

### 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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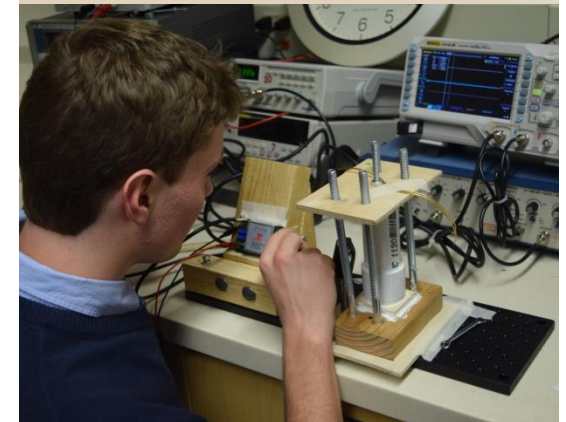
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### STEM Opportunities at CCHS



*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 Cherry Creek

- Ranked in the top 100 STEM high schools in the United States by U.S. News and World Report
- Student enrollment of approximately 3,730
- 215 faculty members, over two-thirds with 11 or more years of teaching experience, eight Ph. D.'s and 78% having earned at least one master's degree
- Blue Ribbon School from U.S. Department of Education
- Recipient of seven PRIDE awards, the highest number ever awarded, from the North Central Accreditation Association
- Advanced Placement courses offered in twenty-eight subject areas
- In 2019, 1,207 students took 2,743 Advanced Placement exams, with 90% scoring 3 or higher.
- 508 AP Scholars
- In the latest award year, CCHS had 26 National Merit Scholar Finalists, 26 National Merit Scholar Semi Finalists, 40 Commended Students, 2 National Achievement Scholars, and 6 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	iOS Programming
Video Production	Biochemistry
Engineering Physics	Marine Biology
Data Systems and Structures	Criminal Justice
Medical Careers	

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

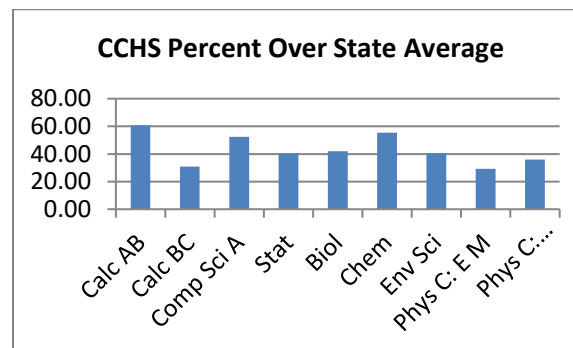
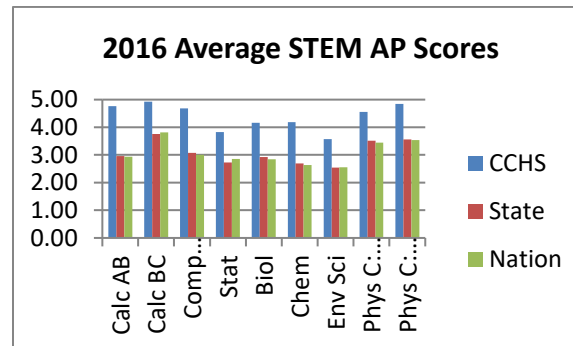
## What is STEM?

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.