



Camp Description

The Center for Advanced Studies is offering STEM Explorers Camp. The camp is designed for rising 4th, 5th, and 6th grade boys 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, Coding 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 current students. 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 20 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 15, 2018

Directions

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 2nd Wheeler entrance.

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 2nd Wheeler entrance.

Registration Information

Registration forms are available in the Center for Advanced Studies office located in the Coker Building or downloaded from www.wheelermagnet.com.

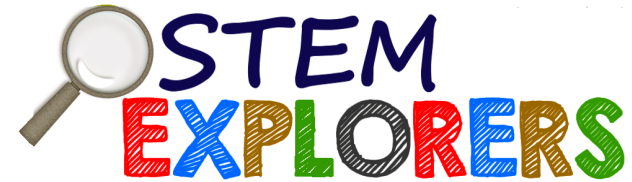
Return your completed registration form and check made out to "Wheeler High School" to:
Stacy Regitsky
375 Holt Rd.
Marietta, GA 30068

**The deadline for registration is
April 15**

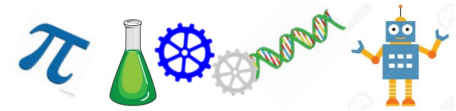
Contact Information

Stacy Regitsky
770-578-3286

Camp Director
Tiffany Stark
Email: tiffany.stark@cobbk12.org



**Wheeler High School
Center for Advanced Studies**



Science and Engineering Camp
for Boys who have completed
3rd, 4th, or 5th grade

**June 25 - June 29, 2018
9:00 AM - 3:00 PM Daily**

Coker Magnet Building

\$250 Due at Registration

Includes: Instruction by certified teachers, lunch daily, supplies, a take away project, and Camp T-Shirt.

Registration forms are available at
www.wheelermagnet.com.

Contingent on Minimum of 15 Participants.

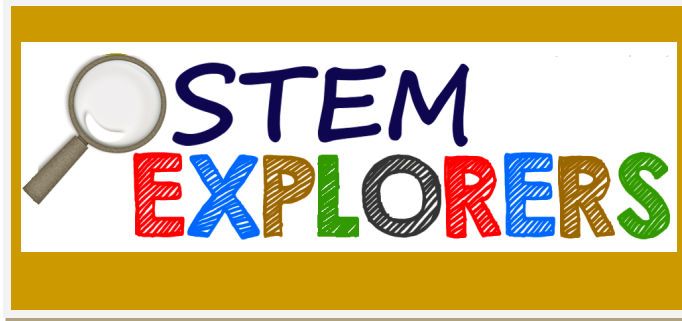


ROBOTS IN LEGOLAND

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.



CODING

In this session, students will be exposed to the basics of computer science and coding.

Students will learn the basic principles of algorithms and coding languages. Students will create a final product using their coding training.

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.

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.