

Texas A&M University Summer Camps for K-12 Students

Science, Technology, Engineering, Mathematics

Aggie STEM Summer Camp 2016

Sponsored by the Colleges of Education and Engineering

Dates: June 19 - July 2 and July 10 – July 25.

Both camp sessions are for middle school (6th grade) through rising seniors.

Both camps sessions have two options: day camp (9AM-9PM) and the residential option.

For information and registration: <http://aggiestem.tamu.edu/>

Contact: Shelly Grassinger: sgrassinger@tamu.edu

Aggie STEM is dedicated to providing Texas educators with the tools necessary for advancements in science, technology, engineering and mathematics. We help teachers and schools achieve this goal primarily through training in Project Based Learning, Professional Learning Communities and the latest technology.

The STEM summer camp will give students real world experiences in STEM education through inquiry learning and provide a world class university experience with Texas A&M University professors in STEM fields. Students will attend a variety of non-credit STEM classes by TAMU professors, graduate students, and staff such as Chemistry of Cosmetics, Safety Engineering, Construction Engineering, Circuit Design, Renewable Energy, Media Marketing, Advanced Mathematics, Code and Coding Theory, Statistics, Application Design, PSAT/SAT prep class, and a variety of social activities and local field trips.

The ENGAGE Summer Camp 2016 - ENGINEERING Aggies Gaining Experience

Sponsored by the Dwight Look College of Engineering

Date: June 5- June 10, 2016

Information and registration: <http://engineering.tamu.edu/easa/camps/engage-summer-camp>

Contact: Dr. Sonia Garcia, garcias5@tamu.edu or accessengineering@tamu.edu

The ENGAGE Summer Camp is a six-day residential summer camp program designed for underrepresented students who show an interest in science, mathematics, and engineering. This program will give them an opportunity to explore engineering, and will help them better prepare for a career in engineering.

During the camp, students live on campus in modern residence halls, participate in group and panel discussions, see engineering activities in progress in laboratories and do a bit of engineering themselves by completing a design project. Camp counselors are with camp participants throughout the day and during the evenings.

Camp SOAR for upcoming high school juniors and seniors

Sponsored by the Department of Aerospace Engineering, Dwight Look College of Engineering

Dates: July 10-15, 2016

For information and registration: <http://engineering.tamu.edu/aerospace/about/outreach/undergraduate/camp-soar>

Contact: Gail Rowe at lgrowe@tamu.edu or 979.845.2685

Camp SOAR is a five day summer camp designed to expose upcoming high school juniors and seniors with an interest in Aerospace Engineering to the research and facilities at Texas A&M University's Department of Aerospace Engineering (AERO). During the week at Texas A&M, students will be able to explore the field through design projects and departmental tours. They will have the opportunity to interact with current students as well as world renowned faculty.

Students will get to visit many of our facilities including but not limited to the Vehicle Systems and Control Laboratory, Land Air and Space Robotics Lab, and many more. They will be given the choice of pursuing an aircraft, space, helicopter or air ships track and then will participate in a fly off event at the conclusion of the week. Throughout the week, campers will be exposed to the engineering design process and the importance of teamwork.

Participants will stay on campus in modern residence halls and will have use of the university's recreational facilities, the university library and the university

Camp BUILD

Sponsored by the Department of Civil Engineering, Dwight Look College of Engineering

Dates: July 24-29, 2016 and July 31- Aug. 5, 2016

Information and registration: <http://engineering.tamu.edu/civil/academics/build>

Contact: Crystal Faust, cfaust@tamu.edu or 979-845-7436

Camp BUILD is a one-week summer camp designed for high school juniors and seniors. Students are given the opportunity to explore Civil Engineering as a major at Texas A&M University (TAMU) and experience the Aggie culture!

Guided by civil engineering faculty and students, work on design projects in a student-team setting. Students learn how engineers use the “engineering design process.”

Students tour department facilities: The Department of Civil Engineering has several interesting research facilities such as a wave tank facility (<http://coastal.tamu.edu/home.html>), a structures/materials testing facility (<http://hbsmtl.civil.tamu.edu/>), and the Texas A&M Transportation Institute facilities (<http://tti.tamu.edu/facilities/>).

BioFORCE Summer Academy

Sponsored by The National Center for Therapeutics Manufacturing (NCTM) and Texas A&M Engineering Experiment Station

Dates: BioFORCE I (currently 9th graders) 6/19-23/16

BioFORCE II (currently 10th graders) 7/10-14/16

BioFORCE III (currently 11th graders) 7/24-28/16

Information and registration: <http://nctm.tamu.edu/programs/bioforce/index.html>

Contact: Brooke Schneider, brookes@tamu.edu 979-458-8506

BioFORCE is a residential STEM (Science, Technology, Engineering, and Mathematics) summer program of the National Center for Therapeutics Manufacturing that exposes high school students to the amazing process of how cutting-edge research and medical discoveries become new drugs and pharmaceutical treatments. **BioFORCE** prepares students for college programs in engineering and science and helps them discover their potential to become a scientist who creates a blockbuster, life-saving medicine or an engineer who manufactures disease-eradicating vaccines!

