



John C. Kimball

High School

Course Catalog

2023-2024



TABLE OF CONTENTS

INFORMATION & PLANNING

Graduation vs College Requirements	3
4 Year Plan Worksheet.....	4
GPA (Grade Point Average)	5
KHS A-G Course List.....	6

COURSES

English.....	7
Mathematic.....	10
Non-Departmental Electives.....	13
CTE Electives.....	19
Physical Education (PE).....	25
Science.....	28
Social Science.....	34
Social Science Electives.....	36
Visual and Performing Arts.....	37
Visual Art.....	37
Drama.....	40
Music.....	41
World Languages	44
Special Education.....	48
English	49
Math	50
Science.....	51
Social Science	52
Skills.....	53
Medical and Health Services Academy.....	54



HS GRADUATION REQUIREMENTS VS 4 YR COLLEGE REQUIREMENTS

SUBJECT REQUIREMENT	TRACY UNIFIED	4 YR COLLEGE
HISTORY	3 YEARS	2 YEARS
ENGLISH	4 YEARS	4 YEARS
MATHEMATICS	2 YEARS (ALGEBRA 1 REQUIRED)	3 YEARS (4 YRS RECOMMENDED)
SCIENCE	3 YEARS (Biology, Chemistry & Physics Required)	2 YEARS (LAB SCIENCES, 3 YRS RECOMMENDED)
FOREIGN LANGUAGE	1 YEAR*	2 YEARS (3 YRS RECOMMENDED)
VISUAL/PERFORMING ARTS	1 YEAR*	1 YEAR
PHYSICAL EDUCATION	2 YEARS	NONE
ELECTIVES	70 CREDITS MINIMUM	1 YEAR MUST BE A-G

*TUSD requires 1 year of foreign language (or) 1 year of art.

TUSD requires 220 credits for graduation



4 YEAR PLAN WORKSHEET

4 YEAR PLAN WORKSEET JOHN C KIMBALL HIGH SCHOOL

Fill out this worksheet with courses you plan to take while at KHS.

To meet A-G requirements you must earn a “C” or better.

9th	10th	11th	12th
English	English	English	English
Math	Math	(Math)	(Math)
Biology	Chemistry or Physics	Chemistry or Physics	(Science)
Core 9 PE	PE	Elective	Elective
Art or Foreign Lang	World History	US History	Gov't / Econ
Elective	Elective	Elective	Elective

The course sequence below depicts a typical student taking six courses each semester.

Please note that this is not a reflection of any specific program offered.

9th grade / Freshman

- English 1
- Math (Algebra 1 or higher)
- Biology
- Core 9 PE
- Elective
- Elective

11th grade / Junior

- English 3
- Chemistry or Physics
- US History
- Elective
- Elective
- Elective

10th grade / Sophomore

- English 2
- Math (Geometry or higher)
- Chemistry or Physics
- World History
- Advanced PE
- Elective

12th grade / Senior

- English 4
- Government/Economics
- Elective
- Elective
- Elective
- Elective



GRADE POINT AVERAGE (GPA)

Grade Point Average is calculated using the student's semester grades as follows:

A = 4.0 (Honors/AP/IB Weighted GPA A = 5.0)

B = 3.0 (Honors/AP/IB Weighted GPA B = 4.0)

C = 2.0 (Honors/AP/IB Weighted GPA C = 3.0)

D = 1.0 (Honors/AP/IB Weighted GPA D = 1.0)

F = 0.0

Tracy Unified school district lists three types of GPAs on our transcripts for the following purposes:

Academic GPA 9-12 calculated using grades earned in all courses from years 9-12, both weighted and non-weighted.

Academic GPA 10-12 calculated using grades earned in A-G courses during years 10-12. This GPA is used to determine college eligibility. It is important to note that the UC/CSU system recalculates GPA for admissions differently. A-G courses taken during 9th grade are also an integral part of meeting the minimum requirements necessary for UC/CSU eligibility.

Total GPA 9-12 calculated using grades earned in all courses from years 9-12, both weighted and non-weighted. This GPA is used to determine eligibility for graduation and participation in athletic programs.

