The Center for Gifted Studies at Western Kentucky University, through a cooperative arrangement with the Duke Talent Identification Program, is pleased to offer the Summer Program for Verbally and Mathematically Precocious Youth (VAMPY), a three-week residential summer program for very bright students held on WKU's campus. VAMPY is designed to provide a balance of educational, cultural, and recreational experiences for high-ability seventh through tenth graders.

How is the learning environment structured?

Learning at VAMPY is conducted in a fast-paced, challenging format. Classes meet six hours each weekday and are taught by outstanding teachers. Teachers incorporate a variety of projects, field trips, and lectures into their curriculum. Each teacher has a teaching assistant who works with students in study hall in the evenings. Class size is limited to 16 students, and learning experiences are planned to be appropriate for high-ability students. Class options are listed inside this application.

Where will I stay, and what will I do when I'm not in class?

The residential component is an integral part of the learning experience at VAMPY. You will live in an air-conditioned residence hall with residential counselors who will be involved in activities with you and your fellow campers when you are not in class. In the evenings and on weekends, you will participate in a variety of cultural, educational, and recreational activities which include cookouts, dances, and a talent show as well as optional individual and team sports, games, and creative adventures. There will be many opportunities for you to enjoy getting to know young people with similar abilities and interests.

How much does the program cost?

The basic registration fee of \$2,950 includes room and board, the instructional program, books, and most activities outside of class. Please see the class descriptions for any additional fee. A limited amount of financial assistance is available to students on the basis of need. Your VAMPY application must have been submitted with a deposit to apply for financial assistance. Financial assistance applications are due on or before May 1, 2017. Contact The Center for Gifted Studies to request a financial assistance application.

How do I apply?

- 1. You must (a) be completing the 7th-10th grade this year and (b) have earned SAT or ACT scores as a seventh grader (or comparable scores for an older student) qualifying you for the class selected.
- 2. You must submit (a) the completed application form, (b) a photocopy of your SAT or ACT report, and (c) a \$300 deposit that is not refundable once you are accepted. Make checks payable to The Center for Gifted Studies. The balance of your registration will be due on or before June 1, 2017.
- 3. VAMPY is planned for 220 participants. Qualified participants will be accepted in the order applications are received, according to class preference.

Learn more about the VAMPY experience at www.wku.edu/gifted/vampy





The Center for Gifted Studies Western Kentucky University 1906 College Heights Blvd. #71031 Bowling Green, KY 42101-1031

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42101

Other Opportunities

Camp Explore

June 5 - 9, 2017

This hands-on, minds-on day camp is open to first through third graders with advanced ability and high interest in learning.

SCATS

June 11 - 23, 2017

In the Summer Camp for Academically Talented Middle School Students, sixth through eighth graders take four courses from a wide array of choices. Students can be residential or nonresidential.

Camp Innovate

July 10 - 14, 2017

This hands-on, minds-on day camp is open to fourth and fifth graders with advanced ability and high interest in learning.

