



STEM Academy 12th Grade(2020-21)

Student: _____
 PRINT: Last _____ First _____ MI _____

Required Google Form Entry Deadline _____ Student ID # _____

Home Phone _____ Business Phone _____ Parent Cell _____

My son/daughter will attend STEM Academy for the 21-22 school year. YES or NO

Graduation Plan: *Foundations with Distinguished Level of Achievement* Endorsements: STEM / Manufacturing / Multi-Disciplinary

Credit Requirements – 26 total		
English Lang Arts: 4.0	Fine Arts: 1.0	Social Studies: 4.0
Mathematics: 4.0	Health: 0.5	Physical Education: 1.0
Science: 4.0	Electives: 6.5	Languages other than English (LOTE): 2.0

SUMMARY SCHEDULE:

Review the course offerings on the back of this page. Print below the courses you have selected. Select seven offerings for EACH semester. If a course is a full-year course, list it in the first semester column with an arrow to the second semester column.

In order to better understand your wishes, prioritize your elective choices (i.e. most desired elective goes into the first elective space, second most desired choice goes into the second elective, etc.) As much as possible, your elective choices on this grid will be honored. In the event it becomes necessary, due to master schedule constraints, your priority and alternative selections will be considered when developing your schedule.

1st SEMESTER

2nd SEMESTER

Tchr Rec	Course #	Course Title	Course #	Course Title
	1.	English IV AP	→	English IV AP
	2.	Math:	→	Math :
	3.	Science:	→	Science:
	4.	Social Studies: Government		Social Studies: Economics
	5.	STEM Elective		STEM Elective
	6.	Elective (ex. Fine arts, PE, LOTE)		Elective
	7.	Elective		Elective

Course #	ALTERNATE CHOICES: You MUST list a total 3 full year (1.0) electives to be considered as options for any elective course(s) that don't fit in to your schedule.		
	Alternate 1-		Alternate 1-
	Alternate 2-		Alternate 2-
	Alternate 3-		Alternate 3-
	SUMMER SCHOOL: List course(s) you plan to take this summer. (If applicable)		

CHOOSE CAREFULLY. STEM Academy has a June 1, 2021, deadline to make changes.

STEM ACADEMY HAS A "NO CHANGE OF MIND" POLICY AFTER THE DEADLINE.

Student Signature: _____

Parent Signature: _____

Place a check mark in the box next to the desired course.

Note: an asterisk (*) means a pre-requisite course, testing, and/or teacher recommendation is required.

STEM English/Language Arts (1 credit):

- H1501L English IV AP
- H1502L English IV G/T AP*

STEM Social Studies (1 credit total):

- H4811L MacroEco AP & H 4350L AP US Govt
- H4822L Economics & H4346L Govt

STEM Mathematics (1 credit):

- H2719L Pre-Calculus Pre-AP
- H2734L AP Calculus AB
- H2735L AP Calculus BC

STEM Science (1 credit):

- H3445L Physics II AP

STEM Elective (1 credit) – must select one:

Engineering Course Pathway:

- H8250L Principles of Applied Eng
- H8252L Eng Design & Pres I*
- H8258L Eng Design & Prob Solv**
- H2860L Practicum in STEM

Engineering Electives

- H8094L Robotics I*
- H8095L Robotics II*

Advanced Electives –

Graduation Capstone Distinction

- H4131L AP Research

Technology/Programming Course Pathway:

- H3005L Computer Sci Honors*
- H3006L Computer Sci Honors II
- H3010L AP Computer Science A
- H3007L AP Comp Sci Principles
- H8260L Practicum in STEM

Manufacturing Course Pathway:

- H8250L Principles of Applied Engineering
- H8094L Robotics I*
- H8095L Robotics II*
- Hxxx Practicum in Entrepreneurship

Advanced Math Course Pathway:

- H2947L Statistics AP
- H8251L Engineering Mathematics

Advanced Science Course Pathway:

- H3243L AP Biology
- H3253L Anatomy & Physiology
- H3328L – Organic Chemistry
- H3743L AP Enviro Science

Biomedical Course Pathway

- H8342L Biotechnology
- H6758L Medical Microbiology
- H6759L Pathophysiology
- H8260L Practicum in STEM

LEE Electives:

MATH ELECTIVES (1 credit):

- H2330 College Algebra
- H2610 Adv Quantitative Reasoning

FINE ARTS (1 credit)

- H5499 Art History AP
- H5501 AP Design Portfolio (2D)
- H5502 AP Drawing Portfolio (2D)
- 5508 Advanced Photography
- 5511 Art I
- 5512 Art I Pre-AP (Pre-Req: MS art)
- 5521 Drawing II (2D)

STUDENT LEADERSHIP (1 credit)

- H7501 JROTC I
- H7502 JROTC II
- H7503 JROTC III
- H7504 JROTC IV
- H7505 JROTC R/D
- H7506 JROTC Staff
- H7611 Student Govt/Leadership*
- H7620 PALS*

SOCIAL STUDIES ELECTIVES:

- 4221 AP European History
- H4829 AP Psychology (0.5 credit)
- H4831 Sociology (0.5 credit)

JOURNALISM:

- H1703 Journalism
- H1743 Adv Dig/News Prod I
- H1744 Adv Dig Prod II
- H1745 Adv Dig Prod III
- H1746 Yearbook Prod I
- H1747 Yearbook Prod II
- H1748 Yearbook Prod III
- H1753 Ind Study Journalism
- 1720 Photojournalism

FINE ARTS (cont):