Repeating Courses

Students may at some point need to repeat a course for purposes of meeting high school graduation requirements or to meet college eligibility requirements. Once the repeated course is completed, both the initial grade and the repeated grade will appear on the transcript. Credit from the initial course will be removed, as credit is only allowed once per course. When a course is being repeated during the school year, you must consider the loss of credit when calculating credit requirements for graduation.

Depending on the course, availability to repeat may be offered during the school year, summer school, adult school and online. Please discuss your individual circumstance with your academic counselor.



KHS A-G Course List

A HISTORY / SOCIAL SCIENCE

World History
AP World History
US History
AP US History
American Government
AP Government & Politics

C MATHEMATICS

Algebra 1
Algebra 1 w/ Support
Geometry
Algebra 2
Algebra 2 Advanced
Advanced Math
Pre Calculus
AP Calculus AB
AP Computer Science

E FOREIGN LANGUAGE

Spanish 1
Spanish 2
Spanish for Heritage Speakers
Spanish 3
AP Spanish 4
AP Spanish 5
French 1
French 2
French 3
AP French

G Elective (1 YEAR)

AVID 9, 10, 11, 12
Consumer Home Economics
Economics
Intro to Psychology
AP Psychology
Speech and Debate 1 & 2
Video Game Design
Yearbook Design
Intro to Creative Writing
Health Concepts
Entrepreneurship

B ENGLISH

English 1 / MHS English 1
English 1 Advanced / MHS Eng1 Adv
English 2 / MHS English 2
English 2 Advanced / MHS Eng 2 Adv
English 3 / MHS English 3
AP English Language
English 4 / MHS English 4
AP English Literature
Expo Read & Write

D SCIENCE

Biology
Enhanced Biology / MHS Enh Bio
AP Biology
Chemistry
Enhanced Chemistry / MHS Enh Chem
Physics
Enhanced Physics
AP Physics 1
Human Physiology
Intro to Computer Science

F Visual & Performing Arts

Intro to Animation	Drama
Art & Design	Advanced Drama
Advanced Art	Technical Theater
AP Drawing	Beginning Choir
Graphic Arts	Concert Choir
Adv Graphic Arts	Kimball Classics
Multicultural Arts	Symphonic Band
Media Production	Concert Band
Video Production 2	Jazz Band
Digital Photography	Orchestra

For up to date information regarding KHS A-G information,
Please visit:

<https://hs-articulation.ucop.edu/agcourselist/institution/2111>



ENGLISH

English 1 P 1003

Grade Level: 9

Prerequisite: **None**

Graduation: Fulfills the first year of the four year English requirement

A-G: Meets "B" requirement

This course will include orientation and instruction in college preparatory language art skills including composition, grammar, reading, and speaking. Reading analysis and the writing process will be emphasized. This course is Common Core based and will provide the necessary skills for more advanced work. Students should expect homework 3-4 nights per week. Homework policy follows the guidelines adopted by the school board (Board Policy 6154) and is in the school's handbook.

English 1 P Advanced 1010

Grade Level: 9

Prerequisite: **"B" or better in 8th grade English and current English teacher's signature.**

Graduation: Fulfills the first year of the four year English requirement

A-G: Meets "B" requirement

Students must meet proficiency criteria for enrollment. This class is an option for the student who wishes an additional challenge. Advanced students will develop critical reading and writing skills in preparation for more advanced work. Students in this course will learn SAT vocabulary. They will write daily and be responsible for reading 1000 pages for SSR each grading period. Student should expect homework daily. Homework policy follows the guidelines adopted by the school board (Board Policy 6154) and is in the school's handbook

English 2 P 1133

Grade Level: 10

Prerequisite: **None**

Graduation: Fulfills the second year of the four year English requirement

A-G: Meets "B" requirement

This college preparatory course offers further development of the language arts skills previously practiced. Vocabulary, grammar, reading, writing, and speaking skills are further refined and integrated in a Common Core based program. Students are required to read and respond critically to different literary genres. Students should expect homework 3-4 nights per week. Homework policy follows the guidelines adopted by the school board (Board Policy 6154) and is in the school's handbook

English 2 P Advanced 1125

Grade Level: 10

Prerequisite: **"C" or better in current English class.**

Graduation: Fulfills the second year of the four year English requirement

A-G: Meets "B" requirement

Students must meet proficiency criteria for enrollment. This course will cover the same core material from English 2, but it for students intending to enroll in Advanced Placement English in 11th and 12th grade. It is a fast-paced, challenging course that will develop and refine reading and writing skills. Students should expect homework daily. Homework policy follows the guidelines adopted by the school board (Board Policy 6154) and is in the school's handbook



ENGLISH

English 3 P 1263

Grade Level: 11

Prerequisite: **None**

Graduation: Fulfills the third year of the four year English requirement.

