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

Science, Technology, Engineering, Mathematics 2017

Aggie STEM Summer Camp 2017
Sponsored by the Colleges of Education and Engineering

Dates: 1- Week STEM Camp from June 11- July 22;
2 Week STEM CAMP July 11-24 or July 9-22
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/summercamp/
Contact: Katherine Velaaggiestem@tamu.edu; 979-862-4465

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, Computer Science, Construction Engineering, Circuit Design, Media Marketing, Application Design, Physics Show and/or Chemistry show, ACT/STAT prep class, and a variety of social activities and local field trips.

The ENGAGE Summer Camp 2017 - ENGineering Aggies Gaining Experience
Sponsored by the Dwight Look College of Engineering

Date: June 4- June 9, 2017
Information and registration: https://engineering.tamu.edu/easa/camps/engage-summer-camp
Contact: Dr. Sonia Garcia, garcias5@tamu.edu or accessengineering@tamu.edu; 979-845-7200

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 9-14, 2017
For information and registration: http://engineering.tamu.edu/aerospace/about/outreach/undergraduate/camp-soar
Contact: campsoar@tamu.edu

Camp SOAR is a six 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 though 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:** Available soon  
**Information and registration:** [http://engineering.tamu.edu/civil/academics/build](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:**

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**Information and registration:** [http://nctm.tamu.edu/programs/bioforce/index.html](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 manufacturers disease-eradicating vaccines!

**GeoX Camp** for high school students (rising sophomores, juniors, and seniors)  
Sponsored by the College of Geosciences

**Date:** June 4-10, 2017  
**Requirements:** Must be a high school sophomore, junior or senior;  
**Fee:** No cost  
**Information and registration:** Applications due by Friday, April 1, 2017 [geox.tamu.edu](http://geox.tamu.edu)  
**Contact:** Judy Nunez jnunez@tamu.edu; 979-845-3651
GeoX is a week long program where students will participate in a mix of classroom, campus, and field trips visits, which include hand-on experiments, field trips, lectures, and presentations provided by the Texas A&M Geoscience faculty and students. Students will stay on campus in one of Texas A&M’s residence halls with geosciences counselors.

Sea Camp
Sponsored by Texas A&M University at Galveston

Dates: Week-long sessions from June 4-August 5
Information and registration: [www.tamug.edu/seacamp](http://www.tamug.edu/seacamp)
Contact: Sea Camp Business Office: [seacamp@tamug.edu](mailto:seacamp@tamug.edu); 409-740-4525

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.

Veterinary Enrichment Camp 2017
Sponsored by the College of Veterinary Medicine & Biomedical Sciences

Dates: July 18-21, 2017
Information and registration: [http://vetmed.tamu.edu/bims/future/veterinary-enrichment-camp](http://vetmed.tamu.edu/bims/future/veterinary-enrichment-camp)
Contact: Leanne Burck ([Lburck@cvm.tamu.edu](mailto:Lburck@cvm.tamu.edu)); Kaitlin Hennessy ([khennessy16@tamu.edu](mailto:khennessy16@tamu.edu)); 1-800-874-9591

The Veterinary Enrichment Camp is a three day program that exposes students to the facilities and resources of the Vet School at Texas A&M. Campers live in university dormitories, attend special session, and discover the broad diversity of career opportunities available with a Doctor of Veterinary Medicine degree.

SEE-Math 2017: Summer Educational Enrichment in Math
Sponsored by the Department of Mathematics, College of Science

Date: Monday-Friday July 31- August 10
Requirements: For honors math students entering grades 6, 7

Contact: Philip B. Yasskin, [yasskin@math.tamu.edu](mailto: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.

Poultry Institute for Youth

Sponsored by the Department of Poultry Science, U.S Poultry and Egg Association, and Aggie Leadership Council

Dates: June 11-13, 2017

Contact: Allison Noll: [Allison.noll@tamu.edu](mailto:Allison.noll@tamu.edu)
The Poultry Institute for Youth program gives high school students a chance to learn about the poultry science industry through hands on activities. Students will also meet with the Texas A&M staff and leaders from the poultry industry. Interest participants must submit an application and are selected based on their application and supporting documents.

**Summer Mathematic Research Training High School Camp**  
**Sponsored by the Department of Mathematics, College of Science**

**Dates:** Available Soon  
**Requirements:** High School Students (14-18)  
**Information and registration**  
[http://www.math.tamu.edu/outreach/Camp/](http://www.math.tamu.edu/outreach/Camp/)

**Contact:** camp@math.tamu.edu

SMaRT is a two week summer program that provides an intensive learning environment in mathematics for advanced High School students. Participants will be introduced to a variety of interrelated topics of number theory, algebra, combinatorics, and their applications. There are no fees for this camp. Students will stay on campus with undergraduate counselors.