orleans, LA July 9 – 29, 2017 Career Explorations offers students a short, intensive and engaging introduction to architecture. As high schoolers consider careers, they may not yet have been exposed to the unique blend of visual orientation, creative process, academic investigation and professional training that forms an architectural education. Students will spend three weeks exploring the ideas, methods, and issues of architecture with Tulane professors and local practicing architects. Lectures, studio time, digital workshops, field trips, discussions, and critiques will be supplemented by regular design exercises to be completed outside class time.
Application:	http://architecture.tulane.edu/outreach/career-explorations
Cost:	\$3,000
Due Date:	May 15, 2017
Requirements:	Completed sophomore year

Opportunity:	Free Cyber Warrior Camp at Fontbonne University June 12 – 23 9 a.m. – 4 p.m. Weekdays Only Students will learn about cyber security principles, creating strong passwords, safe online behavior, detecting spam and phishing, abstraction, data hiding and more. No coding experience needed!
Application:	https://www.fontbonne.edu/academics/departments/mathematics-and-computer-science-department/cyber-warrior-camp/?utm_source=teacher+email+1&utm_campaign=cyber+warrior+camp&utm_medium=email&utm_medium=email&sslid=szAzMTA1tjQxMTYBAA&sseid=MzQ1sjAxNjlzMQIA&jobid=2d24c637-9f3e-4391-bd9d-11db08624f24
Cost:	Free
Due Date:	May 15, 2017
Requirements:	High School Student

Opportunity:	Rutger's Pre-Engineering Summer Academy Pre-Engineering Summer Academy (July 9 - 15) Learn about aerospace, biochemical, biomedical, chemical, civil, computer, electrical, environmental, forensic, industrial, material science, mechanical and systems engineering through an integrated program of lectures, demonstrations, hands-on projects, tours, and field trips.
Application:	http://summer.rutgers.edu/precollege-academies/apply
Cost:	The cost for each one-week Rutgers Summer Academy is \$2,239 USD per person, which includes: Tuition for noncredit classes Guest speaker presentations and field trips Orientation event Final certificate ceremony and reception Rutgers student health insurance All meals Campus cultural events and recreational activities Lodging 12:1 supervision by professional staff members in the residence hall
Due Date:	May 31, 2017
Requirements:	Be between the ages of 16-18 Have completed courses in precalculus and physics

Opportunity:	Project Life Experience A "pre-college" experience for high school students with high-functioning autism. The Tailor Institute provides an opportunity for young adults on the autism spectrum to experience many main pieces of independent living through a tailored and intensive multi-day program. Project Life Experience includes a tour of UMSL and the college experience, private sessions with experts in business and job skills training, and tours of typical city services catering to independent living such as transit, housing searches, community relationships, business and employment innovation centers, healthcare, and others. Project Life Experience participants also take part in a comprehensive of several Tailor Institute programs. The pilot of Project Life Experience took place in June of 2011. Our 2017 camp will be held at UMSL in June!
Application:	http://www.thetailorinstitute.org/
Cost:	NA
Due Date:	By May 2017
Requirements:	Rising Junior or Senior

Opportunity:	QuantM Math Circle Emory University in Atlanta, GA July 3rd - July 28th, 2017 In partnership with Emory's <u>Institute for Quantitative Theory and Methods (or QuantM)</u>, the QuantM Math Circle is a four-week math summer camp at Emory University in Atlanta, GA designed to introduce high school students to the complex world of mathematics and its applications through quantitative analysis. High school students with a passion for math will learn and apply university-level
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	mathematics and quantitative skills in fields such as combinatorics, number theory, probability, statistics, game theory, and more, taught at Emory by graduate students and local math educators. Over the course of the program, students develop problem-solving abilities, critical-thinking skills, and logical reasoning through engaging activities, problem sessions, mathematical games and puzzles, and research projects. Participants will also attend lectures by Emory professors and enjoy recreational trips to local science and research centers.
Application:	http://www.mathcircle.us/summer/emory/
Cost:	Tuition for commuting students is \$1950 and tuition for boarding students is \$3900.
Requirements:	Middle and High School Students may apply