A-G: Meets “B” requirement

This college preparatory class builds and expands on skills taught in English 1 and 2. The curriculum is Common Core based. Students will respond critically to core literature through writing, listening and speaking. The writing process is emphasized as performance expectations increase. Students should expect homework daily. Homework policy follows the guidelines adopted by the school board (Board Policy 6154) and is in the school’s handbook

AP English Language 3 1273

Grade Level: 11

Prerequisite: **“C” or better in current English class and completion of the AP contract.**

Graduation: Fulfills the third year of the four year English requirement.

A-G: Meets “B” requirement

This course begins a two-year program of advanced study of language and composition. Students will develop skills in analysis of different literary genres and rhetorical devices. Students will learn how to use rhetorical devices, as well as diction and syntax, to construct well thought arguments for both oratory and written presentations. This is a rigorous college level course. Students will learn and practice skills that will prepare them to take the Advanced Placement examination in Language and Composition. **Summer reading will be required prior to starting this class. The student will be responsible for obtaining the summer assignment from the school website.** Students should expect homework daily.

English 4 P 1383

Grade Level: 12

Prerequisite: **None**

Graduation: Fulfills the fourth year of the four year English requirement.

A-G: Meets “B” requirement

This college preparatory class builds and expands on skills taught in previous English courses. Students will study literature and continue to develop grammar and vocabulary skills in a Common Core based program, Critical analysis, thoughtful discussion, and writing are emphasized. Students should expect homework daily. Homework policy follows the guidelines adopted by the school board (Board Policy 6154) and is in the school’s handbook



ENGLISH

AP English Literature 4 1393

Grade Level: 12

Prerequisite: **“C” or better in current English class and completion of the AP contract.**

Graduation: Fulfills the fourth year of the four year English requirement.

A-G: Meets “B” requirement

This is a second course in a two-year program of advanced study. Students will study challenging college-level literature. They will develop advanced analytical skills through critical reading and construct well thought arguments for written presentation. Performance expectations are very high. This course prepares students to take the Advanced Placement examination in Literature and Composition. **Summer Reading will be required prior to starting this class. The student will be responsible for obtaining the summer assignment from the school website.** Students should expect homework daily.

Expository Reading & Writing P (11) 6182

Grade Level: 11

Prerequisite: **“C” or better in current English.**

Graduation: Fulfills the Third year of the four year English requirement.

A-G: Meets “B” requirement

The grade 11 Expository Reading and Writing Course (ERWC) engages students in the discovery of who they are as persons, the realization of the ways in which they can participate in society, and their development as critical consumers and effective communicators within society. Employing a rhetorical, inquiry-based approach that fosters critical thinking, student agency, and metacognition, the course includes six full-length modules drawn from five categories: 1) American foundational documents; 2) American drama; 3) full-length books; 4) research; and 5) contemporary issues (two modules). In addition, the course includes five concept mini-modules that address transferable skills applicable to conceptual development and practice across all modules, e.g., genre awareness, goal setting and self-assessment, rhetorical situation, Aristotelian appeals. The core structure of all the modules—the Assignment Template—progresses along an “arc” from reading rhetorically (preparing to read, reading purposefully, and questioning the text) to preparing to respond (discovering what you think) to writing rhetorically (composing a draft, revising rhetorically, and editing). By the end of the course, students will have read a range of literary and nonfiction text genres and produced 10-12 culminating projects, including academic essays, research reports, creative writing and performances, and multimedia presentations, from initial draft to final revision and editing.

Expository Reading & Writing P (12) 1283

Grade Level: 12

Prerequisite: **“C” or better in current English.**

Graduation: Fulfills the Fourth year of the four year English requirement.

