

Summer 2010 Opportunities

- **Disney Youth Programs**

A wide range of daily educational programs are available. **Disney Youth Education Series** programs are now accessible to students Age 5 - Grade 12. Individuals will be able to enroll in the programs listed on the dates specified. Programs include chemistry, technology, physics, magic, nature, oceanography and much more. Programs run from June 14 through July 29.

For more information, visit disneyyes.com/openenrollment or call toll free **866-205-9851**.

- **FLORIDA DEPARTMENT OF EDUCATION**

K-12 EDUCATION

BUREAU OF CURRICULUM AND INSTRUCTION

GOVERNOR'S SUMMER PROGRAM FOR GIFTED AND HIGH-ACHIEVING STUDENTS

PROGRAM ABSTRACTS

2010

The purpose of the Governor's Summer Program is to provide an opportunity for outstanding gifted and high-achieving students to participate in and use the resources of the universities and colleges in the State of Florida. Institutions of higher education, public or private, submit proposals to provide summer programs for gifted and high-achieving students. The goal is to use the academic strengths and unique instructional resources of the sponsoring institution to provide participating students with learning experiences not available in their secondary education programs.

Note: Direct all inquiries about specific programs to the contact person listed.

Daytona State College

Daytona Motorsports Summer Academy

Daytona State College will host three, one-week sessions of the Daytona Motorsports Summer Academy for gifted and high-achieving students from under-represented populations from Volusia County and surrounding areas. Using Ten80 Education's FastTrack racing Challenges (FTRC) curriculum, 75 high school students will explore science, technology, engineering, and mathematics (STEM) fields and concepts through an interactive remote control car program. The rigorous and challenging curriculum was created to national and state STEM standards and uses 1:10 scale remote control race cars to demonstrate real-life applications of science and math concepts. The curriculum meets the standards for the Florida Frameworks for Gifted Learners. The Academy allows rising 10-12 grade students to interact with college instructors, access college resources, and have the option to earn dual-enrollment credit.

Contact: Cynthia Geffen

Phone: 386-506-3924

Mailing Address: 1200 W. International Speedway Blvd.

Daytona Beach, FL 32114

E-mail Address: GeffenC@daytonastate.edu

Florida Atlantic University

Engineering Scholars' Program

The *Engineering Scholars Program* (ESP) is a 13-year successful Governor's School program that provides 3-credit dual-enrollment Engineering credit for approximately 100 high-achieving 10th to 12th graders in Broward and Palm Beach counties. This year the College of Engineering and Computer Science will expand ESP to add a new course to the previous years' program offerings. ESP 2010 will continue to offer our four successful ESP courses: Electronic Design with Operational Amplifiers, Ocean Engineering and

Underwater Vehicles, New Generation Web Technologies, and Innovative Materials for Infrastructure; and a new course Mobile Applications on Google's Android. Team projects are emphasized and Next Generation Sunshine State Standards are incorporated.

Contact: Ms. Brenda Simmons or Dr. Ali Zilouchian

Phone: 561-297-0432 or 561-297-2680

Mailing Address: College of Engineering and Computer Science
777 Glades Road, Boca Raton, FL 33431-0991

E-mail Address: zilouchi@fau.edu or brenda.simmons@fau.edu

- **Energetic Einsteins** www.energeticeinsteins.com

Energetic Einsteins offers a number of opportunities to gifted students and their families. This summer offers a Wizard Camp for Gifted Muggles program for gifted 3rd-6th graders as well as a Brains and Behavior Summer Program for gifted 6th-9th graders offered in partnership with Stetson University's High Achieving Talented Students program for gifted students.

Review of Scholarship Applications Received by May 10 has begun. The final deadline to apply for Scholarships for Wizard Camp for Gifted Muggles has been extended to June 15, 2010.

First Year Subjects July 26-30

Second Year Subjects August 2-6

Note: First year subjects is not a prerequisite for the second year subjects program.

Program size is limited and Registration deadline is June 15th, 2010.

Students are registered upon receipt of registration form and payment in full.