Opportunity:	<p>Summer Camps at Missouri S & T</p> <p><u>Building Leaders for Tomorrow</u> June 12-16, 2017 <i>Rising high school freshmen, sophomores, and juniors</i> Explore the power of communication, hone your leadership skills and make new friends through group projects and presentations.</p> <p><u>CyberMiner Camp</u> June 18-22, 2017 <i>Rising high school juniors and seniors</i> Unleash your inner cyber-self! Learn about technologies such as robotics, machine intelligence, and information systems.</p> <p><u>EcoGirl</u> July 17-21, 2017 <i>Rising high school junior and senior girls</i> Love the earth? Engage your passion and learn about careers in environmental fields.</p> <p><u>Explosives Camp</u> * June 11-16; June 18-23, 2017 <i>Rising high school juniors and seniors (must be 16 years of age)</i> Fire in the hole! Experience our one-of-a-kind explosives camp</p> <p><u>Formula SAE Electric Car Camp</u> July 16-20, 2017 <i>Rising high school sophomores, juniors and seniors</i> Get in gear! Design and model an Electric Formula SAE car.</p> <p><u>Jackling Introduction to Engineering</u> June 11-15; June 25-29; July 9-13, 2017 <i>Rising high school juniors and seniors</i> From iPads to interstates, engineers change the world. This intro course will show you how math and science relate to engineering. See first-hand what engineers actually do.</p> <p><u>Materials Camp</u> * July 23-28, 2017 <i>Rising high school juniors and seniors</i> From heavy metal to nano-particles, materials are all around us. Learn how engineers and scientists turn materials into things we use every day.</p> <p><u>Minority Introduction to Technology & Engineering (MITE)</u> * June 5-9, 2017 <i>Rising minority high school juniors and seniors</i> This intro course, designed for underrepresented minorities, will show you how math</p>
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	<p>and science relate to engineering.</p> <p>Nuclear Engineering Camp June 18-23, 2017 <i>Rising high school juniors and seniors</i> Explore the power of the atom – and great career opportunities in this field – during this weeklong program.</p> <p>Robotics Camp June 20-22, 2017 <i>Ages 12-15</i> Robots have moved beyond the realm of science fiction. Now you, too, can design your own robot – and learn programming techniques – in this hands-on program.</p> <p>Space - The Final Frontier July 16-20, 2017 <i>Rising high school sophomores, juniors and seniors</i> Ever wonder what the edge of space looks like? Learn hands-on how engineers design and build satellites, while launching a microsatellite 100,000 feet in the air.</p> <p>Sports Camps Hone your skills in your favorite game, learning from S&T coaches and players in a variety of sports.</p> <p>Summer Research Academy * June 12 - July 20, 2017 <i>Rising high school seniors or graduating seniors</i> Work side-by-side with experts while conducting research in your favorite field.</p> <p>Summer Solutions for Girls June 26-30, 2017 <i>Rising freshman and sophomore girls</i> It's a woman's world. Discover the possibilities of college life and careers in engineering and science. * <i>Students must apply for acceptance into these camps.</i></p>
Application:	http://futurestudents.mst.edu/summercamps/
Cost:	Varies
Due Date:	Varies

Opportunity:	<p>New England Summer Investigative Reporting Workshop for high school students Session 1: June 26 – July 7, 2017 Session 2: July 10 – July 21, 2017 Session 3: July 24 – August 4, 2017 It's a two-week intensive journalism camp where high school students from around the world engage in hands-on investigative reporting seminars taught by industry professionals. Students work individually and collaboratively while participating in an active student community and living on campus at either Boston University or Boston College. Our alumni go on to study journalism and related fields at some of the best colleges, and often discover a passion for investigative reporting that informs their career.</p>
Application:	http://studentprograms.necir.org/high-school-summer-investigative-reporting-workshop/
Cost:	\$2,500

