



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

Opened: August 2011
 2020 - 2021 Enrollment (9-12): 638 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 & Career Kandace Lytle, kandace.lytle@stemk12.org
Counselors Alyssa Woodward, alyssa.woodward@stemk12.org
 Alexa Nichols, alexa.nichols@stemk12.org
Counseling Asst Jessica Connelly, jessica.connelly@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
 FBIA/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

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.

Class of 2021 (167 students)

Weighted GPA Distribution

Top Quartile	4.25 - 4.65
Second Quartile	3.75 - 4.23
Third Quartile	3.12 - 3.72
Fourth Quartile	1.31 - 3.12

Test (# tested) Middle 50% Mean

SAT - No data due to COVID. The SAT test at STEM is rescheduled for 9/23/2020. We will update the profile as soon as we receive scores.

AP Exams (May 2020) **403 exams, 19 areas**
(223 test takers) Grades of 3 or higher: 72%

Class of 2020 (110 students)

98% applied and accepted to college
76% attending 4-year colleges
19% attending 2-year colleges
4% attending certification program
1% participating in gap year

College Acceptances for the Class of 2018 - Class of 2020

Alabama, University of – Huntsville
Arapahoe Community College, CO
Arizona State University
Arizona, University of
Baldwin Wallace University
Baylor University, TX
Beloit College, WI
Boston University
Bradley University
Brigham Young University
California Polytechnic State University, CA
California, University of – Berkeley
California, University of – Irvine
California, University of – Los Angeles
California, University of – San Diego
California, University of – Santa Barbara
Case Western Reserve University
Central Community College
Clark University
Colorado, University of – Boulder
Colorado, University of – Denver
Colorado Christian University
Colorado, University of – Colorado Springs
Colorado Mesa University, CO
Colorado Mountain College
Colorado School of Mines
Colorado State University – Ft. Collins
Colorado State University – Pueblo
Columbia College, IL
Connecticut, University of
Cornell College
Creighton University, NE
Denison University
Denver, University of
DePaul University
Drexel University, PA
Embry-Riddle Aeronautical Univ, Daytona
Embry-Riddle Aeronautical Univ, AZ
Evangel University
Florida, University of
Florida State University
Fort Lewis College
Full Sail University
Georgia, University of
Georgetown University
George Mason University
Gonzaga University
Gustavus Adolphus College

Hamline University
Harvey Mudd College
Hastings College, NE
Hawaii, University of- Manoa
Hofstra University
Illinois, University of- Chicago
Illinois Institute of Technology
Illinois Wesleyan University
Iowa State University
Juniata College
Kansas, University of
Kentucky, University of
Kenyon College
Knox College
Lafayette College
Lawrence University
Le Moyne College
Lehigh University
Lewis & Clark College, OR
Lincoln Tech Denver
Linfield College, OR
Loyola Marymount University
Loyola University-Chicago
Lipscomb University, NE
Louisiana State University
Marquette University
Maryland, University of- College Park
Manchester, University of, England
Menlo College
Metropolitan State University of Denver
Miami University-Oxford
Michigan, University of
Milwaukee School of Engineering, WI
Minnesota, University of
Missouri State University
Montana State University-Bozeman
Nebraska, University of-Lincoln
Nevada, University of- Las Vegas
New Mexico State University
New Mexico, University of
New York Institute of Technology
New York University
Northeastern University
Northern Colorado, University of
Oberlin College
Ohio State University
Oregon, University of
Pace University- New York City

Pepperdine University
Portland, University of
Princeton University
Puget Sound, University of, OR
Purdue University, IN
Red Rocks Community College, CO
Reed College, OR
Regis University, CO
Rensselaer Polytechnic Institute
Rochester Institute of Technology, NY
Rochester, University of
Rose-Hulman Institute of Technology
Rocky Mtn. College of Art & Design, CO
Rose-Hulman Institute of Technology, IN
St. Benedict, College of, MN
St. Gregory Seminary
St. Louis University, MO
St. Mary, University of, KS
St. Olaf College
San Diego State University
San Diego, University of
Sarah Lawrence College
Scranton, University of
Seattle University
Sewanee University
South Dakota Sch of Mines & Technology
Southern Methodist University
Southwestern University
Spartan College of Aeronautics and Tec.
Stanford University
Syracuse University
Tarrant County College
Tennessee, University of
University of Dublin - Ireland
University of Information Technology - Rzeszow, Poland
Utah, University of
Vanguard, University of- Vanguard
Virginia Tech
Wartburg College
Wentworth Institute of Technology
Wellesley College, MA
Whitman College, WA
Wisconsin, University of – Madison
Wichita State University
Wooster, College of, OH
Worcester Polytechnic Institute
Wyoming, University of