



Woodstock High School

State STEM Certified
2017 - 2022

Contacts:

Principal

J. Mark Smith

mark.smith@cherokeek12.net

Assistant Principal/STEM Coordinator

Dr. Joel A. Roth

joel.roth@cherokeek12.net

Program Website:

<http://cherokeek12.net/>

woodstockhs/departments/stem/

Woodstock High School

2010 Towne Lake Hills South Drive

Woodstock, GA 30189



Cherokee County
School District



Woodstock High School STEM Program

The strength of our STEM program is the robust diversity of our three STEM pathways. Students have the opportunity to conduct and explore authentic scientific research through the **Biotechnology Pathway**, to design and construct cutting-edge devices through the **Engineering Pathway**, and/or to participate in the **Advanced Academic Pathway**, which provides opportunities for individualized and optimally accelerated courses in science and mathematics. A STEM Literature component ties all three pathways together in grades 9 and 10.

Woodstock High School strives to produce STEM-literate students who are not only innovative and creative critical thinkers but are also able to make meaningful con-

nections between school, community, work, and global issues. By bridging in-school and out-of-school learning opportunities through fluid teacher-industry collaborations, students who complete one or more of the STEM pathways leave Woodstock High School prepared to pursue STEM related fields in college and career options.

The STEM culture at Woodstock High School reflects the collaboration of the STEM teachers to create integrated, comprehensive lessons for STEM students. The frequency with which the teachers collaborate (daily common planning periods, weekly STEM PLC, and designated collaboration time during pre- and post-planning) sustains and supports this culture.