Checks made out to Energetic Einsteins should be mailed to:

Institute for Biomedical Philosophy

Energetic Einsteins Gifted Program

PO Box 1528

Dunedin, FL 34697

- **Wizard Camp for Gifted Muggles** Our Science Faculty will reveal the science behind the magic with hands on explorations in the fields of Astronomy, Biology, Chemistry, and Physics. Students will also learn to make pumpkin juice and compete in a number of challenges for the house cup. Some examples from the First Year Subjects include plant experiments in Herbology, comparisons of invisible inks and color changing Potions, Defense Against Invisible Invaders, Transfiguration by metamorphosis, and Astronomy exploration to design and model an organism capable of living on their favorite celestial object. Some examples from the Second Year Subjects include plants that behave like animals in Herbology, Owl Pellet dissections and Invertebrate races in Care of Magical Creatures, Divination for weather forecasting, and xyloexplosives in Charms. Participants: Gifted 3rd-6th graders

- **Brains and Behavior Program**

Find out what holds up your HAT by joining our neuroscience faculty for a hands-on, minds-on exploration inside your head. Join us as we learn about brain anatomy and function, neuronal communication, and brain health and diseases. You will explore a variety of species' brains macroscopically and microscopically including a sheep brain dissection, model the brain of an animal you design, participate in memory experiments, design and conduct behavioral experiments with invertebrate organisms, and investigate the effect of alcohol on development. **Participants: Gifted 6th-9th graders**

Program Dates: July 12-16, 2010

Cost: This program is in partnership with the Stetson University High Achieving Talented Students program for gifted students (HATS) and so is being offered at a substantially reduced rate: \$260/week (\$50 discount for Multiple HATS Class or Sibling Discount) (\$175 cost for students receiving free and reduced lunch, not eligible for additional discount)

Registration: <http://www.stetson.edu/hats/summerprogram>.

For more information see www.BouncingBrainiacs.com

Summer Institute for the Gifted (SIG) <http://www.giftedstudy.org/>. The Summer Institute for the Gifted offers residential and day programs for gifted and talented students in grades K through 11.

Residential Programs – for grades 4-11:

Amherst College Amherst, MA
Bryn Mawr College Bryn Mawr, PA
Dartmouth College Hanover, NH
Emory University Atlanta, GA
Princeton University (waiting list)
UC Berkeley Berkeley, CA
UCLA Los Angeles, CA
Vassar College Poughkeepsie, NY

Day Programs - grades K-8:

Galloway School (K-6) Atlanta, GA
Out of Door Academy Sarasota, FL



[Yunasa](#) is a summer camp located in Michigan aimed specifically at highly gifted kids ages 10 to 14. It takes place this year from July 25 to August 1. The Yunasa experience aims to assist gifted youth in integrating the intellectual, emotional, social, spiritual, and physical - to help them acknowledge that they are more than just their "smarts." Yunasa is one feature of the [Institute for Educational Advancement](#).

**THE FRANCES A. KARNES CENTER FOR GIFTED STUDIES
College of Education and Psychology**

2010 SUMMER PROGRAMS

**LEADERSHIP STUDIES PROGRAM
JUNE 13 – 18, 2010**

The Leadership Studies Program, a one-week residential program, is designed for students in grades six through 11, who have a desire to develop and enhance their leadership abilities. Students will be housed in dormitories on the campus of The University of Southern Mississippi in Hattiesburg, Mississippi. Tuition includes room, board, recreational activities, and limited accident insurance. **Leadership I** is a program with specific emphasis on leadership skills. Training will include those areas necessary for leadership development: fundamentals of leadership, written and oral communication, group dynamics, problem solving, planning, personal skills, and decision making. Avenues for becoming leaders in the schools, communities, and religious affiliations will be utilized to heighten the awareness and development of leadership potential. **Leadership II** is a continuation of the program, with Leadership I as a prerequisite for entry. It is an intense study to further develop leadership concepts and qualities. Emphasis is placed on the psychology of leadership, assertiveness training, and situational leadership. **Leadership III** is an extension of the program, with Leadership II as a prerequisite for entry. Training will focus on the legal aspects of leadership, responsibilities of various positions of leadership, developing personal power, and leadership for the future. The students also have the opportunity for informal interaction with adult leaders. Financial aid is available based on need, on a limited basis.

**SUMMER GIFTED STUDIES PROGRAM
JUNE 20 – 25, 2010**

The Summer Gifted Studies Program, a one-week residential program, is designed for intellectually gifted students in grades four through eight with intelligence quotients of 120 or above on an individually administered test or the 90th percentile or above at the national level on an achievement test. The program enhances the cognitive abilities of gifted students through planned enrichment/acceleration activities. Content areas are

combined with processing skills to enable students to explore a wide variety of topics. Students will be housed in dormitories on the campus of The University of Southern Mississippi in Hattiesburg. Instructional activities will be conducted in classrooms and laboratories on the campus. Recreational activities and cultural events will be included, based upon availability. Tuition includes room, board, recreational and cultural activities, and limited accident insurance. Financial aid is available based on need, on a limited basis.

