

Week Two: June 25-29, 2018

Exploring Engineering

Grades 2-5

Description: Ever wonder how a space shuttle ventures to outer space? How your favorite game system are made or how your favorite candy is made? Learn about how engineers design, construct and improve our favorite everyday items, from houses to computers to food products. Explore the various fields of engineering through hands-on activities related to those fields. Students will design and build multiple models of houses, rockets and even make slime using everyday items.

Summer Math Enrichment

Grades 3-5

Description: The Summer Math Enrichment camp at North Carolina A&T State University gives 3rd through 5th-grade student's core skills needed to be successful at the next grade level. The lessons are aligned with Common Core Standards for Mathematics. Campers will review and reinforce skills taught in math during the previous school year. Through modeling, graphing, and solving real-world problems, campers will refine their problem-solving strategies. Also, campers will engage in computer games, puzzles, logic and reasoning challenges, and other math-related activities will be incorporated.

Drumline in the Making I

Grades 3-5

Description: **Drumline in the Making** is a five day summer camp for beginner drummers and percussionists. North Carolina A&T Blue & Gold Marching is one of the top-ranked band programs in the nation and reigns supreme amongst college marching bands. This camp is designed to build self-confidence through performance, and further encourage individuality and self-expression through improvisation. Campers must supply their drumsticks (2 sets) and drum practice pad.



Flight Command

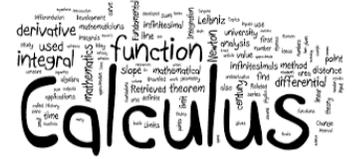
Grades (6-8)

Description: Rising 6th, 7th, and 8th-grade students will explore flight during this one-week program. Students will be introduced to old technology and explore new methods to affect a positive impact in this growing field of aviation. Students will use the team approach in building and launch several techniques of flight as they learn and apply science, technology, engineering, math (STEM) principles. This camp gives students the confidence to continue embracing new innovative service ideas in which aerial drone technologies can assist or solve everyday problems. Campers will visit the North Carolina Aviation & Museum in Asheboro, NC.



Advanced Topics in Mathematics: AP Calculus AB/BC Preparation Course (High School)

Description: This one-week program designed for those students enrolling in AP Calculus AB or BC for the 2018-2019 school year. The course will provide an introduction to the 3 Big ideas in AP Calculus: Limits and Continuity, Derivatives and Its applications, and Antiderivatives and Its Applications. The course will provide reference material that will be useful in preparing for success on the AP Calculus exam. Students will be given access to web resources, programs, teacher websites, as well as interactive notebooks that will provide a head start in Calculus. Students will be confident in what to expect heading into Calculus the 2018-2019 school year. *****Must have completed Math I, II, III and a recommendation letter from Math Teacher on letterhead.**



Week Three: July 9-13, 2018

Science Xploration Grades 3-5

Description: In the **Science Xploration Camp**, campers will discover why things float, fly, or fall. We will investigate core science principles such as electricity, Newton's forces, properties of light, density and measurement, and how exciting science is. The camp will incorporate hands-on science activities each day such as: how oil spills are cleaned up, the importance of the ecosystem, the solar system, and organic foods. These hands-on experiments and activities foster creativity, problem-solving, and critical thinking.



Drumline in the Making II Grades 3-5

Description: **Drumline in the Making** is a five day summer camp for intermediate drummers and percussionists. North Carolina A&T Blue & Gold Marching is one of the top-ranked band programs in the nation and reigns supreme amongst college marching bands. This camp is designed to build self-confidence through performance, and further encourage individuality, leadership, and self-expression through improvisation. Campers must supply their drumsticks (2 sets) and drum practice pad. **Must have completed the beginner class at NC A&T.**



Future Animators Grades 6-8

Description: Future Animators mimics a graphics animation company where the campers participate in project-based experiences. Future Animators will explore the core principles of animation while experimenting with a variety of mediums including hand-drawn, stop-motion, 2D and 3D animation. By the end of the week, campers have a working animation.



Baton, Flag & Dance

Ages: 10-16

Description: Spend a week with A&T's Blue and Gold Marching Machine Golden Delight's captains. Participants will learn the fundamentals of the baton and flag twirling. Dance techniques will be taught through various activities. Participants will highlight the things they learned in a closing program on Friday.