Travel with The Center

Italy — March 31 - April 9, 2017 Greece — September 29 - October 8, 2017

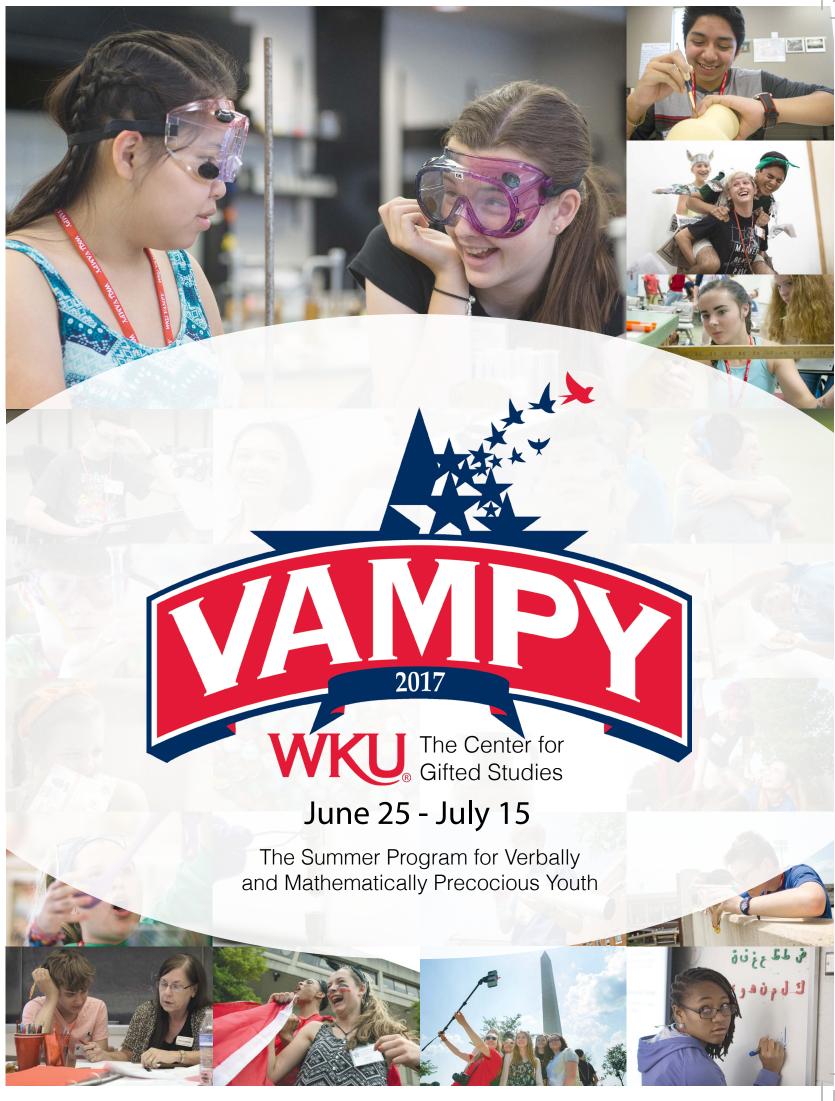
These travel/study tours provide opportunities for eighth grade and high school honors students and interested adults to experience and learn about history, culture, and people.



Send applications and requests for more information to

The Center for Gifted Studies 1906 College Heights Blvd. #71031 Bowling Green, KY 42101-1031

Phone: 270-745-6323 Fax: 270-745-6279 Email: gifted@wku.edu Website: www.wku.edu/gifted





2017

Full Name	Preferred Name
Date of Birth/	Grade in 2016-17 Male Female
Mailing address number street	apartment number
city	state zip
School	School District
Student email address	Student cell phone
Mother/Guardian	Father/Guardian name
address (if different from student)	address (if different from student)
home phone cell phone	home phone cell phone
email address	email address
employer, occupation, business telephone	employer, occupation, business telephone
Can the student participate in normal physical activities? _ I give permission for my local newspaper to be notified of a SAT Scores: SAT-CR SAT-M SAT-W	my child's participation in VAMPY at WKU: Yes No
ACT Scores: ACT-E ACT-M ACT-R	ACT-S Date Taken
Class Selection:	
1st Choice	
2nd Choice	
3rd Choice	
Deposit of \$300: Check # Balance due l	by June 1, 2017 T-shirt size
Make check payable to The Center for Gifted Studies. Visa, MasterCard, and Discover are accepted with a 2% convenience fee. Call 270-745-6323 to pay by credit card.	S M L XL XXL (adult sizes)
Signature of Parent or Guardian	Signature of Student
An additional check made out to the WK (Tax-deductible donations provide scholarsh	U Foundation/Talent Development is enclosed. ips for children who cannot otherwise participate.) \$ Thank you!

2017 VAMPY CLASSES

Below you will find descriptions of the classes offered during VAMPY 2017. After reading the descriptions and noting the qualifying SAT or ACT scores for each class, please write the name of your first, second, and third choices in the spaces provided on the application. It is important that your choices are classes which interest you and to which you are willing to give your best effort for three weeks. If your first choice is filled, you will be placed in the next available choice.

ANCIENT CIVILIZATIONS, Jan Lanham

Through an in-depth study of ancient Greek and Roman civilizations, students will examine the foundations of ancient mythology, technology, philosophy, and government to develop an understanding of the impact of these ideas across time. Using two broad-based simulations and study of ancient daily life, students will use literature, scholarly readings, art projects, dramatizations, and independent research to make connections among the highlights of ancient times. Students will examine the impacts of classical civilizations across the ages, with emphasis on the Renaissance, Neo-classical movements, and the present.

Qualifying Scores: SAT-M≥520 or SAT-CR≥510 or SAT-W≥500 or ACT-M≥20 or ACT-ENG≥20 or ACT-S≥21 or ACT-R≥21

ARABIC, Lhousseine Guerwane

Arabic is the language of nearly 300 million people, and the Arabic culture is one of the oldest and richest on earth. This class will introduce students to the Arabic language, including writing and reading the Arabic alphabet and calligraphy. Students will develop cultural fluency through studying Arab culture, art, food, cinema, celebrations, and music. The class will partake in debates, role-plays, discussions, field trips, and projects that will enhance knowledge of the Arabic language. Students will also explore the strong cultural ties between Western and Arab cultures and learn about the modern Arab world.