FOR MORE INFORMATION, CONTACT

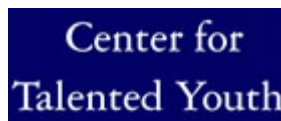
The Frances A. Karnes Center for Gifted Studies ! The University of Southern Mississippi
118 College Drive #8207 ! Hattiesburg, MS 39406-0001 ! Phone 601.266.5236
E-mail: gifted.studies@usm.edu <http://www.usm.edu/gifted>



[Mentor Connection](#) is an amazing experience for gifted youth who are entering juniors or entering seniors. For three weeks (July 12-30 this year), they get to work side-by-side with professors and grad students at the University of Connecticut on a given topic or research project. A sampling of this summer's topics includes "COMPARATIVE GENOMICS: GENE TRANSFER BETWEEN BACTRIA," "CUTTING-EDGE RESEARCH IN BIO-NANOMATERIALS," "MATHEMATICS BEHIND THE RUBIK'S CUBE," and "ARCHAEOLOGY IN YOUR BACKYARD: DIGGING WITH THE STATE ARCHAEOLOGIST."



The [Summer Enrichment Program](#) at the University of Northern Colorado is in its 33rd year. Begun by [Dr. George Betts](#), it is a two-week-long experience for gifted youth who are entering 5th through entering 10th grade. Students get to pick four classes to take, and [topics](#) range from Poetry and Art to Computers and Technology. A [Leadership Enrichment Program](#) is also offered for gifted students who are entering grades 11 and 12, and a [Young Child Program](#) is available for gifted kids age 4 through entering 4th grade.



The [Center for Talented Youth](#) offers both onsite and online summer learning experiences for gifted kids. CTY is based at Johns Hopkins University in Baltimore, Maryland.



The [Center for Talent Development](#) also offers both onsite and online summer learning opportunities for gifted youth. CTD is based at Northwestern University in Evanston, Illinois.



For my fellow Montanans, try the [Carroll College Gifted Institute](#) in Helena, Montana, for gifted students who are entering 5th through entering 9th grades. It is a well-loved favorite!



Another option is [Peaks and Potentials](#) at the Montana State University campus in Bozeman, Montana, for gifted students entering 5th through entering 7th grades. Peaks and Potentials also offers a host of fascinating classes that the students get to take.



[SpectrUM](#), located on the University of Montana campus in Missoula, Montana, features [a summer-long array of science camps](#).

Summer Program for Academically Talented Youth Frances A. Karnes Center for Gifted Studies

The University of Southern Mississippi offers three week residential Summer Program for Academically Talented Youth, designed for very bright students who are currently enrolled in grades 7, 8, 9 and 10. The University of Southern Mississippi assumes full responsibility for the instruction, administration and outcome of this program. The Summer Program is designed to provide a balance of educational, cultural and recreational experiences. Upon completion of the program parents will be sent a detailed grade report to forward to the student's school. At the discretion of school administrators, the student may receive school credit and/or appropriate placement for course work completed during the three-week program. The program will be held on the beautiful campus of Southern Miss in Hattiesburg, located in south central Mississippi, approximately 100 miles from Jackson, Mississippi; Mobile, Alabama; and New Orleans, Louisiana.

It is important that students select classes in which they are interested and to which their best efforts will be given for three weeks. If the first choice is not available, placement will be in the next available choice.

Academic Courses

Classes, taught by outstanding teachers, meet six hours each weekday and three hours on Saturday. Students participate in quality learning experiences that allow them to progress at a rate and a level appropriate for high ability students. Each class is limited in enrollment. Students select one of the following courses, each of which is offered in a fast paced, challenging format. SAT or ACT (taken in 7th grade) eligibility requirements are noted after each course description.

