

Camp Description

The Center for Advanced Studies is offering the third annual Camp G.A.M.E.S. The camp is designed for rising 3rd, 4th, and 5th 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 Robotics, Chemistry, Engineering, and Electronics. 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 30 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 September if the camp is cancelled.

Registration ends September 10, 2010

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 Mary McGinnis at mary.mcginis@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:

Mary McGinnis
375 Holt Rd.
Marietta, GA 30068

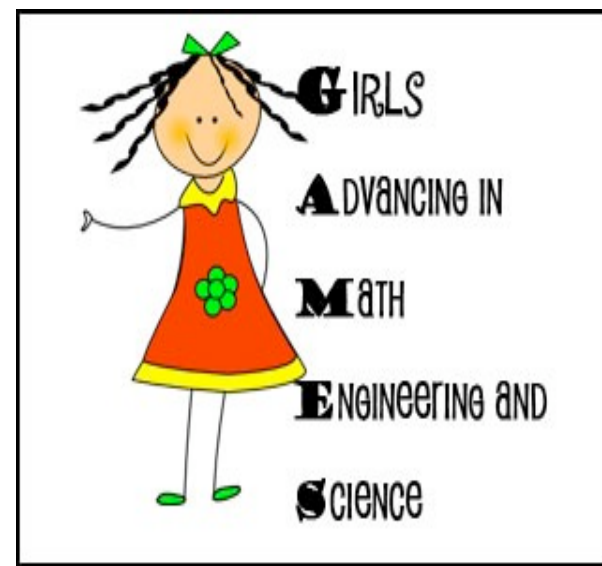
Contact Information

Mary McGinnis - (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**

September 20-24, 2010

3rd, 4th, or 5th graders

**9:00 AM—3:00 PM Daily
Coker Magnet Building**

\$250 Registration Fee*

Includes: Instruction by certified teachers, lunch daily, supplies, a take away project, and Camp T-Shirt. Registration forms will be available beginning August 16, 2010 in the Magnet Office.

*For a \$25 additional fee, girls may be dropped off at 7:45 am.

Sessions Descriptions



THE SHOCKING TRUTH ABOUT ELECTRONICS

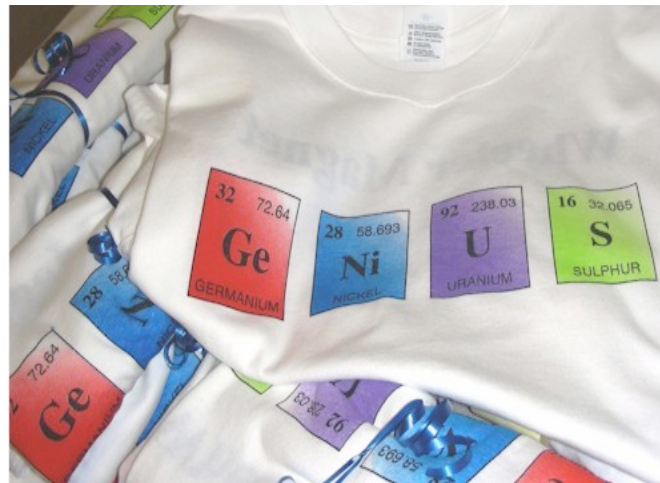
This session will introduce students to the exciting world of electronics. They will receive an introduction to basic electrical concepts, components, circuitry, safety, and soldering techniques. Those choosing to focus in this area will get in-depth experience in these areas and will complete a hands on activity that will be part of a final take-home project.

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



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.

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.