

OVERVIEW

Central High School STEM is all about the Strategies That Engage All Minds. We strive to push our scholars both academically and socially so they may become the best version of themselves possible. Through rigorous course work, highly involved STEAM advisors, and self-motivation, STEAM scholars create their vision of THEIR future.

With the reintroduction of the Warrior Problem Solving Process, Central High School aims to integrate this process explicitly into classroom instruction and the overall culture at Central High School regarding Social and Emotional Learning.

A common language shared with STEAM Scholars and faculty allows us to cross areas of learning while also growing a better understanding of one another.



UNIQUELY STEM

Advisory:

For scholars to learn to collaborate and to build a network of like-minded individuals, all STEAM students are placed in grade level, STEM-only advisories. This allows for unique planning, deeper connections, and better progress monitoring within the program.

Capstones:

Seniors in the STEM program complete a capstone project to showcase the knowledge gained and their passions. Capstone candidates present in front of professionals inside and outside the school. By reflecting on learning and connecting it to individualized goals, students can show their readiness to move on from high school and into the more fantastic world.

Google Certificates:

At Central High School, STEM Scholars can obtain Google Certificates in five areas: Data Analytics, IT Support, Project Management, UX Design, and IT Automation with Python. Once completed, scholars have an industry-recognized certificate they can use when going into the tech field.

THE NUMBERS

Enrollment:

- Freshman - 33
- Sophomore - 77
- Junior - 70
- Senior - 43
- Program Total - 223
- Percent of Population: 13.2%

Graduates:

Graduates from the Central High School STEAM program have gone to many places:

- Military Service
- Work Fields including welding, fabrication, construction, electrical and more
- College: CMU, University of Denver, Colorado University Boulder, School of Mines, Harvard, Cambridge

Averages:

GPA:

Advanced Courses:

Belonging:

Extracurricular Involvement:

Other Information:



AT A GLANCE:

Why Apply:

- Challenge your abilities
- Learn to be self-motivated and independent
- Join a culture of "trying" and "not YET."
- Create your independent learning plan and goals

Requirements:

- Willing to seek academic rigor
- Minimum GPA of 2.5
- Capstone Senior Year
- Minimum of 4 STEM Courses

Diplomas/Recognition:

- Central High School
 - STEM Letter
 - STEM Graduate
 - Capstone Graduate
- District #51
 - STEM Graduate
- Colorado State Department of Education
 - Seal of STEM Distinction

STEM PILLARS:

Citizenship:

- Empathy & Respect
- Safe culture to try and to fail
- "I am aware of and accept my responsibilities."
- Be a leader

Problem Solving:

- Problem-solving process
- Ask "why" to increase curiosity
- "I care about others and do my part to make my community better."
- Persevere even if it's hard

Creation:

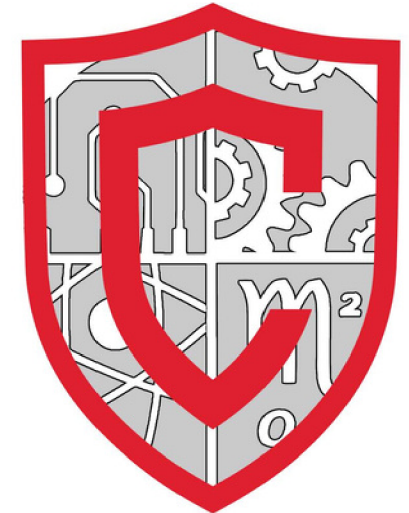
- Artistic Expression
- Students learn new ways to demonstrate technologies
- "I will work on having constructive relationships."
- Stand out - be up front - put yourself out there

Critical Thinking:

- Claim, evidence, reason
- Higher Level ?'s
- "I care about how I perceive others and how they perceive me."
- Think openly

Resiliency:

- Follow through
- Students set personal, social, and academic goals
- "I am of my traits, and know what I do well and know what areas I can work on."
- Do your best; try your hardest



STEM