Due Date:	The application deadline is two weeks prior to the start of each session, depending on space. Students interested in financial aid or payment plans should apply early, as aid is first-come, first-served.
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Opportunity:	<p>Duke Youth Programs</p> <p>Now in its thirty-fourth year, Duke Youth Programs provides summer enrichment opportunities for academically motivated middle school and high school students in the areas of bioengineering, biological science, math, creative writing, academic writing, leadership, computer programming, and college selection/admissions. Duke Youth Programs for the Summer of 2017:</p> <p>Action Science</p> <p>Biosciences & Engineering for Middle School</p> <p>Biosciences & Engineering for High School</p> <p>Math Camp</p> <p>Young Writers' Camp</p> <p>Creative Writers' Workshop</p> <p>Leadership in Action Institute</p> <p>Duke Neurosciences Camp</p> <p>3D Printing Camp @ Duke</p> <p>Constructing your College Experience</p> <p>SAT Summer BOOST</p> <p>Cryptology Camp</p> <p>W.R.I.T.E. for College</p>
Application:	http://summersession.duke.edu/high-school-students/duke-youth-programs
Cost:	Varies by program
Due Date:	Applications open December 1, 2016
Requirements:	Middle and high school students

Opportunity:	<p>Stevens Institute of Technology offers Pre-College Programs in the following areas:</p> <p><i>Exploring Career Options in Engineering & Science (ECOES) +</i></p> <p><i>Introduction to Coding</i></p> <p><i>Intermediate Computer Science</i></p> <p><i>Pre-Med Biology</i></p> <p><i>Pre-Med Biomedical Engineering</i></p> <p><i>Engineering Design & Architecture</i></p> <p><i>Cybersecurity</i></p> <p><i>Game Design</i></p> <p><i>Electronic Music Production</i></p> <p><i>STEM Law & Policy</i></p> <p><i>Designing Virtual Reality Experiences</i></p> <p><i>Business Explorer</i></p> <p><i>Entrepreneurship: From an Idea to a StartUp</i></p>
Application:	https://www.stevens.edu/admissions/pre-college-programs/available-pre-college-programs
Cost:	Varies
Due Date:	Rolling admissions

Requirements:	Essay, transcript, letter of recommendation
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Opportunity:	<p>Pre-College Programs at Boston University: Summer Challenge, High School Honors, Research in Science and Engineering, Academic Immersion, Summer Preview</p> <p>We invite you to choose from five exciting and challenging summer high school programs. Each program offers the opportunity to explore new subjects and college life—while making friends with fellow students and participating in social activities in Boston and on campus. Join other motivated high school students from 49 states and 87 countries and experience a great introduction to college life and academics.</p>
Application:	http://www.bu.edu/summer/high-school-programs/

Opportunity:	<p>New England Summer Investigative Reporting Workshop for high school students</p> <p>Based at Boston University, the New England Center for Investigative Reporting's Summer Investigative Reporting Workshop is a perfect opportunity for U.S. and international high school students to learn more about journalism, and explore the exciting city of Boston! Our award-winning faculty will help ensure that each student will be taught at a high level, and learn new and valuable skills at this summer high school journalism program.</p> <p>Session 1: June 26 – July 7, 2017 Session 2: July 10 – July 21, 2017 Session 3: July 24 – August 4, 2017</p>
Application:	http://studentprograms.necir.org/high-school-summer-investigative-reporting-workshop/apply-now/
Cost:	<p>\$2,500 Dormitory housing (double occ.): \$476 Dining plans: 14 Plus Plan – \$356 19 Plus Plan – \$430</p> <p>We want to remind your students that they should apply now for our Summer Investigative Reporting Workshop to take advantage of our \$200 tuition discount for workshop participants who pay in full by January 31st.</p>
Due Date:	Two weeks before session begins.

Opportunity:	<p>The Naval Academy Summer Seminar Program Annapolis, Maryland</p> <p>The United States Naval Academy Summer Seminar is a fast-paced, six-day experience for high achievers who have completed their junior year in high school. Summer Seminar teaches you about life at the Naval Academy, where academics, athletics, and professional training play equally important roles in developing our nation's leaders. If you think that you may be interested in pursuing an appointment to one of the nation's service academies and serving your country as an officer, you should seriously consider attending the Naval Academy's Summer Seminar. *PLEASE NOTE: The application is NOT first come, first served. Please gather all of the required information before applying. Applications are now open.</p>
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	Session 1 June 3-8 Session 2 June 10-15 Session 3 June 17-22
Application:	www.usna.edu/admissions/nass
Cost:	<p>The tuition to attend a session is \$450.00, which includes room, board, program materials, and clothing. Some scholarships are available based on the financial need of the selectee. You can inquire about scholarships after being selected for the program. You should plan on bringing extra money for snacks and souvenirs.</p> <p>Each student is responsible for arranging their own transportation to and from the Naval Academy.</p>
Requirements:	<p>The Naval Academy Summer Seminar Program is offered exclusively to young men and women who have just completed their junior year of high school. This is a competitive entry program because interest outweighs our hosting capacity. The following general selection criteria are considered:</p> <p>Superior high school performance to include: GPA, class standing, and/or strong PSAT, SAT, or ACT results (test scores not required, but recommended);</p> <p>Demonstrated achievement in athletics and extracurricular activities, especially demonstrating leadership potential in these areas;</p> <p>Physically fit and in good health with normal vision (20/40 or correctable to 20/20);</p> <p>Positive attitude, self-disciplined, and of good moral character.</p>

