

From Principal Silva

I am honored to serve as principal of a school where parents and the community value students, educators, and strong schools. Cherry Creek High School is committed to the ongoing integration of STEM and the continual refinement of our programs and resources to meet the current and future needs of all of our students. STEM fosters creativity, critical thinking, and innovation in the work students experience during the school day and beyond the classroom.

CCHS students travel to Uganda to teach Nyaka Vocational students how to install solar panels on the roof, bringing power to their computer lab.



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Robotics students make final adjustments at the 2016 Colorado Regional Competition. They were on the winning team in 2016 and made it to the Worlds Competition that year.

STEM Opportunities at CCHS

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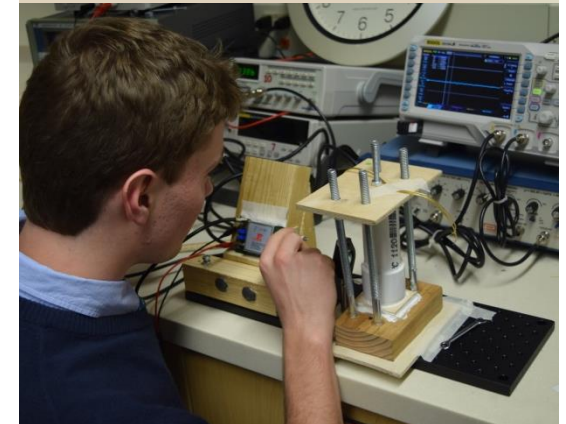
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STEM Opportunities at CCHS



An engineering physics student works with blood/glucose meters designed by his class, in a search for non-invasive blood/glucose monitoring.



CCHS Mathletes are interviewed on Fox 31 "Everyday" for starting a Denver-based math club for elementary and middle school students.

STEM at CCHS

- Ranked in the top 100 STEM high schools in the U.S. and 4th in Colorado by U.S. News and World Report in 2016 for public high schools
- Blue Ribbon School from U.S. Department of Education
- 221 faculty members; almost 90% have at least 10 years of teaching experience, eight Ph.D.'s and 81% have earned at least one master's degree
- Recipient of seven PRIDE awards, the highest number ever awarded, from the North Central Accreditation
- Advanced Placement courses offered in twenty-eight subject areas
- In 2016, 1,060 students took 2,498 AP exams, with 91.8% scoring 3 or higher
- In 2016, 536 AP Scholars, 78 National AP Scholars
- In the latest award year, CCHS had 62 National Merit Scholar Finalists, 2 Semi-Finalists, 33 Commended Students, and 3 National Hispanic Scholars

Why Study STEM?

- STEM occupations will grow 1.7 times faster than non-STEM occupations over the period from 2008 – 2018.
-Office of Science and Technology Policy
- The top 10 bachelor-degree majors with highest median earnings are all in STEM fields.
-U.S. Department of Commerce

STEM Courses and Clubs

- CCHS offers 30 science, 29 mathematics, and 19 computer science/technology courses.

These courses include:

8 STEM AP courses

Video Production

Engineering Physics

Data Systems and Structures

Medical Careers

iOS Programming

Biochemistry

Marine Biology

Criminal Justice

- 15 STEM clubs currently exist and more are introduced every year

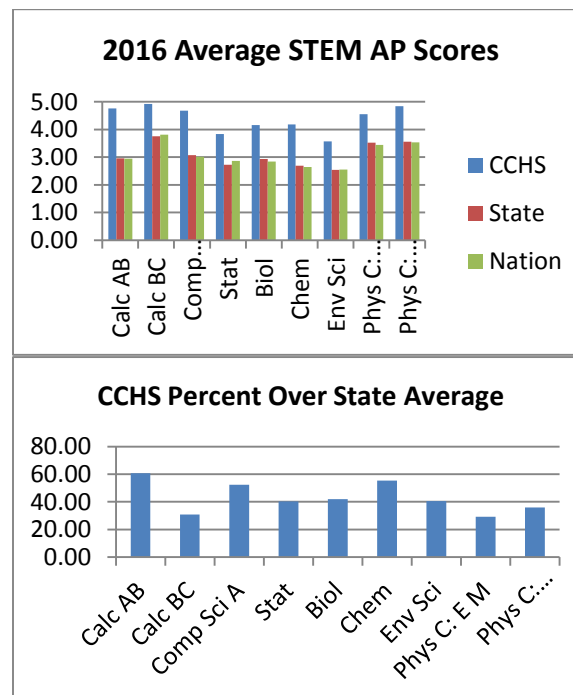
What is STEM?

STEM, which stands for **Science, Technology, Engineering, and Mathematics**, is an interdisciplinary approach to teaching and learning. Using rigorous academic concepts and real world experiences, CCHS prepares students for success in higher education and an increasingly competitive global workforce.



The 2016 Intel Denver Metro Science Team consists only of CCHS students and graduates.

STEM AP's at CCHS



Students get ready for the 2016 CyberPatriot National Championship, where they took third place.