A-G: Meets “B” requirement

The goal of the Expository Reading and Writing Course is to prepare college-bound seniors for the literacy demands of higher education. Through a sequence of fourteen instructional modules, students in this year long course develop advanced proficiency in expository, analytical and argumentative reading and writing. Modules also provide instruction in research methods and documentation conventions. Students will read closely to examine the relationship between an author’s argument or theme and his or her audience and purpose; to analyze the impact of structural and rhetorical strategies; and to examine the social, political and philosophical assumptions that underlie the text. Homework policy follows the guidelines adopted by the school board (Board Policy 6154) and is in the school’s handbook



MATHEMATICS

Algebra Readiness 2065

Grade Level: 9

Prerequisite: **Must be concurrently enrolled in Algebra 1**

Graduation: Fulfills 10 math credits. Does not meet Algebra requirement

A-G: No

Algebra Readiness is designed to support students concurrently enrolled in Algebra 1 with emphasis on foundational skills, student discourse, visual representations, and relational understandings. Topics covered include integers, equations, fractions, the coordinate system, and linear equations.

Algebra 1 P 2052

Grade Level: 9, 10, 11, 12

Prerequisite: **None**

Graduation: Fulfills 10 credits towards the Algebra requirement

A-G: Meets "C" requirement

Algebra 1 is designed to provide for a full year of fundamentals in Algebra. Topics covered include integers, expressions, equations, inequalities, functions, sequences, linear equations, linear inequalities, systems, statistics, polynomials, quadratics, and exponential functions. Upon completion of Algebra 1, students will be prepared to enroll in Geometry.

Geometry P 2103

Grade Level: 9, 10, 11, 12

Prerequisite: **"D" or better in Algebra 1.**

Graduation: Fulfills 10 math credits

A-G: Meets "C" requirement

Geometry is designed to provide for a full year of fundamentals in Geometry. Topics covered include constructions, transformation, congruence, triangles, proof, quadrilaterals, statistics, probability, similarity, trigonometry, solids, and circles. Upon completion of Geometry, students will be prepared to enroll in Algebra 2 or Advanced Algebra 2.



MATHEMATICS

Algebra 2 P 2093

Grade Level: 9, 10, 11, 12

Prerequisite: **“D” or better in Geometry.**

Graduation: Fulfills 10 credits towards Algebra/math requirement

A-G: Meets “C” requirement

Algebra 2 is designed to provide for a full year of intermediate and advanced Algebra. Topics covered include absolute value functions, piecewise functions, quadratic functions, polynomial functions, rational functions, radical functions, exponential functions, and logarithmic functions. Upon completion of Algebra 2, students will be prepared to enroll in Advanced Math or Pre-Calculus.

Algebra 2 P Advanced 2200

Grade Level: 9, 10, 11, 12

Prerequisite: **“D” or better in Geometry.**

Graduation: Fulfills 10 credits towards Algebra/math requirement

A-G: Meets “C” requirement

Algebra 2 Pre AP is designed to provide for a full year of intermediate and advanced Algebra, including more rigorous topics that extend into higher mathematics. Topics covered include absolute value functions, piecewise functions, quadratic functions, polynomial functions, rational functions, radical functions, exponential functions, and logarithmic functions. Upon completion of Algebra 2 Pre AP, students will be prepared to enroll in Advanced Math or Pre-Calculus.

Advanced Math P 2040

Grade Level: 11, 12

Prerequisite: **“D” or better in Algebra 2.**

Graduation: Fulfills 10 credits towards math requirement

A-G: Meets “C” requirement

Advanced Math is designed to provide for a full year of advanced Algebra. Advanced Math provides a third or fourth year of mathematics for students seeking an opportunity to build their mathematical fluency before advancing to Pre-Calculus or AP Statistics. Topics covered include analytical geometry, quadratic functions, trigonometric functions, systems, statistics, and probability. Upon completion of Advanced Math, students will be prepared to enroll in Pre-Calculus or AP Statistics.