Opportunity:	Summer STEM at the US Naval Academy This program is designed to encourage rising 9th–11th graders to pursue a course of study in engineering and technology throughout high school and college. June 5-10 Rising 9th graders June 12-17 Rising 10th graders June 19-23 Rising 11th graders
Application:	Http://www.usna.edu/Admissions/Programs/STEM/index.php
Cost:	<p>All students selected to participate will be required to pay \$550 which will include room and board, meals, as well as a variety of materials. Plan on bringing extra cash for snacks and souvenirs.</p> <p>Each student is responsible for arranging their own transportation to and from the Naval Academy.</p>
Due Date:	Applications open online January 2017
Requirements:	<p>The Naval Academy Summer STEM Program is offered to rising 9th-11th Graders. Students must demonstrate superior academic performance to include GPA, class standing, and/or strong PSAT, SAT or ACT results. Selection is based in large part on ensuring geographic representation along with overall accomplishments in and out of the classroom.</p>

Opportunity:	Music Recording Camp at Webster University June 12 - June 16, 2017 - or - June 19 - June 23, 2017 <p>Explore the world of the recording studio by working with accomplished musicians and engineers in a professional-grade facility. Learn music recording techniques as you create your own compact disc.</p>
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Application:	http://www.webster.edu/communications/news-events/music-recording-camp.html
Cost:	\$350
Requirements:	High School student

Opportunity:	<p>Game Design Camp at Webster University Monday, June 5 - Friday, June 9, 2017</p> <p>Do you love video games? Are you interested in learning what it takes to be a video game designer? Our experienced team of game developers are offering high school-aged students an introduction to the fun and exciting field of game design and development.</p>
Application:	http://www.webster.edu/communications/news-events/game-design-camp.html
Cost:	\$350
Requirements:	High School Student

Opportunity:	<p>Filmmaking Camp at Webster University You Create a Short Feature Film June 12 - June 16, 2017</p> <p>Come join our award-winning faculty as we plan, shoot, and edit our own short feature film. We will supply the script, the equipment, and the instruction. You will supply the vision and the creativity!</p>
Application:	http://www.webster.edu/communications/news-events/film-making-camp.html
Cost:	\$350
Requirements:	High School student

Opportunity:	<p>Sports Communication Camp at Webster University Monday, July 10 - Friday, July 14, 2017</p> <p>Do you love sports? Are you interested in a career that makes sports a central part of your day? You will learn skills such as play-by-play and color commentary, responding to a public relations crisis, strategizing on communications messages, and developing a podcast.</p>
Application:	http://www.webster.edu/communications/news-events/sports-communication-camp.html
Cost:	\$350
Requirements:	High School Student

Opportunity:	<p>Fashion Institute of Design & Merchandising (FIDM) Immersive Summer Program</p> <p>Make it a summer to remember! Every year, hundreds of high school students from all over the world gather to experience fashion through the eyes of a college student in our immersive three-day program.</p> <p>Choose your location at one of our four architecturally award-winning campuses, located in California's most vibrant cities: Los Angeles, San Francisco, Orange County, and San Diego</p>
Application:	http://fidm.edu/en/news+and+events/3+days+of+fashion/ct-days+of+fashion+c
Cost:	\$300 for 3 days
Requirements:	High School Student

Opportunity:	<p>Oxbridge Academic Programs</p> <p>Oxbridge Academic Programs has been welcoming intellectually adventurous high school and junior high school students to <i>Summer Study Programs in Europe and the US</i> for over 30 years. Students from over 80 countries are housed and educated in great and historic centers of learning that are Oxford and Cambridge in England, St. Andrews in Scotland, Barcelona and Salamanca in Spain, Paris and Montpellier in France, and New York City and Los Angeles in the United States while exploring new cultural surroundings.</p>
Application:	http://www.oxbridgeprograms.com/