- H5523 Sculpture II (3D)
- H5525 Painting II (2D)
- H5531 Drawing III (2D)
- H5541 Drawing IV (2D)
- H5533 Sculpture III (3D)
- H5543 Sculpture IV (3D)
- H5535 Painting III (2D)
- H5545 Painting IV (2D)
- H5611 Band
- H5619 Band Color Guard - Flags
- H5662 Stage Band (Jazz Band)
- H5671 Orchestra*
- H5672 Orchestra II
- H5673 Orchestra III
- H5674 Orchestra IV
- H5680 AP Music Theory
- H5691PG Guitar I
- H5691 Inst Ensemble I
- H5692 Inst Ensemble II
- H5693 Inst Ensemble III
- H5694 Inst Ensemble IV
- H5711 Girls' Choir
- H5712 Mens' Choir
- H5721 Choir II (Varsity)
- H5731 Choir III
- H5741 Choir IV
- H5751 Vocal Ens I
- H5761 Vocal Ens II
- H5762 Show Choir
- H5891PG Guitar I
- H5900 Theatre Arts (acting)
- H5905 Theatre Arts II
- H5906 Theater Arts III
- H5907 Theater Arts IV
- H5920 Tech Theater (pre-req MS TA)
- H5925 Tech Theater II
- H5930 Tech Theater III

DANCE:

- H7402 Pep Squad (performance based)
- H7403 Dance II Pep
- H7404 Dance III Pep
- H7405 Dance IV Pep
- H7411 Dance I Dixie Drillers
- H7412 Dance II Dixie Drillers
- H7413 Dance III Dixie Drillers
- H7415 Dance I Rebel Rousers
- H7416 Dance II Rebel Rousers
- H7417 Dance III Rebel Rousers
- H7418 Dance IV Rebel Rousers

DANCE (cont.):

- H7421 NC Dance I (non-competition)
- H7422 NC Dance II
- H7423 NC Dance III
- H7424 NC Dance IV
- H7431 Dance II Cheerleading
- H7432 Dance III Cheerleading
- H7433 Dance IV Cheerleading

FOREIGN LANGUAGE (1 credit)

- H5013 French I
- H5023 French II
- H5024 French II Pre-AP
- H5033 French III
- H5034 French III Pre-AP
- H5044 French IV Pre-AP
- H5045 French Language AP
- H5213 Latin I
- H5223 Latin II
- H5224 Latin II Pre-AP
- H5233 Latin III
- H5234 Latin III Pre-AP
- H5244 Latin IV Pre-AP
- H5252 AP Latin Vergil
- H5113 German I
- H5123 German II
- H5124 German II Pre-AP
- H5133 German III
- H5134 German III Pre-AP
- H5144 German IV Pre-AP
- H5145 German Language AP
- H5313 Spanish I
- H5315 Spanish II Native Pre-AP
- H5323 Spanish II
- H5324 Spanish II Pre-AP
- H5332 Spanish III Native Pre-AP
- H5333 Spanish III
- H5334 Spanish III Pre-AP
- H5343 Spanish IV
- H5344 Spanish IV Pre-AP
- H5345 Spanish Language AP
- H5346 Spanish Lit AP*
- H5413 Japanese I
- H5423 Japanese II
- H5424 Japanese II Pre-AP
- H5433 Japanese III
- H5434 Japanese III Pre-AP
- H5444 Japanese AP
- H5445 Mandarin Chinese
- H5446 Mandarin Chinese II
- H5447 Mandarin Chinese II Pre-AP
- H5455 Mandarin Chinese III
- H5456 Mandarin Chinese III Pre-AP
- H5457 Mandarin Chinese AP

FOREIGN LANGUAGE (cont.):

- H5451 American Sign Language
- H5452 American Sign Language II
- H5453 American Sign Language III
- H5454 American Sign Language IV

HEALTH (0.5 credit):

- H7101 Health

P.E. & Health (0.5 credit each):

- H8801 Healthy Lifestyles

P.E. (0.5 credit):

- H7207 Fitness Basics
- H7208 Outdoor Adventure
- H7209 Dynamic Cardio Training
- H7211 Individual Recreation Activities
- H7222 Team Recreation Activities
- H7273 Sports Med (no PE credit – 0.5)
- H7274 Sports Med II (no PE credit - 1)

ATHLETICS (0.5 credit):

- H7330 Cross Country 4 – fall (boy/girl)
- H7334 Boys Track 4 – spring
- H7338 Girls Track 4 – spring

ATHLETICS (1 credit):

- H7292 Wrestling 4 – Girls/Boys
- H7304 Football 4
- H7314 Boys Basketball 4
- H7318 Girls Basketball 4
- H7321 Softball 4
- H7325 Baseball 4
- H7344 Tennis 4 – Girls/Boys
- H7354 Golf 4 – Girls/Boys
- H7364 Swimming 4 – Girls/Boys
- H7368 Diving 4 – Girls/Boys
- H7374 Girls Volleyball 4
- H7393 Boys Soccer 4
- H7397 Girls Soccer 4

COMMUNICATION (1 credit):

- H5809 Prof Communication (0.5 credit)
- H5800 Public Speaking
- H5805 Public Speaking II
- H5820 Debate I
- H5825 Debate II
- H5827 Debate III H
- H5828 IS Speech H (Debate IV)
- H6731 Audio/Video Production
- H6741 Audio/Visual Prod II

OTHER ELECTIVE:

- H7634 Office Aide (Year)
- H7911 Senior Early Release (1st period)
- H7918 Senior Early Release (8th period)

For additional course offerings, please see the Legacy of Educational Excellence (LEE) High School course card.