

2021-2022 Course Registration

**Mrs. Nichols (A-K), Mrs. Woodward (L-Z)
Counselors**

Graduation Requirements/STEM Requirements

Course Name	Minimum STEM Graduation Requirements	STEM Scholar Graduation Requirements	HEAR (CO Higher Education Admission Recommendations)
English	4	4	4
Math	4	4	4
Science	3	3	3
Social Studies	3.5	3.5	3
World Language	2	2	1
S.T.E.M. Elective	3	7	
Fine Arts	1	1	
Physical Education/Health	1	1	
General Electives	2.5	4.5	2
Total	24	30	

Additional Graduation Requirements

Other Graduation Requirements	Standard Diploma	STEM Scholar
Community Service Requirements	20 Hours	100 Hours
ICAP Completion	required	required
AP/CE Courses	n/a	At least two courses
GPA Requirement	n/a	3.5 or Higher
Demonstration of Competency on Exam (see explanation and exam list below)	required	required

Competency Exams

Exam	English	Math
Accuplacer	62	61
ACT	18	19
ACT WorkKeys	Bronze+	Bronze+
Advanced Placement	2	2
ASVAB	31	31
Concurrent Enrollment	Passing Grade	Passing Grade
SAT	470	470
District Capstone	Individualized	Individualized
Industry Certificate	Individualized	Individualized

Standard Track--Class of 2021 & Beyond

Graduation Requirements	Freshmen	Sophomore	Junior	Senior
English (4 credits)	English I	World Literature	American Literature	British Literature
Math (4 credits) Algebra II required	*Algebra I	*Geometry	*Algebra II	*Precalc/Trig
Social Studies (3.5 credits) Government required	Government/Geography	World History	American History	.5 elective
Science (3 credits) 2 lab based	Biology	Chemistry	Physics	Continue as STEM elective if topic of interest
Art (1 credit)	.5 Art	.5 Art	Continue as general elective if topic of interest	Continue as general elective if topic of interest
PE (1 credit)	.5 PE	.5 PE	Continue as general elective if topic of interest	Continue as general elective if topic of interest
World Language (2 credits)	World Language I	World Language II	Continue world language as general elective if topic of interest	Continue world language as general elective if topic of interest
STEM Electives (3 credits)	Science, Computer Science, Engineering, Math course	Science, Computer Science, Engineering, Math course	Science, Computer Science, Engineering, Math course	Science, Computer Science, Engineering, Math course
General Electives (2.5 credits)			General Elective or any course from course catalog	General Elective or any course from course catalog
	Study Hall (required)	Study Hall	Study Hall	Study Hall

Advanced Track on STEM's Campus--Class of 2021 & Beyond

Please consider workload and areas of passion when deciding which & how many advanced courses to take per semester. Reach out to counselors and content area teachers for guidance.

STEM Scholar Requirements	Freshmen	Sophomore	Junior	Senior
English (4 credits)	CE ENG 121/122	CE LIT 115/202	AP Language & Composition	AP Literature & Composition
Math (4 credits) Algebra II required	*Geometry	*Algebra II	*Precalc/Trig	*AP Calc AB
Social Studies (3.5 credits) Government required	Government/Geography OR AP Human Geography	AP World History OR AP Government	AP American History OR AP Government	.5 elective
Science (3 credits) 2 lab based	AP Biology	AP Chemistry	AP Physics I	AP Physics C (counts as STEM elective)
Art (1 credit)	.5 Art	.5 Art	Continue as general elective if topic of interest	Continue as general elective if topic of interest
PE (1 credit)	.5 PE	.5 PE	Continue as general elective if topic of interest	Continue as general elective if topic of interest
World Language (2 credits)	World Language I	World Language II	Continue world language as general elective if topic of interest	Continue world language as general elective if topic of interest
**STEM Electives (7 credits)	Science, Computer Science, Engineering, Math course	Science, Computer Science, Engineering, Math course	Science, Computer Science, Engineering, Math course	Science, Computer Science, Engineering, Math course
General Electives (2.5 credits)			Science, Computer Science, Engineering, Math course	Science, Computer Science, Engineering, Math course
	Study Hall (required)	Study Hall or general elective	Study Hall or general elective	Study Hall or general elective

STEM High School - Highlands Ranch Graduation Requirements

Name:

ID#

Graduation Year:

STEM Regular Diploma
24 earned credits minimum
20 hrs community service minimum

STEM Scholar Diploma
30 earned credits minimum
100 hrs community service minimum
3.5 GPA minimum
Minimum of 2 CE and/or AP Courses

1 Block/1 semester = .5 Credit Hours (CE Courses Vary)

LANGUAGE ARTS 4 Credits

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MATHEMATICS 4 Credits *Scholar requires 1 credit of advanced level - Trig/Precalc and above*

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SCIENCE 3 Credits Lab based classes and have either Physics or Chemistry

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SOCIAL STUDIES 3.5 Credits **Government is required** *Scholar must include US History or World History*

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STEM ELECTIVES 3 Credits *Scholar requires 7 credits*

FINE ART 1 Credit

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WORLD LANGUAGE 2 Credits, same language

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PHYSICAL EDUCATION 1 Credit

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GRADUATION COMPETENCY:

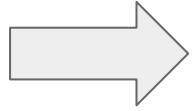
GENERAL ELECTIVES 2.5 Credits *Scholar requires 4.5 credits*

COUNSELOR NOTES:

We will email a PDF version of the Credit Check Sheet to all grades- keep your eyes peeled!

