

LASSITER HIGH SCHOOL STEM ACADEMY



www.lassiterstem.org

Cobb County School District
2601 Shallowford Road, Marietta, GA 30066
Advanced Math & Science Program Certified

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The STEM Academy at Lassiter offers students a rigorous four-year program of advanced math, science and career tech courses that prepares students for 21st century jobs in the medical and engineering fields. Students are immersed in project-based learning through integrative course work in science, language arts and mathematics. Students can choose one of two specializations, either biomedical science or engineering, that utilizes the Project Lead the Way (PLTW) curriculum to expose students to research, investigations and communication in their work. The STEM Academy at Lassiter has been recognized for its achievements with Cobb County School District STEM Certification, Advanced STEM Certification and recently received the Georgia Department of Education STEM Certification for the 2018 to 2023 school years. The STEM Academy has also been recognized as a PLTW Distinguished school for our student's mastery of advanced concepts in both specializations.

A key component in providing students with a relevant STEM experience is the illustration of real-world contexts for their classroom lessons. To help, the Lassiter STEM Academy works closely with local business partners such as Lockheed, General Electrics, Porsche and Kennesaw State University. As part of their outreach programs for schools and STEM, Kennesaw State University has provided students with summer opportunities in computing and robotics while professors have presented to students in various subjects in their field and have begun to serve as mentors for students on independent research projects. Another highlight of the Lassiter STEM Academy is the completion of a capstone project by each graduating senior which is completed either through AP[©] Capstone or PLTW Biomedical Innovations and Engineering Design and Development. In previous years students have investigated the effectiveness of hydroponics, urbanization in metro Atlanta and the relationship between teacher beliefs and student performance on high-stakes assessments.

