



STEM ACADEMY

Elective Options for 2020-2021 School Year

<p><u>English</u> Journalism I (10-12) Yearbook (10-12) Ancient Literature, Virgil and Caesar (10-12) Film Studies (11,12) DE English 1010 (only for Seniors) AP Research can replace English 4</p>	<p><u>Design Thinking - STEM</u> STEM 1 (required elective for new students) (all 9th) Scientific Problem Solving (10,11) Scientific Modeling (11,12)</p>	
<p><u>Math</u> Pre-Calculus, College Prep or Honors (11,12) Dual Credit Statistics (11,12) (replaces CP option) AP Statistics (11,12) Honors Physics (11-12) Applied Math Concepts, College Prep (12th only) AP Computer Science (11,12) AP Computer Science Principles (11,12) AP Calculus AB (11,12) AP Calculus BC (11,12)</p>	<p><u>Science</u> Anatomy and Physiology (11,12) Astronomy (10-12) Geology (10-12) Microbiology (11,12) Physics, Honors (11,12) AP Environmental Science (10-12) AP Physics 1 (11,12) AP Physics C Mechanics (11, 12)</p>	<p><u>General Electives</u> Driver's Education (10-12) Intro to Philosophy: Humanities (10-12) Peer Tutoring (11,12) Advanced PE (11,12) Leadership 1 & 2 (11-12) GIS - Geographical Information Systems (10-12)</p>
<p><u>Social Studies</u> African American History (11,12) AP US History Combined Studies (11) AP Human Geography (10-12) AP European History (10-12) AP Comparative Politics (11-12) AP Psychology (11,12) Dual Credit Psychology (11,12) (replaces CP option)</p>	<p><u>World Languages</u> Latin 3, Honors (11,12) AP Latin Vergil and Caesar (11,12) Mandarin Chinese I (9-12) Mandarin Chinese II (10-12) Ancient Greek 1 Arabic 1</p>	<p><u>Quest Courses (online)</u> Science Fiction Literature Appalachian/Southern Literature Spanish 2 Aerobics Advanced Strength & Conditioning</p>
<p><u>Fine Arts</u> Art I (9-12) Advanced Art General (10-12) Advanced Art Drawing (10-12) Art Honors (11,12) AP Studio Art: 2D Design (11,12) AP Studio Art: Drawing (11,12) AP Studio Art: 3D Design (11,12) Vocal Music I (9-12) Choral Ensemble (10-12) Musical Theater (10-12) Concert Band: Woodwinds & Brass Percussion Ensemble (10-12) String Orchestra (9-12) Development of Rock and Roll (10-12) AP Music Theory (11-12) Theater Arts I for Film and TV (10-12)</p>	<p><u>Career & Technical</u> Digital Arts and Design I (10-12) Digital Arts and Design II (10-12) Digital Arts and Design III (10-12) Intro to Animation and Simulation (10-12) Advanced Animation and Simulation (11,12) Web Design Foundations I (10-12) Web Design Foundations II (11-12) Web Design Foundations III: Practicum (12) Computer Science Foundations (9-11) Cybersecurity (10-12) Networking (10-12) Computer Systems (10-12) Coding 1 & 2 (10-12) AP Computer Science Principles (11-12) AP Computer Science A (11-12) GIS - Geographical Information Systems (10-12)</p>	<p><u>AP Capstone</u> AP Seminar (10-12) AP Research (11,12)</p> <p><u>DUAL ENROLLMENT</u> If you are a rising junior or senior, contact Mrs. Morrell if you are interested in dual enrollment courses. There will be a dual enrollment info meeting on Monday, Feb. 17 in the Counseling Office at 8:45 am.</p>

Graduation Requirements Check Off List

4 credits of English (I, II, III, IV) 1___ 2___ 3___ 4___

4 credits of Math (Alg I or Integrated Math 1, Int. Math 2, Int. Math 3, higher-level math) 1___ 2___ 3___ 4___

4 credits of Science (Bio, Chem or Physics, 2 additional lab sciences) 1___ 2___ 3___ 4___

3.5 credits of Social Studies

___ **World History or AP Human Geography (1 credit)**

___ **US Government (.5 credit)**

___ **US History (1 credit)**

___ **Econ (.5 credit)** ___ **Personal Finance (.5 credit)**

1.5 credits of Physical Education

___ **Lifetime Wellness (1 credit)**

___ **PE (.5 credit)** ___ **activity PE***

*The additional ½ credit in PE may be met by completing a PE course or by participating (65 hours of physical activity) in school-sponsored activities.

2 credits Foreign Language 1___ 2___

1 credit Fine Arts ___

3 credits Elective Focus** 1_____ 2_____ 3_____

**The elective focus should be 3 courses in 1 of these areas: (see elective focus options sheet for more info)

Science and/or math

Humanities

Fine arts

AP or Dual Enrollment

STEM

Physical Education

Human Services

The same CTE program area

A total of 28 credits are needed for graduation.

___ **Take the ACT exam**

___ **Pass the Civics exam with a 70% or higher**

TNREADY tests will be given for English I & II, Int. Math I, II, III, US History, & Biology. All other courses will be given a local EOC or teacher-made final at the end of the course.