Qualifying Scores: SAT-M≥520 or SAT-CR≥510 or SAT-W≥500 or ACT-M≥20 or ACT-ENG≥20 or ACT-S≥21 or ACT-R≥21

CHEMISTRY, Susan Morgan

This class, an introduction to general chemistry, explores material equivalent to an accelerated high school chemistry course. Concepts covered include scientific method, qualitative analysis, atomic theory, inorganic nomenclature, stoichiometry, gas laws, solutions, acids and bases, nuclear chemistry, polymer chemistry, and nanotechnology. Class time will be divided between demonstrations, lecture, and laboratory experiments. **Students should bring a scientific calculator.**

Prerequisite: Algebra I or equivalent course

Qualifying Scores: SAT-M≥520 or SAT-CR≥510 or ACT-M≥20 or ACT-ENG≥20 or ACT-S≥21 or ACT-R≥21

COMPUTER SCIENCE, Bryan Knowles

Computer Science is everywhere that logic can be found and an efficient way to solve a problem is needed — computers not necessary. Students will learn the basics of "thinking like a computer," including sorting, searching, iteration, arrays, efficiency analysis, graph structures, social networks, recursion, trees, hashing, dictionary structures, reduction, and dynamic programming. They will apply these theories to improving real-world problem solutions by considering how computers are built to solve tasks, operating systems internals, compiled languages, interpreted languages, networking, and resource utilization. Activities will include class discussions, demonstrations, team projects, hands-on experiments with logic, and, by the end of the course, building a network of laptops that can help save the world. Students will be introduced to the C, Java, and Python programming languages, though the focus will be on Python.

Qualifying Scores: SAT-M≥520 or ACT-M≥20

DNA AND GENETICS, Melissa Harris

This class focuses on the exciting new world of genetics and how it affects food processing and medical research. After learning the basics of DNA structure and Mendelian genetics, the class will apply this knowledge to food production, horse genetics, and medical research. Students will conduct lab experiments, go on a field trip to a genetics lab, and Skype with geneticists. The future of medicine and food production lies in DNA research.

Prerequisite: Algebra I or equivalent course

Qualifying Scores: SAT-M≥520 or SAT-CR≥510 or ACT-M≥20 or ACT-ENG≥20 or ACT-S≥21 or ACT-R≥21

HUMANITIES, Tracy Inman

The concept of an afterlife is universal. In fact, it has been so important to people throughout the ages that their art, literature, religion, and culture reflect their beliefs. By exploring the afterlife, the class will analyze the changing interpretations and philosophies of different generations, different cultures, and different times. Through classical literary works by such greats as Virgil, Dante, Milton, and Sartre, students will explore, interpret, and appreciate not only the literature and the humanities themselves, but also the age reflected through them.

Qualifying Scores: SAT-M≥520 or SAT-CR≥510 or SAT-W≥500 or ACT-M≥20 or ACT-ENG≥20 or ACT-S≥21

MATHEMATICS, Jane Brantley (This is not a lecture class.)

Each student in this class will have the opportunity to study mathematics starting at his/her own level of mastery. Students with the proper preparation may study Algebra I, Geometry, Algebra II, Precalculus, Calculus I, Calculus II, Calculus III, Discrete Mathematics, or other abstract courses. Students will be pretested to ensure proper placement. Emphasis will be on the logical sequence of concepts and skills rather than memorization of facts and formulas. Instruction is individualized, and students work independently at their own pace. Students move to new chapters as they demonstrate mastery by scoring at least 80% on chapter tests. Students must enjoy mathematics and be able to work independently to gain the most from this class.

Qualifying Scores: SAT-M≥520 or ACT-M≥20

NAZI GERMANY AND THE HOLOCAUST. Ron Skillern

This class chronicles Adolf Hitler's early life, his rise to power, and his policy of anti-Semitism, focusing on how the members of the Nazi Party saw themselves and the role of propaganda in molding popular opinion. The class will employ a variety of activities and teaching methods: lecture, discussion, video, primary documents, debate, mock trial, library research, and guest speakers. The course will conclude with an examination of present-day manifestations of racism in both America and Europe. A one-day field trip to the Holocaust Museum in Washington, DC, is planned which will require an additional \$150 per student.