MATHEMATICS

AP Pre Calc 2138

Grade Level: 9, 10, 11, 12

Prerequisite: **“B” or better in Algebra 2 or “B” or better in Algebra 2 Advanced.**

Graduation: Fulfills 10 credits towards math requirement

A-G: Meets “C” requirement

AP Precalculus prepares students for other college-level mathematics and science courses. The framework delineates content and skills common to college precalculus courses that are foundational for careers in mathematics, physics, biology, health science, social science, and data science. Students study each function type through their graphical, numerical, verbal, and analytical representations and their applications in a variety of contexts. Furthermore, students apply their understanding of functions by constructing and validating appropriate function models for scenarios, sets of conditions, and data sets, thereby gaining a deeper understanding of the nature and behavior of each function type. Specific topics include analytical geometry, quadratic functions, trigonometric functions, systems, matrices, vectors, polar coordinates, statistics, probability, and derivatives.

Modeling is also a key feature of the course. Students select, construct, and validate function models using transformations of functions and regressions. Students learn to select mathematical models-based characteristics of a bivariate data set; characteristics of covarying quantities and their relative rates of change; or a set of characteristics such as zeros, asymptotes, and extrema. Students also identify, interpret, and apply information from a function model for a given context or data set, subject to assumptions and limitations related to t

AP Calculus A/B 2132

Grade Level: 11, 12

Prerequisite: **“D” or better in Pre Calculus H and completion of the AP contract.**

Graduation: Fulfills 10 credits towards math requirement

A-G: Meets “C” requirement

AP Calculus AB is designed to be taught as a college level course to prepare students for taking the Advanced Placement examination in Calculus AB. Topics covered include limits, derivatives, integration, and the definite integral. Upon completion of AP Calculus AB, students will be prepared to enroll in college level Calculus course-work.

AP Computer Science 3317

Grade Level: 10, 11, 12

Prerequisite: **Concurrent enrollment in Algebra 2 and completion of the AP contract.**

Graduation: Fulfills 10 **elective** credits

A-G: Meets “C” requirement

Computer science embraces problem solving, hardware, algorithms and perspectives that help people utilize computers to solve real-world problems in everyday life. The AP Computer Science A course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design. These techniques represent proven approaches for development solutions that can scale up from small, simple problems to large, complex problems.



NON DEPARTMENTAL

AVID 9 P 0115

Grade Level: 9

Prerequisite: **Must be recommended by the AVID Coordinator, AVID Counselor or Teacher. Student must submit application (applications can be picked up and dropped off in your school's front office or click here for AVID application)**

Graduation: Fulfills 10 elective credits

A-G: Meets "G" requirement

Advancement Via Individual Determination (AVID) is an academic elective course that prepares students for college readiness and success, and it is scheduled during the regular school day as a year-long course. Each week, students receive instruction utilizing a rigorous college preparatory curriculum provided by AVID Center, tutor-facilitated study groups, strengthen metacognitive development, analytical reading and writing, communication skills, and academic success skills. In AVID, students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, organization and reading to support their academic growth. Students will increase awareness of their personal contributions to their learning, as well as their involvement in their school and community. Students will prepare for and participate in college entrance and placement exams, while refining study skills and test-taking, note-taking, and research techniques

AVID 10 P 0215

Grade Level: 10

Prerequisite: **AVID I or must be recommended by the AVID Coordinator and/or AVID Counselor. Complete AVID application and participate in an AVID interview. If you are not an AVID student, you must submit application for enrollment.**

Graduation: Fulfills 10 elective credits

A-G: Meets "G" requirement

This second sequence of Advancement Via Individual Determination (AVID) is an academic elective course that prepares students for college readiness and success, and it is scheduled during the regular school day as a year-long course. Each week, students receive instruction utilizing a rigorous college preparatory curriculum provided by AVID Center, tutor-facilitated study groups, strengthen metacognitive development, analytical reading and writing, communication skills, and academic success skills. In AVID, students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, organization and reading to support their academic growth. In the 10th grade year, students will continue to refine their academic learning plans and goals, increasing awareness of their actions and behaviors, as well as develop an increased ability to self-monitor, self-regulate, and manage time. Students will expand their writing portfolio to include: analyzing prompts, supporting arguments and claims, character analysis and detailed reflections. Lastly, students will narrow down their college and careers of interest, based on personal interests and goals.