For course descriptions

Review the ACADEMIC PLANNING GUIDE



www.STEMk12.org



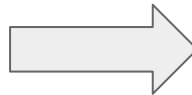
Academics



Student Support Services



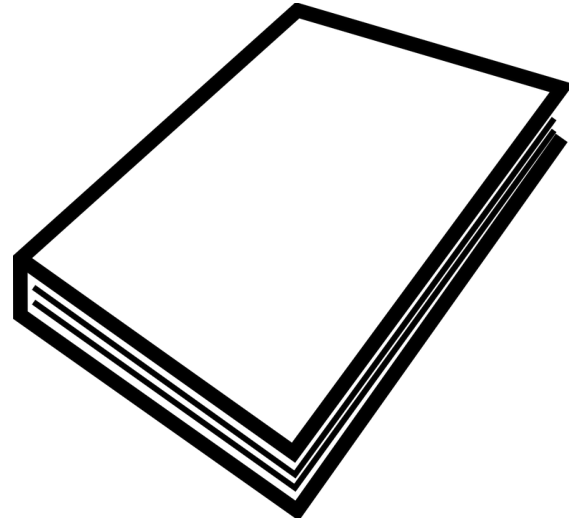
Academic Support



High School



Academic Planning Guide



If you are interested in taking Advanced Placement (AP) or Concurrent Enrollment (CE) classes

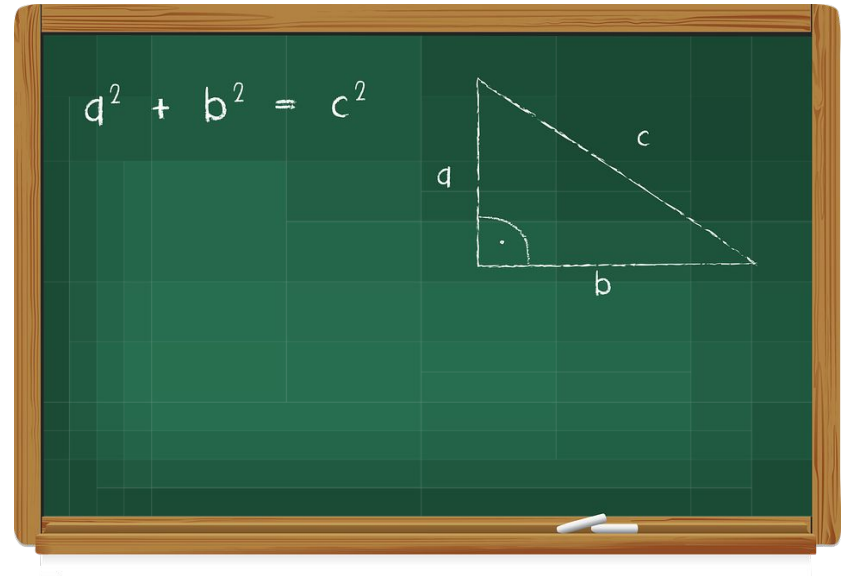


- College-level courses; can obtain college credit
- Speak with your current teacher and parent/guardian
- Refer to your Academic Planning Guide
- CE:
 - A lot are offered at STEM- talk to your assigned counselor
 - If you are interested in a CE class not offered at STEM, get in touch with Mrs. Connelly (jessica.connelly@stemk12.org), who is now in charge of off-campus CE classes!

Be Sure to Include Alternate classes

We cannot accommodate every request. So make sure you have backups!

- Class may be full
- Class may not fit in your schedule due to other classes being taken
- Off periods and TA/IS are open to juniors & seniors only with counselor permission



TELL US WHAT CLASSES YOU'RE INTERESTED IN!

New Course
Registration Google
Form!



Yay Technology!

https://docs.google.com/forms/d/e/1FAIpQLScYMz00pWvNfVTux7po0iP0l3bygVMMh_gOLMN0W3JQjbwE6w/viewform?usp=sf_link

- Follow the link to pick what classes you would like to take
- Record/send yourself your answers to refer back to
- Enter your classes into IC
- **Counselors build your schedule based off of what we see in your IC-** so make your list and check it twice!

CAREER DISCOVERY OPTIONS FOR HIGH SCHOOL STUDENTS

- *Explore STEM & other career fields in real world settings that can potentially lead to an internship/apprenticeship or full/part-time job after graduation and during college.*
- *PTECH, CareerWise, Mentorship Program, Internships, Career Discovery nights, CE/DE*
- *Career Discovery [Info Slide Show](#)*

P-TECH

- Pathways in Technology Early College High Schools (P-TECH):
- Designed to begin as early as ninth grade and continue for up to six years to graduate with a high school diploma *AND* industry-recognized associate degree.
- Gain relevant workplace skills and valuable internships.
- STEM offers the mechatronics (and Cyber Security pathway soon!) pathway, = a synergetic integration of mechanical, electrical, control, automation, robotics, computer system for industry and computer engineering technologies.

CareerWise

- For students in grades 11 and 12 (must apply in grade 10)
- An organization that places our students with paid internships
- Four fields:
 1. financial services,
 2. business operations,
 3. advanced manufacturing, and
 4. computers.

Counselors will be Available

By email, appointment, or drop-in office hours!

Office Hours:

12/4/2020 12:00 pm - 2:30 pm ([Zoom Link](#)) and

12/11/2020 8:00 am - 11:30 am ([Zoom Link](#))

Bring your credit check sheet and questions!

Course registration is due by...

Friday, December 11th

You will be inputting courses in IC AT HOME this year due to COVID. We will let you know when this action is required.

**This presentation
will be available on
STEMk12.org**

