March 19, 2013

Bulloch County Schools
Charles Wilson
150 Williams Road
Statesboro, GA 30454

Dear Charles Wilson,

For the eleventh consecutive year, the University of South Carolina will offer the Carolina Master Scholars Adventure Series, a summer academic camp for scholastically talented rising 6th – 12th graders. We encourage you to provide faculty and parents with the enclosed information.

The Carolina Master Scholars (CMS) Adventure Series creates opportunities for young people to expand their knowledge while exposing them to many sides of collegiate life. Over 1,300 academically talented students have participated in the Carolina Master Scholars Adventure Series at the University of South Carolina since the summer of 2003. This experience gives students a chance to explore subjects that are not taught at the middle and high school level, and learn from renowned professors and researchers at the University.

You are a guiding strength in shaping academically talented youth, and we rely on you to spread the word about this exciting program. Our summer 2013 courses offer an exciting array of one-week courses with commuting and residential options. Starting June 2 through July 14, 2013, seventeen (17) challenging courses including Adventures in Nursing, Law, Pharmacy, Forensic Science, Web Design and Development, Medicine-Ultra Sound, Vex Robotics, Writing, Aviation-Learn to Fly, Robot C Programming, Graphic/Digital Design, Engineering, and Computer Gaming will be offered this summer. Partial need-based scholarships are available! For more information and class descriptions, please visit: http://saeu.sc.edu/adventures/

In addition to the Carolina Master Scholars Adventure Series courses, the University will also offer SAT/ACT Test Prep Summer Prep Courses at USC Campuses across the state: USC-Columbia, USC-Beaufort/Hilton Head in Bluffton, USC-Sumter, USC-Aiken, and USC-Lancaster. The SAT/ACT Test Prep Summer Prep Course are led by expert test prep professional instructors and include 20 hours of in-classroom instruction, SAT and ACT textbooks and workbooks, lunch, and four interactive online review sessions in the fall. We can also customize SAT/ACT courses to be held at your school for your students to participate any time throughout the year.

Enclosed please find the listing of these Pre-University programs to share with your faculty and parents. If you would like more copies, please contact our office. The Office of Continuing Education and Conferences welcomes any sponsorships and your inquiries at 803-777-9444 or pups@mailbox.sc.edu. Please assist us with introducing young scholars at your school to our summer programs.

Sincerely,

Meredith Fievet
Pre-University Programs Coordinator
June 2-7
Adventures in Aviation—Learn to Fly, Be a Pilot
Rising 6-9
Come fly with us! In this unique adventure, you will go through a pilot training course taught by a certified flight instructor where you will learn the same information and perform the same flight maneuvers as a student pilot going through flight school. Through presentations and hands-on demonstrations, you will study the same flight training curriculum as a pilot, learn training operations and practice maneuvers using the laboratory flight simulators. This adventure will take place at the Challenger Learning Center of Richland County School District One, the only center of its kind in the state of South Carolina.

June 9-14
Adventures in Pharmacy
Rising 9-12
Travel with us as we discover what it takes to become a pharmacist. You’ll see that pharmacists work in communities, in educational institutions, for drug manufacturers, for hospitals, and with nuclear medicine to build patient records and medical files. Real-life pharmacists will show you how to read prescriptions and help with the preparation of medications, counsel patients, understand poison warnings, and learn patient drug regimens. You will learn about hypertension and diabetic monitoring, compounding, and intravenous techniques. This adventure includes working in the Pharmacy Lab at USC’s School of Pharmacy.

Adventures in Robot C Programming
Rising 6-9
Learn how to program robots using the RobotC programming language. Learn to make a simple robot accomplish various tasks using real programming language, sensors and motors. You’ll learn to program your battery to hunt down and shoot its prey. The class uses Lego NXT robots but is focused on developing software and control systems to accomplish a given job. No programming experience is needed. Students will be exposed to C language, which is broadly used in industry.

Adventures in Forensic Science
Rising 6-9
You have seen criminal investigation shows, now try your hand at sleuthing the elements of a crime scene by working with real-life crime scene investigators and law enforcement officers to help restore justice. Through hands-on opportunities and demonstrations, you will learn about latent fingerprints, bloodstain interpretation, footwear impressions, crime scene diagrams, and the collection of trace and DNA evidence. End your adventure by working on a team to investigate a mock crime scene and creating your own crime scene diagram!

