

Camp Description

The Center for Advanced Studies is offering the sixth annual Camp G.A.M.E.S. The camp is designed for rising 4th, 5th, and 6th grade girls who have an interest in science and engineering. This five day camp will offer students the opportunity to explore an array of science and engineering fields including Forensics, Chemistry, Engineering, and Genetics. During the camp students will attend small group application-based workshops in each of these areas.

Students will complete take-away projects related to their areas of interest. During the afternoon of the final day the students will come together to share their experiences and results.

Instruction in the camp will be provided by content specialists from Wheeler High School's Center for Advanced Studies magnet program and program alumni. The camp's program fees will cover registration, instruction, daily lunch, a camp T-shirt, and materials for a take-home project.

A maximum of 40 participants will be accepted on a first-come basis. The camp is subject to cancellation if there is a lack of participants. Participants will be notified by early May if the camp is cancelled.

Registration ends April 13, 2012

Coming on I-75 South

Take I-75 South to North 120 Loop(265) Take left onto 120 loop, take the first exit ramp to 120, make a left onto 120, at the 3rd light (Sherlock Package) make a right onto Robinson Rd. at the first light make a right onto Holt Rd. About one mile on right enter at the Coker Music building

Coming on I-75 North

Take I-75 North to South 120 Loop(263) Take right ramp toward Roswell, take the first exit ramp to 120, make a right onto 120, at the 2nd light (Sherlock Package) make a right onto Robinson Rd. at the first light make a right onto Holt Rd. About one mile on right enter at the Coker Music building entrance (past main parking lot)

Registration forms will be available in the Center for Advanced Studies office located in the Coker Building or may be requested by email or phone from Stacy Regitsky at stacy.regitsky@cobbk12.org or (770) 578-3286. Registration forms may also be downloaded from www.wheelermagnet.com. Return your completed registration form and check made out to "Wheeler High School" to:

Stacy Regitsky

375 Holt Rd.

Marietta, GA 30068

The deadline for registration is April 13, 2012

Contact Information

Stacy Regitsky - (770) 578-3286

Camp Director—Tiffany Stark

Email: tiffany.stark@cobbk12.org



**Wheeler High School Center
for Advanced Studies**

**CAMP
G.A.M.E.S.**



**Science and Engineering Camp
for Girls
Completed 3rd, 4th, or 5th grade**

**June 11-15, 2012
9:00 AM—3:00 PM Daily
Coker Magnet Building**

\$250 Registration

Includes: Instruction by certified teachers, lunch daily, supplies, a take away project, and Camp T-Shirt. Registration forms will be available beginning January 23, 2012 in the Magnet Office. Contingent on Minimum of 30 Participants.

Sessions Descriptions



ROBOTS IN LEGOLAND

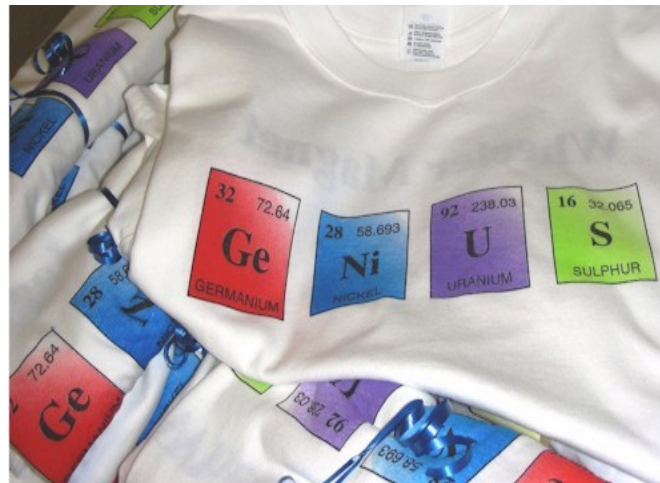
This session introduces students to the popular field of robotics. Students will learn about the use of robotics in a variety of settings and will learn many of the basic scientific and engineering principles involved in their use. Students will be introduced to the design and construction of robotics through the ever-popular Lego's Mind Storm Robotics kits used by many leading universities.

CHEMISTRY EXPLOSION

In this session students will be introduced to different types of matter and observe chemical reactions taking place. They will discover physical and chemical properties of matter and learn how to change those properties. Students will complete a variety of experiments.



Girls Advancing in Math Engineering and Science



Sessions Descriptions

ENGINEERING DESIGN AND FABRICATION

In this session students will be introduced to computer based modeling and the engineering design process. Students will be given an engineering task with specific guidelines and will be expected to design a product to meet those specifications. They will then fabricate their device. This device will be used as part of a final project.

BIOTECHNOLOGY

In this session, students will be exposed to a variety of biotechnology as they learn about anatomy, DNA, and forensics. We will allow students to make use of our advanced equipment with careful supervision. Students will understand how the other concepts (robotics, chemistry, and engineering) can be applied in the field of Biotechnology.