

Inviting Collaboration

ecosySTEM KC

KC STEM Alliance is the lead partner for the ecosySTEM KC initiative, part of a national effort to reach young people with ways to engage with science, technology, engineering and math by creating strong community networks. These STEM Learning Ecosystems are built around collaboration among schools, out-of-school programs, museums, science centers, higher education institutions, community-based groups, businesses and STEM professional organizations.

KC HealthTracks

This community partnership brings awareness and opportunities in health science careers to students in 11 under-resourced high schools in seven Kansas City-area school districts. Learn more at umkc.edu/KCHealthTracks.

Increasing Access

Kansas City Engineering Zone

Kansas City's K-12 urban students acquire real-world STEM skills at the KC EZ, a KC STEM Alliance partnership with University of Missouri-Kansas City's School of Computing and Engineering and generous donors. The KC EZ serves as a build space for three urban *FIRST* Robotics teams, home to a Girls Who Code Club and provides space for teacher and student events and other STEM programs.

Girls in STEM Initiatives

KC STEM Alliance intentionally works to increase the participation of girls in STEM through education and career exploration. Activities include building mentoring relationships through a pilot **Mentor Makers** program and supporting exposure and engagement with computer science through the **Girls in Tech KC** movement.

KC STEM Alliance

KC STEM Alliance was founded in 2011 to connect the many STEM education and workforce initiatives in our community. The alliance supports leading in-school and out-of-school STEM programs, increases access to STEM activities in underserved communities and invites community collaboration by leading regional STEM initiatives.

Supporting STEM Education

In school: Project Lead The Way®

Project Lead The Way® is a nationally recognized K-12 STEM curriculum now available in 35 KC-area public school districts and 10 private or charter schools.

With hands-on, project-based learning in the fields of engineering, biomedical science and computer science, Project Lead The Way turns classrooms into spaces where content comes to life. KC STEM Alliance supports PLTW by providing professional development, connecting industry mentors with students and teachers, and organizing student competitions and scholarships.



Out of school: FIRST®

FIRST® Robotics offers mentor-based after school programs starting with *FIRST* LEGO League Jr. and building to the high school-level *FIRST* Robotics Competition. The program combines the rigors of science with the excitement of sports to engage students in STEM. KC STEM Alliance manages, staffs and covers all costs associated with Greater Kansas City Regional *FIRST* events and competitions. Learn more at kcfirst.org.



Our Mission

The KC STEM Alliance is a collaborative network of educators, business partners and organizations that inspires interest in Science, Technology, Engineering and Math careers to generate a robust workforce of related professionals for our community.

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