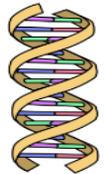


Week Four: July 16-20, 2018

Exploring Engineering

Grades 6-8

Description: Ever wonder how a space shuttle ventures to outer space? How your favorite game system was made or how your favorite candy is made? Learn about how engineers design, construct and improve our favorite everyday items, from houses to computers to food products. Explore the various fields of engineering through hands-on activities related to those fields. Students will design and build multiple models of houses, rockets and even make slime using everyday items.



Paul Robeson Theatre

Ages 6-9 & 10-13

Description: Do you enjoy acting, singing, dancing, writing, and crafts? Join NC A&T's theatre arts summer program with exciting activities that will develop your theatre skills and talents on stage and off. This camp is designed to give young people and teens training in several different areas: acting, improvisation, costume, crafts, movements, and voice. On Friday, a final performance showcasing the participants' experiences from that week.

Science Xploration: What Genes are you Wearing?

Grades 6-8

Description: In this week of **Science Xploration Camp**, campers will immerse in activities and experiments designed to build a strong foundation in biology. Through model-making, microscope observations and laboratories which includes DNA extractions. Students will develop an understanding of cell biology, microbiology, genetics, and biotechnology.

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Applications. The course will provide reference material that will be useful in preparing for success on the AP Calculus exam. Students will be given access to web resources, programs, teacher websites, as well as interactive notebooks that will provide a head start in Calculus. Students will be confident in what to expect heading into Calculus the 2018-2019 school year. *****Must have completed Math I, II, III and a recommendation letter from Math Teacher on letterhead.**

Week Five: July 23-27, 2018

Aggie Camptosaurus (NEW)

Grades 2-5

Description: Your child will become an adventurous archaeologist researching prehistoric creatures such as camptosaurus and pterosaur. Students will investigate and even design their prehistoric creature. The camp will be a week of hands-on fun, exploring a time long ago when dinosaurs once roamed the earth. Hands-on activities include examining real fossil casts, exploring the differences in the teeth of herbivorous and carnivorous dinosaurs, and comparing pterosaur as the ancestor of modern-day birds (feathered dinosaurs). Students will visit the Dinosaur Trail Outdoor Exhibit at the Museum of Life and Science in Durham, NC.



All Things Seuss

Grades 2-5

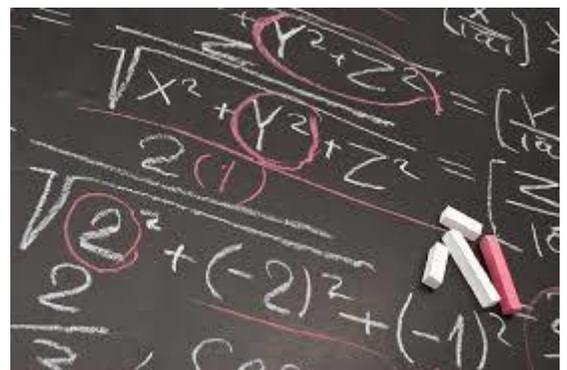
Description: For years, Dr. Seuss has captivated the minds of children and adults. With the help of Dr. Seuss books, this camp class will focus on reading, rhyming, acting out storylines, and creating colorful keepsake pieces from Dr. Seuss's journeys. In addition to hearing the original stories, campers will let their imaginations be their guide and create their own Dr. Seuss inspired stories, drawings, songs to share with their fellow campers, create inspiring foods from the books, and design their own Dr. Seuss book. Oh, the fun you will have to spend a week long at North Carolina A&T State University in the magical world of Dr. Seuss!



Algebra Made Easy

Grades 7-9

Description: Get the extra help you need to do well in Algebra I! You will learn problem-solving strategies to help you master beginning algebraic concepts. Make $x + y = A+$ on your tests or quizzes this upcoming academic school year. This class is suited for first time students scheduled to take Algebra I.



Summer Math Enrichment

Grades 6-8

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Cadets Who Code

Grades 6-8

Description: This camp introduces campers to coding. Cadets Who Code mimics a software development company where the campers participate in project-based experiences. Every day, the "Boss" shares new requirements that need to be implemented. Every day the campers add new features to their projects. By the end of the week, Campers have a finished product.

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