NON DEPARTMENTAL

AVID 11 P 0315

Grade Level: 11

Prerequisite: **AVID II or must be recommended by the AVID Coordinator and/or AVID Counselor. Complete AVID application and participate in an AVID interview. If you are not an AVID student, you must submit application for enrollment.**

Graduation: Fulfills 10 elective credits

A-G: Meets "G" requirement

Advancement Via Individual Determination (AVID) is an academic elective course that prepares students for college readiness and success, and it is scheduled during the regular school day as a year-long course. Each week, students receive instruction utilizing a rigorous college preparatory curriculum provided by AVID Center, tutor-facilitated study groups, strengthen metacognitive development, analytical reading and writing, communication skills, and academic success skills. The course emphasizes rhetorical reading, analytical writing, collaborative discussion strategies, tutorial inquiry study groups, preparation for college entrance and placement exams, college study skills and test-taking strategies, note-taking and research. The eleventh grade AVID Elective course is the first part in a junior/senior seminar course that focuses on writing and critical thinking expected of first- and second-year college students. In addition to the academic focus of the AVID seminar, there are college-bound activities, methodologies and tasks that should be undertaken during the junior year to support students as they apply to four-year universities and confirm their postsecondary plans.

AVID 12 P 0415

Grade Level: 12

Prerequisite: **AVID III or must be recommended by the AVID Coordinator and/or AVID Counselor. Complete AVID application and participate in an AVID interview. If you are not an AVID student, you must submit application for enrollment.**

Graduation: Fulfills 10 elective credits

A-G: Meets "G" requirement

This fourth sequence of Advancement Via Individual Determination (AVID) is an academic elective course that prepares students for college readiness and success, and it is scheduled during the regular school day as a year-long course. Each week, students receive instruction utilizing a rigorous college preparatory curriculum provided by AVID Center, tutor-facilitated study groups, strengthen metacognitive development, analytical reading and writing, communication skills, and academic success skills. In AVID, students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, organization and reading to support their academic growth. In the 12th grade year, students will continue to refine their academic learning plans and goals, create legacy projects including service learning projects/mentoring, as well as develop an increased ability to self-monitor, self-regulate, and manage time. Students will expand their writing portfolio to include: an argumentative research paper on a social issue and detailed reflections. Lastly, students will prepare for college through the use of inquiry based collaborative study groups utilizing higher order thinking questioning techniques.



NON DEPARTMENTAL

AVID Tutor 8130

Grade Level: 11, 12

Prerequisite: **Must be recommended/approved by the AVID Coordinator, AVID Counselor, AVID Administrator or AP teacher.**

Graduation: Fulfills 10 elective credits

A-G: NO

AVID tutoring is a full year course for one period per day to assist AVID teachers at either the middle school or Kimball High in working with students who need help on improving their study skills and academic performance in the areas of English, math, social studies, and science. To become an AVID tutor, interested students must have good study skills, good grades and the desire to help others to be successful in a challenging environment. Additionally, all potential AVID tutors must be focused on four year college. Students must be recommended by their teachers and counselors and must participate in 16 hours of AVID tutor training during the summer prior to tutoring the AVID class. For more information about the AVID class, see the AVID course descriptions. If assigned to a middle school, you will be responsible for having your own transportation.

Speech & Debate 1 P 6061

Grade Level: 9, 10, 11, 12

Prerequisite: **None**

Graduation: Fulfills 10 Elective credits

A-G: Meets "G" requirement

This course is designed to introduce students to the basics of public speaking and presentation, They will experience a variety of speaking situations such as persuasive, expository and extemporaneous speech. The class aims to enhance students' ability to communicate and listen effectively in a range of contexts including interpersonal communication. They will learn to critically evaluate orally presented information and arguments, and to consider specific techniques for using language as a communication tool.

Speech & Debate 2 P 6062

Grade Level: 10, 11, 12

Prerequisite: **"C" or better in Speech & Debate 1 P.**

Graduation: Fulfills 10 Elective credits

A-G: Meets "G" requirement

This course is designed to provide students with opportunities for use of advanced speaking techniques.