Mathematics – This series of subjects includes Algebra I and II, Geometry, Trigonometry, Pre-calculus, Calculus and Modern Analysis. The goal of this course is for each student to learn as much mathematics as proves feasible. Most students will complete at least one mathematics

subject during the course. Diagnostic testing and individualized instruction allow students to work at their own pace and focus on material they have not previously mastered. Students must enjoy mathematics and be able to work independently to gain the most from this class. Students are required to have a graphing calculator. SAT-M > 500 or ACT-M > 18

Human Anatomy and Physiology – This course is the study of the structure and functioning of the human body. Each body system will be studied and seen as an integrated part of an entire organism. The systems to be studied are integumentary, skeletal, muscular, nervous, endocrine, circulatory, urinary, digestive, respiratory and reproductive. Clinical applications (using disorders of the systems) will integrate the knowledge of the course into practical application. SAT-M > 500 or SAT-CR > 500 or ACT-M > 18 or ACT-E > 21 or ACT-S > 22 or ACT-R > 21

Forensic Science – Forensic science is the application of science to those criminal and civil laws that are enforced by police agencies in a criminal justice system. Students will be introduced to such topics as crime scene investigation, photography, fingerprinting analysis, trace evidence, packaging and presentation of evidence, fiber and hair comparison, and glass reconstruction. Students will acquire knowledge in forensic science through professional readings, textbooks, hands-on activities, lectures, group discussions, seminars with practitioners and videotapes. SAT-M > 500 or SAT-CR > 500 or ACT-M > 18 or ACT-E > 21 or ACT-S > 22 or ACT-R > 21

Polymer Science – Students will explore the world of polymers, the materials that surround us in our daily lives, by participating in inquiry-based laboratory experiments and hands-on research projects. The history, recent developments, applications and processing of glass, ceramics, metals and polymers will be examined. The properties of major commercial polymers, raw material sources and the organization of the polymer industry will also be studied. Since the interdisciplinary nature of polymer science encompasses several fields including chemistry and physical science, students gain exposure to science's multifaceted realm. SAT-M > 500 or SAT-CR > 500 or ACT-M > 18 or ACT-E > 21 or ACT-S > 22 or ACT-R > 21

Economics – Economics touches on every aspect of our lives: school, work, play, spending, saving, investing, credit, voting, citizenship, service, government, globalization and sustainability. This course offers a standards-based approach to learning the fundamentals of macroeconomics, microeconomics, international economics and personal finance through a variety of interactive and engaging lessons. SAT-M > 500 or SAT-CR > 500 or ACT-M > 18 or ACT-E > 21 or ACT-S > 22 or ACT-R > 21

Psychology – Emphasis will be on the scientific and theoretical aspects of psychology, including biological bases of behavior, development, learning and adaptive behavior, sensation and perception, measurement, and statistical methods. Material is presented through textbook reading, lecture, discussion and demonstration. SAT-M > 500 or SAT-CR > 500 or ACT-M > 18 or ACT-E > 21 or ACT-S > 22 or ACT-R > 21

Criminal Justice – This course is an introduction to criminal law, criminological thought and the operation of the criminal justice system. Material is presented through textbooks, lectures, group discussions, class activities and videos. SAT-M > 500 or SAT-CR > 500 or ACT-M > 18 or ACT-E > 21 or ACT-S > 22 or ACT-R > 21

Creative Writing – This course is designed to be a writer's workshop with emphasis on turning the experiences of real life into lively, creative prose. Students will become aware of their own habits as writers through writing essays, poetry and other forms of creative writing. They will discuss and practice the process of writing from brainstorming creative ideas to organization, analysis and revision. SAT-CR > 500 or SAT-W > 500 or ACT-E > 21 or ACT-R > 21

Debate – This course provides instruction in how to acquire, analyze and evaluate information in order to organize effective arguments, and it provides practice in making those arguments. Skill in debate helps the individual to think logically, clearly and quickly; it enables a student to identify flawed reasoning and argue persuasively. It also contributes to the student's understanding of

himself and his confidence in his own ability to analyze issues. SAT-CR > 500 or SAT-W > 500 or ACT-E > 21 or ACT-R > 21

Residential Accommodations:

The residential component is planned to be an integral part of the learning experience. The residential hall provides an equally comfortable environment for academic activities and leisure time. Students live in an air conditioned dormitory a short walking distance from the dining hall, campus resources (such as the library) and campus recreational facilities. Residential counselors supervise students when they are not in class. Approximately six hours each weekday and three hours on Saturday mornings will be devoted toward group classroom studies, with one hour per evening provided for individual study. Cultural and recreational activities will be planned as well. There are many opportunities for students to enjoy getting acquainted with other young people of similar abilities and interests. www.usm.edu/gifted