



8773 South Ridgeline Blvd
 Highlands Ranch CO 80129
 303.683.STEM (7836)
 www.STEMk12.org

Opened: August 2011
 2021 - 2022 Enrollment (9-12): 537 students
 CEEB Code: 060741

STEM School Highlands Ranch

A Public Charter School of the Douglas County School District for Grades K - 12

Academic Program

Most courses follow standard DCSD (Douglas County School District) course descriptions and syllabi. Concurrent Enrollment classes have "CE" titles.

Concurrent Enrollment (CE): Simultaneous enrollment in an institution of higher education or career and technical course that may render college credit and satisfy credits toward high school graduation.

All STEM school students are required to take a **full schedule of Eight classes** per semester in grades 9 & 10. Students may be allowed to take **Six classes** per semester in grade 11 & 12.

WHO WE ARE

We are an innovative, free, public, charter learning community that puts innovation in the center of learning in order to unleash the unlimited potential of every child and prepare them for a world full of exponential possibilities.

WHAT WE DO

We offer a rigorous, relevant, real world education that is rooted in STEM-based problem-solving and fueled by constant innovation, exploration, inquiry and discovery

College Counselor Kelli Myrick, kelli.myrick@stemk12.org
Counselors Alyssa Woodward, alyssa.woodward@stemk12.org
 Sheri Langston, sheri.langston@stemk12.org
Registrar Tiffany Klenke, tiffany.klenke@stemk12.org

Graduation Requirements

A total of 24 credits are required for graduation and include minimum requirements as follows.

Department	Required Credit
English	4.0 credits
Mathematics	4.0 credits
Science	3.0 credits
Social Studies	3.5 credits
World Language	2.0 credits
S.T.E.M. Elective	3.0 credits
Fine Arts	1.0 credit
Physical Education/Health	1.0 credit
General Electives	2.5 credit

English/Language Arts:

English I
 CE ENG 121
 CE ENG 122
 World Lit
 CE LIT 115
 CE LIT 202
 American Lit
 AP Lang and Comp
 British Lit
 AP Lit and Comp
Science:
 Biology, Pre-AP, AP
 Chemistry, Pre-AP, AP
 Physics
 AP Physics I- Algebra based
 AP Physics C
 Earth and Environmental Science
 Human Anat and Physiology
 Astronomy
 Research and Lab Methodology
 Zoology

AP Environmental Science

Math:
 Algebra I, II
 Geometry
 Honors Algebra II
 Trig/ Pre- Calc
 Honors Trig/ Pre- Calc
 AP Calc AB
 AP Calc BC
 Statistics
 AP Statistics
 Financial Literacy
 Cryptography
 Intro to Mathematical Proofs
 CE MAT 204 Calc III
 CE MAT 255 Linear Algebra
 CE MAT 261 Different Equations
Social Studies:
 US Government, AP
 World Geography
 World History, AP
 US History, AP
 AP Human Geography

Archaeology

Psychology
 Economics
Fine & Performing Arts:
 Ceramics I, II, III
 Drawing & Painting I
 Drawing II
 Painting II
 Digital Photography I, II
 Video Production I, II, III
 Graphic Design I, II
 Art III
 AP Studio Art: Drawing
 AP Studio Art: 2D Design: Photo
 AP Studio Art: 2D Design:Paint
 AP Art History
 HS Symphonic Ensemble
 Classical Guitar
 HS Advanced Guitar Ensemble
 Music Fundamentals
 HS Music Production
 CE Music 161
 CE Music 162

HS Instrumental Ensemble

HS Theater I, II
 HS Theater Performance
World Languages:
 French I, II, III, IV, AP
 Mand Chinese I, II, III, IV
 Spanish I, II, III, IV
 AP Spanish Language and Culture
 AP Spanish LIT
Computer Science:
 Intro to Programming
 Game Design I, II
 AP Computer Science A
 Mobile App Development
 AP Computer Science Principles
 CE-CNG 121 A+ I
 CE-CNG 122 A+ II
 CE CNG 124 Networking I, II
 CE-CNG 132 Network Security
Business Electives:
 CE Accounting Principles
 CE Intro to Business

Business Principles

Entrepreneurship
 Marketing I
 FBLA/DECA
 CE ACC 132
 CE ACC 133
Engineering:
 CE Applied Structural Anal
 Robotics I, II
 TSA,
 CAD
 CE CAD 255
 CE CAD 262
 Manufacturing
 Advanced Manufacturing
 Digital Electronics
 Transportation Technology
 CE AEC 110
 CE AEC 206

Grading, Weighting, Class Rank

Class of 2022 (156 students)

Grading Standards:

STEM does not issue any plus (+) or minus (-) grades

A	90-100	4.0
B	80-89	3.0
C	70-79	2.0
D	60-69	1.0
F	0-59	

Weighting:

STEM School does not award weighted grades for Honors classes.