GeoX Camp for high school students (rising sophomores, juniors, and seniors)

Sponsored by the College of Geosciences

Date: June 5-10, 2016

Requirements: Must be a student in high school by August 31, 2016, have at least a 3.5 GPA, are in the top 10% of your class and have a strong interest in majoring in the geosciences in college, you qualify for GeoX.

Fee: No cost

Information and registration: Applications due by Friday, April 8, 2016.

http://geosciences.tamu.edu/academics/camps_and_outreach/geox/index.php

Contact: Judy Nunez jnunez@tamu.edu

Sea Camp

Sponsored by Texas A&M University at Galveston

Dates: Week-long sessions from June 5-August 6

Information and registration: www.tamug.edu/seacamp

Contact: Daisy Dailey, daileyd@tamug.edu

Sea Camp is a week-long residential adventure exploring the wonders of the marine and estuarine environments for campers ages 10-18. As a Sea Camper you will have access to research vessels, oceanographic equipment, laboratory facilities, and a professional staff enabling you to learn about the ocean through hands-on experiences.

The YOUTH ADVENTURE PROGRAM (YAP)

Sponsored by the Department of Educational Psychology in collaboration with university partners

Information and registration: <http://www.youthadventureprogram.com>

Contact: Dr. Jay Woodward, Director, Department of Educational Psychology

Phone: (979) 845-1802

Email: yap@tamu.edu

The Youth Adventure Program is a series of one week courses designed to encourage career exploration in fields of interest to gifted and talented students. YAP is held on the College Station campus of Texas A&M University. Although no admission criteria are utilized, applicants should be highly motivated to learn, think, and solve problems and should have a strong interest in future college, university, and/or professional school attendance. Only one course is selected per week of attendance, and applicants are admitted on a first come basis.

University professors and other professionals will teach YAP classes. While they may do some lecturing to introduce concepts and principles, major emphasis is given to "discussing (yapping) and doing" as a strategy for engaging students in the investigative process. Classes meet from 9:00-11:30 a.m. and 1:30-3:00 p.m. Monday through Friday. YAP also includes social and recreational activities in the late afternoons and evenings to provide for student interaction in other settings.

YAP Camp ARCH: July 3-9, 2016

(Rising 10th - 12th grade only)

- Architecture
- Construction Science
- Landscape Architecture & Urban Planning
- Theater Arts
- VizKids: Graphics & Animation

YAP Camp C: July 17-23, 2016

(Rising 9th - 12th grade only)

- Animal Sciences
- Atmospheric Sciences: Meteorology
- Engineering
- Investigative Forensics
- Nursing
- Sports Medicine - NEW for 2016
- VizKids: Game Design

YAP Camp B: July 10-15, 2016

(Rising 7th - 10th grade only)

- Broadcast Media
- Law School
- Medicine
- Nanotechnology - NEW for 2016
- Physical Sciences
- Veterinary Medicine
- VizKids: Virtual Technology

YAP Camp TAMU: July 24-29, 2016

(Rising 12th grade only)

- Attending Texas A&M University

Veterinary Enrichment Camp 2016

Sponsored by the College of Veterinary Medicine & Biomedical Sciences

Dates: July 19-22, 2016

Information and registration: <http://vetmed.tamu.edu/bims/future/veterinary-enrichment-camp>

Contact: Dave Kincaid, DKincaid@cvm.tamu.edu

Leanne Burck (Lburck@cvm.tamu.edu); Dr. Michelle Pine (mpine@cvm.tamu.edu)

The Veterinary Enrichment Camp is a four day, three night camp that exposes students to the facilities and resources of the Vet School at Texas A&M. Campers work under a team of first and second year vet student counselors and explore the Large and Small Animal Clinics, Wildlife Center, Equine Pavilion and other related CVM centers. Additionally, students participate in laboratory exercises which reinforces concepts in science which are important to veterinary medicine.

SEE-Math 2016: Summer Educational Enrichment in Math

Sponsored by the Department of Mathematics, College of Science

Date: July 18 - 29, 2016, 1 PM - 5 PM

Requirements: For honors math students entering grades 6, 7 or 8.

Information and registration: <http://see-math.math.tamu.edu/2016/>

Contact: Philip B. Yasskin, yasskin@math.tamu.edu

Application Deadlines: There are continuous applications.

Acceptances: Began March 21, 2016 and continue while space is available.

A \$100 registration fee will be collected AFTER acceptance.

The registration fee will be waived or reduced for those who cannot afford it.