Adventures in Aviation—Learn to Fly, Be a Pilot
Rising 9-12 graders
Come fly with us! In this unique adventure, you will go through a pilot training course taught by a certified flight instructor where you will learn the same information and perform the same flight maneuvers as a student pilot going through flight school. Through presentations and hands-on demonstrations, you will study the same flight training curriculum as a pilot, learn training operations and practice maneuvers using the laboratory flight simulators.
JUNE 16-21
ADVENTURES IN VEX ROBOTICS
Rising 6-9 graders
Learn how robots think, sense, and function before designing and building one using the VEX® Robotics Design System. Theory and learning sessions will alternate with building sessions. Consider the history of robots, how they are used now, and how they will be used in the future, as well as engineering concepts, electronics, sensors, and control subsystems. Round out your adventure in a robot demonstration by competing against other robot teams. No experience in robots is necessary.

ADVENTURES IN GRAPHIC/DIGITAL DESIGN
Rising 6-9 graders
Have you ever wondered how they made the logo for the Gamecocks, University of South Carolina, or for your favorite company? Create original graphic design pieces with edge and impact using the industry standard tools in the Adobe Creative Suite. Develop images, typography and logos for posters, movies, games and album art. Gain knowledge and skills in digital design while studying color, composition and presentation. A professional graphic designer from University of South Carolina will teach you how to design and transform your ideas into a finished product, a portfolio full of your projects.

JUNE 23-28
ADVENTURES IN NURSING
Rising 9 - 12 graders
Journey with us as we discover the world of Nursing. Instructors and Registered Nurses from the College of Nursing at USC will show you that once a nursing student graduates they don’t just work in hospitals and doctor’s offices. There are many opportunities that are health care related and require nursing expertise. This summer experience will cover a variety of topics in nursing including roles and what is like to be a nurse. You will be engaged in hands-on activities including IV therapy as well as other commonly required nursing skills. This adventure includes a visit to the simulation lab where you will work with the simulation mannequins and a chance to be a participant in a scenario.

Your Adventure Awaits!
Join us for serious fun this summer! Registration begins in January. It’s the smart way to spend your summer!
803.777.9444
pups@mailbox.sc.edu
http://sau.sc.edu/advancements

JULY 7-12
ADVENTURES IN COMPUTER GAMING
Rising 6-9 graders
Venture into the exciting, interactive world of computer gaming! You’ll use Adobe Flash to learn the skills behind graphics, modeling, animation, multi-level game design, artificial intelligence and basic programming techniques as: if/switch, for/while loop, & etc. Through instruction by USC’s Computer Science department and hands-on programming, you will work in a group to create a finished product: your own 2-D game.

ADVENTURES IN LAW
Rising 6-9 graders
Spend your day in court—as an attorney! Learn about concepts of the court system, criminal investigation, defense and prosecution, and evidentiary and trial prosecution. Work with real-life attorneys and law enforcement officers, tackling a real case from the moment the crime is perpetrated. At the end of the adventure, your team will work out the crime through a mock trial. You’ll have the opportunity to visit local and supreme courts and see the legal system from the inside!

JULY 14-19
ADVENTURES IN WEB DESIGN AND DEVELOPMENT
Rising 9 - 12 graders
Build your very own Web site from scratch. You’ll learn color theory, creative text effects, how to hand-code HTML, CSS page designs, and how to design customized graphics. Work with programs like Dreamweaver and Photoshop to make your site unique with dynamic animation, rollovers, time-based effects, image galleries, videos, and more before publishing your page on the Web.

ADVENTURES IN ENGINEERING
Rising 9 - 12 graders
Interested in engineering? Do you think that you might have the “knack”? Come learn about different types of engineering and what engineers really do. You will be exposed to Mechanical, Electrical, Civil, Chemical and Biomedical Engineering to get a clearer picture of what it means to work in these fields and learn what engineers do every day. This journey will include experiencing university engineering labs where you will perform hands-on activities in the various engineering fields to personally experience how each is unique and fascinating.

ADVENTURES IN COMPUTE GAMING
Rising 9 - 12 graders
Venture into the exciting, interactive world of computer gaming! You’ll use Adobe Flash to learn the skills behind graphics, modeling, animation, multi-level game design, artificial intelligence and basic programming techniques as: if/switch, for/while loop, & etc. Through instruction by USC’s Computer Science department and hands-on programming, you will work in a group to create a finished product: your own 2-D game.

ADVENTURES IN MEDICINE: ULTRASOUND
Rising 9-12 graders
Journey into the body in real time to watch the heart beat! Using a hand held ultrasound probe and an ultrasound unit the size of a laptop you will learn to scan the body in the same labs and with the same doctors as our medical students at the University of South Carolina School of Medicine. Ultrasound allows physicians to determine what is going on inside the body in a non-invasive way.