Qualifying Scores: SAT-M≥520 or SAT-CR≥510 or ACT-M≥20 or ACT-ENG≥20 or ACT-S≥21 or ACT-R≥21

PHYSICS, Kenny Lee

Students will be introduced to the basic concepts of Newtonian mechanics as well as electricity, magnetism, waves, light, and optics. Development of the concepts will be stressed as well as the development of laboratory skills and mathematical problem-solving. Practical application will be emphasized through student involvement in laboratory experiments and demonstrations. Students should bring a scientific calculator capable of calculating sine, cosine, and tangent.

Prerequisite: Algebra I or equivalent course and some experience with right-angle trigonometry

Qualifying Scores: SAT-M≥520 or ACT-M≥20 or ACT-S≥21

POP CULTURE. Justin Mitchell

Want to get a new perspective on history? This class will travel through the decades of the 20th and 21st centuries examining, the history of America through pop culture. Various genres of music, film, sports, literature, and fashion as well as fads from the past and present will be explored. Students will discover how media influences culture, examine what makes things pop, and research the lasting effects of pop culture on society. *A one-day field trip to Washington, DC, is planned which will require an additional \$150 per student.*Qualifying Scores: SAT-M≥520 or SAT-CR≥510 or SAT-W≥500 or ACT-M≥20 or ACT-ENG≥20 or ACT-S≥21 or ACT-R≥21

PRESIDENTIAL POLITICS, Dennis Jenkins

This class will explore a variety of issues and decisions that American presidents have faced since 1960. An emphasis will be given to the more pivotal decisions, events, and elections that have impacted our nation's history during the last 60 years, from the presidency of John F. Kennedy through Donald Trump. Students will participate in debates, discussions, and projects that enhance their knowledge of presidential politics with the goal of improving students' analytical and critical thinking skills. They will also examine political campaign strategies, platforms, commercials, debates, court cases, and satire in presidential elections. A one-day field trip to Washington, DC, is planned which will require an additional \$150 per student.

Qualifying Scores: SAT-M≥520 or SAT-CR≥510 or SAT-W≥500 or ACT-M≥20 or ACT- ENG≥20 or ACT-S≥21 or ACT-R≥21

PROBLEMS YOU'VE NEVER SOLVED BEFORE, Catherine Poteet

Have you ever had to mail a potato chip? Build a bridge out of paper? Drop an egg from four stories high with only a few household materials to safely protect it? This class is designed to stretch problem-solving and creative thinking skills. Students will be required to use evidence and deductive reasoning to solve unique, real-world problems through the engineering design process of creating, testing, and improving.

Prerequisite: Algebra I or equivalent course

Qualifying Scores: SAT-M≥520 or SAT-CR≥510 or ACT-M≥20 or ACT-ENG≥20 or ACT-S≥21 or ACT-R≥21

RUSSIAN, Ekaterina Myakshina

Explore the largest country in the world while learning about Russia's language, history, and culture. Students will learn the basics of the language spoken by 260 million people. Through reading, writing and listening, they will focus on communication with attention to grammatical accuracy. Cultural exploration will involve reading Russian short stories and poetry, listening to Russian music, and watching films, cartoons, and ballets. Learn more about the country of Ivan the Terrible, Peter the Great, Tolstoy, and Tchaikovsky.

Qualifying Scores: SAT-M≥520 or SAT-CR≥510 or SAT-W≥500 or ACT-M≥20 or ACT-ENG≥20 or ACT-S≥21 or ACT-R≥21

STEAM LABS™, Madison Moore

People around the world now design and build Rube Goldberg®-style machines to satisfy society's fascination with creative contraptions. Students will apply the engineering design process to construct STEAM Machines™ (chain reaction machines that run on Science, Technology, Engineering, Arts, and Math concepts) using everyday objects and technology such as motors, sensors, and micro-controllers. They will learn real-world engineering skills, gain experience with systems thinking and multi-team collaboration, and explore engineering careers

Qualifying Scores: SAT-M≥520 or SAT-CR≥510 or ACT-M≥20 or ACT-ENG≥20 or ACT-S≥21 or ACT-R≥21

WRITING, Audrey Harper

This language-intensive, inquiry-driven course will be conducted as a reading/writing workshop. Work will center around individual literacy goals and inquiry focus wherein students choose writing and reading related to their area of inquiry in exposition, poetry, fiction, and argument. The writing process will be emphasized as well as learning to read as a writer. The culminating activity will be a presentation of multigenre-multimodal projects — writing that integrates fiction, poetry, and prose in a multimodal fashion to communicate learning on a self-identified topic of inquiry.

Qualifying Scores: SAT-CR≥510 or SAT-W≥500 or ACT-ENG≥20 or ACT-R≥21