Opportunity:	<p>Carnegie Mellon Summer Pre-College Programs July1 – August 11, 2017</p> <p>Are you going to be a junior or senior in high school? If so, consider spending the summer in one of our distinct summer Pre-College programs!</p> <p><u>Advanced Placement/Early Admission (AP/EA)</u></p> <p><u>Architecture</u></p> <p><u>Art</u></p> <p><u>Design</u></p> <p><u>Drama</u></p> <p><u>Music</u></p> <p><u>National High School Game Academy</u></p> <p>Our summer Pre-College programs will show you what life at Carnegie Mellon is all about - from the classroom to what's happening on weekends. You'll meet people from all over the world, be inspired by our world-renowned faculty, take part in the excitement of campus and have the opportunity to explore the city of Pittsburgh.</p>
Application:	http://admission.enrollment.cmu.edu/pages/pre-college/

Opportunity:	<p>American Red Cross Volunteer Opportunity</p> <p>Blood Drive Ambassador – greet and register donors, maintain flow, be alert for adverse reactions, offer refreshments</p>
Application:	<p>http://www.redcross.org/volunteer/become-a-volunteer#step1</p> <p>Select Eastern Missouri Region</p> <p>Choose Adult or Youth Application</p> <p>Create a Red Cross ID – write it down, you will need again</p> <p>Complete application</p>
Requirements:	Age 18, good communication skills, pleasant and courteous manner

Opportunity:	<p>Mantis Volunteer Program at the Butterfly House</p> <p><i>MANTIS</i> is an interactive volunteer program created to encourage students to gain hands-on experience in nature conservation, while gaining plant and animal knowledge through environmental stewardship. If you're looking to complete service hours and love nature, then this program is for you!</p> <p>Who can join?</p> <p><i>MANTIS</i> is for teens ages 14-18 that love working with kids, learning about the environment, and want to promote a better understanding of our natural world!</p>
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Application:	http://www.missouribotanicalgarden.org/visit/family-of-attractions/butterfly-house/about-the-butterfly-house/volunteer/mantis.aspx
Due Date:	<p>MANTIS SESSIONS:</p> <p>Fall: September-December (Apply By: July 24)</p> <p>Spring: February-April (Apply By: November 10)</p> <p>Summer: May-August (Apply By: April 10)</p> <p><i>Shifts are available Tuesday-Sunday (Day and Evenings, during Special Events)</i></p>
Requirements:	The Butterfly House requires teen volunteers to commit to minimum of 30 hours per seasonal rotations. Teens must attend orientation and training sessions.

Opportunity:	<p>STLVolunteer</p> <p>Sponsored by the United Way, STLVolunteer.org lists thousands of volunteer events in our region. Pick what you want to do, when you want to do it, and let the helping begin.</p>
Application:	https://www.stlvolunteer.org/

Opportunity:	<p>Academic Summer Camps at Gettysburg College</p> <p>Camp Psych - Campers will get hands-on experiences that introduce them to research in psychology during this fun, challenging, and engaging introduction to the field.</p> <p>Campaigns and Elections Academy - This program is designed for highly-motivated students who have a strong interest in American campaigns and elections. Participants learn about the origins and evolution of democracy in America and gain hands-on experiences related to modern political campaigns. *Application will go live in early February.</p> <p>Writing Camp - Students gain an in-depth introduction to all four genres of creative writing: fiction, poetry, nonfiction, and writing for stage and screen.</p> <p>3D Object Modeling and Printing Camp - Students will study 3D object modeling and printing starting with the basics of a 3D printer. After learning the fundamentals, they will practice designing objects.</p> <p>Arduino Camp - Students will use their creativity and the easy-to-learn Arduino to create projects with its sensors, motors, speakers and displays, to create projects that interact with them and their world.</p> <p>Civil War Institute Summer Conference - The High School Student Scholarship component of Gettysburg College's annual Civil War Institute summer conference provides high school students an opportunity to explore the history of the Civil War era on the site of the war's most decisive battle.</p>
Requirements:	Rising juniors and seniors