

STEM MENTOR PROGRAM



THE
COLORADO
EDUCATION
INITIATIVE

"I had a great time and it was really fun working with those fresh and open minds! The kids were awesome and you could sense their wanting to learn. The teachers should be proud of them!"

- Xcel Mentor,
Jimmy Alfaro

STEM MENTORS: INSPIRING TOMORROW'S INNOVATORS

Among the fastest growing careers are those in the fields of science, technology, engineering, and math (STEM). The good news: Colorado is performing above the national average on key STEM performance indicators such as attaining postsecondary degrees in math and science.

Our challenge: We are in the bottom 25 percent of states in terms of our achievement gap, and female and minority students are underrepresented in both STEM degrees and occupations.

We must do a better job of preparing our students to succeed in a global, technologically advanced economy by ensuring they have access to rigorous, relevant, and engaging STEM instruction and experiences.

That's where you come in.

WHAT IS THE STEM MENTOR PROGRAM?

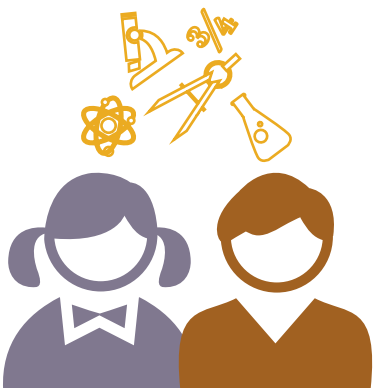
The Colorado Education Initiative (CEI) is partnering with companies to increase access to STEM courses for all students - especially girls and minority students who are underrepresented in STEM classes. Through the STEM Mentor Program, industry leaders are mentoring students in Advanced Placement (AP) programs that are participating in Colorado Legacy Schools.

The STEM mentors help open new doors for students by:

- Participating in a training session with teachers and CEI staff to learn techniques for engaging diverse students
- Meeting with students five to seven times a year outside of school
- Explaining the benefits of a challenging STEM education
- Building real-world connections between AP courses and career success
- Sharing their stories about their pathways to STEM careers
- Providing current, real-world applications to classroom work

WHY NOW?

- Sixty percent of the new jobs available in the 21st century will require skills possessed by only 20 percent of the current workforce. *(Source: U.S. Department of Commerce)*
- STEM occupations are expected to grow by 17 percent from 2008 to 2018 compared with 9.8 percent growth for non-STEM occupations. *(Source: U.S. Department of Commerce)*
- Eighty percent of the jobs created in the next decade will require some form of math and science skills. *(Source: National Science Foundation)*



innovate to
→ EDUCATE

HOW DOES MY COMPANY GET INVOLVED?

We look forward to talking with you about becoming a STEM mentor. For more information, please contact:

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ABOUT COLORADO LEGACY SCHOOLS

Colorado Legacy Schools is a local replication of the National Math and Science Initiative's proven Advanced Placement Training and Incentive Program (APTIP). This program has an unprecedented track record of closing the achievement gap and increasing college readiness in participating schools across the country by empowering high-need students to succeed in rigorous math, science, and English AP courses. In participating schools, expectations for students are elevated and school cultures are transformed with a focus on college-readiness. Teachers receive extensive training and students are given incentives to engage in challenging AP coursework. In the first year of its implementation, Colorado Legacy Schools increased the number of qualifying scores earned on AP math, science, and English exams at 23 program schools by 69 percent. The number of female students that earned qualifying scores in math and science increased by 90 percent and the number of African American and Latino students that earned qualifying scores increased by 107 percent.

Participating schools are in Alamosa, Arvada, Aurora, Cedaredge, Colorado Springs, Delta, Denver, Edgewater, Edwards, Englewood, Fruita, Glenwood, Grand Junction, Greeley, Longmont, Northglenn, Parachute, Pueblo, and Wheat Ridge. For a complete list of schools, visit our website at <http://www.coloradoedinitiative.org/our-work/colorado-legacy-schools/become-a-stem-mentor/> or scan the QR code below.



ABOUT THE COLORADO EDUCATION INITIATIVE

The Colorado Education Initiative is an independent nonprofit working in partnership with the Colorado Department of Education and public education stakeholders to accelerate bold improvement in student achievement through innovation, collaboration, and capacity building. We believe that increased student achievement for all Colorado students requires effective leaders in every school, effective educators in every classroom, and healthy and engaging environments that ignite a passion for learning in every student. For more information about The Colorado Education Initiative, visit our website at <http://www.coloradoedinitiative.org/>

