

Mission Statement:

The mission of the Ware County School System STEM Initiative is to develop students' problem-solving and critical-thinking skills through the rigorous, real-world application of Science, Technology, Engineering, and Math concepts across the curriculum.

Vision Statement:

Capitalizing on the innate curiosity of students, the Ware County School System STEM Initiative will empower all students to graduate ready for college, careers, and life in a global economy.

How is a STEM-focused classroom different from a typical classroom?

STEM classrooms integrate curriculum across many disciplines in a holistic approach rather than teaching them in isolation. Students learn in an engaging, problem-solving based environment where collaboration, communication, and creativity are supported. The STEM activities are college and career focused with an emphasis on literacy in grades K-12.

Application of the Ware County Schools STEM initiative is interwoven throughout the Georgia Standards of Excellence. We believe STEM is a natural extension of the standards that increases student engagement, motivation, and learning. Through inquiry-based learning, a learning model in which students become scientists in order to discover information, critical thinking and reasoning skills are explicitly taught using the scientific inquiry process.

What is STEM?

Science, Technology, Engineering, and Mathematics (STEM) education creates an integrated and innovative learning environment in every K-12 classroom by transforming a typical teacher-centered classroom into a facilitated learning experience driven by problem-solving, critical thinking, discovery, and exploratory learning.

Why is STEM education critical?

There is an increased demand in major industries for a STEM-skilled workforce. We must prepare students with a diverse array of soft skills and technical skills necessary to meet the demands of the 21st century job market.

How is the STEM Methodology supported outside of the classroom?

Students have the opportunity to participate in district and school initiatives, such as STEM Summer Day Camp, Robotics clubs, and CTAE student organizations like FFA, FBLA, HOSA, and TSA. Through these activities, students apply content knowledge while strengthening their 21st century skill set through authentic application.

Who benefits from a STEM-focused school approach?

STEM education benefits everyone: students, teachers, the community, and society as a whole. While STEM education is appropriate for all students, at-risk learners are most directly impacted by the inquiry-based approach. STEM education opens students' minds to the infinite possibilities beyond graduation and prepares them to embrace the future job market as a member of a forward-thinking, technically-skilled workforce.



For more information, contact:

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