NON DEPARTMENTAL

Sports Medicine 3420

Grade Level: 11, 12

Prerequisite: **“C” or better in Biology.**

Graduation: Fulfills 10 elective credits

A-G: No

Recommended as a MHSA Senior Elective

This year long course is designed for students who are interested in fields such as; Athletic Training, Physical Therapy, Medicine, Fitness, Physiology of Exercise, Kinesiology, Nutrition, and other sports medicine related fields. The Sport Medicine class includes class work and practical hands-on applications in the following areas; prevention, treatment, and rehabilitation of sports injuries, taping and wrapping of injuries, introduction to first aid/CPR, emergency procedures, and sports medicine careers.

Intro to Creative Writing P 5903

Grade Level: 9, 10, 11, 12

Prerequisite: **None.**

Graduation: Fulfills 10 elective credits..

A-G: Meets “G” requirement

This course is an introduction to the craft of creative writing in stories and poetry. Students will gain the tools to express themselves in the art of writing and give voice to their own experiences and emotions. This class is an introduction to the technical field of professional writing and editing. Technical skills covered in the class include: point-of-view, dialogue, pacing, sensory detail, sequence, and characterization. Poetry forms include couplets, free verse, sonnets, haiku, sapphic stanza and pantoum.

Advanced Creative Writing P 9091

Grade Level: 10, 11, 12

Prerequisite: **“C” or better if Intro to Creative Writing**

Graduation: Fulfills 10 elective credits..

A-G: Meets “G” requirement

The purpose of this course is to advance the craft of creative writing in stories and poetry. Students will gain the tools to express themselves in the art of writing and give voice to their own experiences and emotions. This class focuses on the technical field of professional writing and editing. Technical skills covered in the class include: point-of-view, dialogue, pacing, sensory detail, sequence, and characterization. Poetry forms include couplets, free verse, sonnets, haiku, sapphic stanza and pantoum.



NON DEPARTMENTAL

Leadership 8460

Grade Level: 9, 10, 11, 12

Prerequisite: **Elected ASB Officers, Class Officers and Appointed Commissioners by application process and with Activity Director's approval. Have a minimum GPA with no F's; signed parent/student contract.**

Graduation: Fulfills 10 Elective credits

A-G: No

This is a leadership development/activities class, for students who want to be actively involved in a Chapter, State or National student organization, or student body office. Students will receive training in public relations, team building, time and stress management, organizational skills, community service, career awareness and job preparation, project planning and presentations, public speaking and parliamentary procedures. Students will be involved in many hands-on activities and have the opportunity to practice all related skills. Students enrolled in the course are responsible for planning and carrying out all student body activities. The course will require considerable time outside of class. Students must maintain a minimum of a GPA and can have no F's in order to maintain good academic standing in leadership. Students will be removed from the course if they do not meet these requirements.

Yearbook P 6031

Grade Level: 9, 10, 11, 12

Prerequisite: **Must submit completed application.**

Graduation: Fulfills 10 elective credits

A-G: Meets G Requirement

Yearbook Design is a full year course dedicated to the production of the school yearbook. The yearbook is produced by a student staff and contains a pictorial history of the school year. Students with a "B" average in English may apply to become a staff member. The advisor chooses the yearbook staff and its editors after an interview. Editors usually have some prior experience in yearbook and have computer skills. Yearbook staff members and editors are required to put in several out-of-school hours covering school events in addition to the class period. Staff members must enroll for the entire year. **Students must fill out an application** and have the recommendation of an English teacher before registration in the spring. Computer experience in Photo Shop and Illustrator is not a requirement but a plus. Yearbook may be repeated; Year 2 and Year 3 (editors).



NON DEPARTMENTAL

Lab Assistant 8149

Grade Level: 11, 12

Prerequisite: **Teacher approval and signed contract.**

Graduation: Fulfills 10 Elective credits

A-G: No

Students may assist the teacher in preparation of learning materials and help the instructor with typing, filing, and copying materials. This section will be in a laboratory environment. (Students may not receive repeat credit as a Teacher Assistant for no more than 2 semesters.)

Teacher Aide 0800

Grade Level: 11, 12

Prerequisite: **Teacher approval and signed contract.**

Graduation: Fulfills 10 Elective credits

A-G: No

Students may assist the teacher in preparation of learning materials and help the instructor with typing, filing, and copying materials.