An additional 1.0 weighting is given to all Concurrent Enrollment (CE) and Advanced Placement (AP) grades.

GPA/Class Rank:

STEM School does not rank students. Grade point average is cumulative, based on all the courses for which credit is given.

Weighted GPA Distribution

Top Quartile	4.25 - 4.80
Second Quartile	3.89 - 4.23
Third Quartile	3.30 - 3.88
Fourth Quartile	1.34 - 3.29

Test (# tested)	Middle 50%	Mean
139	1000-1390	1202

AP Exams (May 2021)	484 exams, 24 areas
254 test takers	Grades of 3 or higher: 58%

Class of 2021 (157 students)

92% applied and accepted to college
78% attending 4-year colleges
14% attending 2-year colleges
5% participating in gap year

College Acceptances for the Class of 2018 - Class of 2021

Arapahoe Community College
Arizona State University
Baylor University
Beloit College
Boston University
Bradley University
Brigham Young University
Bucknell University
California Polytechnic State University
Chapman University
City University of New York
Clark University
Clarkson University
College of St. Benedict
Colorado Christian University
Colorado Mesa University
Colorado School of Mines
Colorado State University
Columbia College
Cornell College
Creighton University
Dakota State University
DePaul University
DigiPen Institute of Technology
Drake University
Duke University
Embry-Riddle Aeronautical University
Florida State University
Fort Lewis College
Full Sail University
Georgetown University
George Mason University
George Washington University
Gonzaga University
Grand Canyon University
Hawaii Pacific University
Hofstra University
Illinois Institute of Technology
Illinois Wesleyan University
Iowa State University
Kansas State University
Knox College
Lafayette College
Lake Forest College
Le Moyne College
Lehigh University
Lewis & Clark College
Liberty University
Loyola Marymount University
Loyola University-Chicago
Lipscomb University
Louisiana State University
Marquette University

Metropolitan State University of Denver
Miami University
Michigan State University
Milwaukee School of Engineering
Montana State University-Bozeman
New Mexico State University
New York Institute of Technology
New York University
Northeastern University
Northern Arizona University
Northwestern University
Norwich University
Ohio State University
Oregon State University
Oregon Tech University
Pennsylvania State University
Pepperdine University
Princeton University
Purdue University
Regis University
Rensselaer Polytechnic Institute
Rochester Institute of Technology
Rocky Mtn. College of Art & Design
Rose-Hulman Institute of Technology
St. Gregory Seminary
St. Louis University, MO
St. Mary's College of California
St. Olaf College
San Diego State University
Santa Clara University
Santa Fe College
Sarah Lawrence College
Savannah College of Art and Design
Sewanee University
South Dakota Sch of Mines & Technology
Southwestern University
Spartan College of Aeronautics and Tec.
Stanford University
Syracuse University
Temple University
Texas A&M University
Texas A&M University, Galveston
Texas Christian University
University of Alabama - Huntsville
University of Arizona
University of California - Berkeley
University of California - Irvine
University of California - Los Angeles
University of California - San Diego
University of California - Santa Barbara
University of Chicago
University of Cincinnati
University College of Dublin

University of Colorado - Boulder
University of Colorado - Colorado Springs
University of Colorado - Denver
University of Connecticut
University of Denver
University of Florida
University of Georgia
University of Hawaii
University of Illinois
University of Information Technology - Rzeszow, Poland
University of Iowa
University of Kansas
University of Maine
University of Manchester - England
University of Maryland- College Park
University of Massachusetts - Amherst
University of Michigan
University of Minnesota
University of Missouri
University of Nebraska - Lincoln
University of New Hampshire
University of Northern Colorado
University of Oklahoma
University of Oregon
University of Pennsylvania
University of Portland
University of Puget Sound
University of Rochester
University of San Diego
University of South Carolina
University of Southern California
University of Tampa
University of Tennessee
University of Utah
University of Victoria
University of Virginia
University of Vanguard
University of Wisconsin - Madison
University of Wyoming
Virginia Commonwealth University
Washington State University
Wentworth Institute of Technology
Western Colorado University
Western Michigan University
West Virginia University
Wichita State University
Wooster, College of
Worcester Polytechnic Institute
York College of Pennsylvania