Office Clerk 8030

Grade Level: 11, 12

Prerequisite: **Staff approval and signed contract.**

Graduation: Fulfills 10 Elective credits

A-G: No

Office Clerk is a course designed to help students gain work experience in an office environment while supporting the KHS clerical and administrative staff. Students will be trained in office etiquette, office assistant skills and expected to follow the guidelines set forth by our clerical staff and administration. Because this class requires a student to be present in order to be of support, as well as to maintain a professional atmosphere, grades will be weighted heavily on daily participation points.



CTE ELECTIVES

Modern Carpentry 5300

Grade Level: 9, 10, 11, 12

Prerequisite: **None**

Graduation: Fulfills 10 elective credits

A-G: No

An activity class for students who want to learn how to build useful items of wood. No experience is required. Emphasis is placed on learning safe use of tools and machines through the construction of several projects selected and designed by the student. Skills developed in this class will be useful as lifetime skills around the home, for recreational activities, and/or for pre-vocational skills and exploration.

Intermediate Modern Carpentry 5325

Grade Level: 10, 11, 12

Prerequisite: **“C” or better in Modern Carpentry.**

Graduation: Fulfills 10 elective credits

A-G: No

This is year two of the Modern Carpentry program that provides individuals with the competencies and information needed in residential and commercial construction. Included is: the study of fasteners and hardware, finishes and coatings, materials, installation techniques, laminating and bending methods, new and emerging technologies, levels and transits, foundations and floors, walls and partitions, roof systems, electrical wiring, interior and exterior and exterior finishes, floor covering, metal construction, heating and cooling, plumbing, concrete and brick masonry, insulation, glazing, maintenance, and landscaping. Also included is the study of stair construction, electrical wire and cables, installing electrical boxes and cable and construction technology and safety laws, and power tool safety.

Advanced Modern Carpentry 5350

Grade Level: 11, 12

Prerequisite: **“C” or better in Intermediate Modern Carpentry.**

Graduation: Fulfills 10 Elective credits

A-G: No

An instructional program that provides individuals with the competencies and information needed in residential and commercial construction. Included is: the study of fasteners and hardware, finishes and coatings, materials, installation techniques, laminating and bending methods, new and emerging technologies, levels and transits, foundations and floors, walls and partitions, roof systems, electrical wiring, interior and exterior and exterior finishes, floor covering, metal construction, heating and cooling, plumbing, concrete and brick masonry, insulation, glazing, maintenance, and landscaping. Also included is the study of stair construction, electrical wire and cables, installing electrical boxes and cable and construction technology and safety laws, and power tool safety.



CTE ELECTIVES

Technical Drawing 5123

Grade Level: 9, 10, 11, 12

Prerequisite: **None**

Graduation: Fulfills 10 elective credits

A-G: No

This course is an introductory drafting course that will provide students with practical experiences in mechanical drawings. Included in the course are activities in measuring techniques, lettering, sketching, multi-view drawings, dimensioning, section-view drawings, auxiliary-view drawings and an introduction to pictorial drawings. Upon completion of the course students will be able to prepare and interpret simple architectural blueprints and will have a basic proficiency in the use of a computer aided drafting program. This course is a prerequisite for Advanced Technical Drawing. Additional hours for Career Preparation Standards are integrated into instructions in content area standards.

Advanced Technical Drawing 5130

Grade Level: 10, 11, 12

Prerequisite: **“C” or better in Technical Drawing.**

Graduation: Fulfills 10 Elective credits

A-G: No

This course is designed to help students build on the skills obtained in Technical Drawing. Students will continue to explore design principles and the applied use of those principles in residential and commercial design. Students will explore the history of architecture, measuring techniques, basic room design and a final floor plan design. The efficient use of space, sketches, drafted floor plans, isometric and perspective pictorials, elevations, site plans and blueprinting make up most of the course work. Students will also use three dimensional software to design and build a 3-D model.

Computer Applications 4503 (Year 1)/4504 (Year 2)

Grade Level: 9, 10, 11, 12

Prerequisite: **Year 1 completion to enroll in Year 2**

Graduation: Fulfills 10 elective credits

A-G: No

Computer Applications is an interactive course accessing and learning the tools and navigation of Microsoft Office. Business, industry and many careers infuse Word, PowerPoint, Access and Excel in its daily routine. This technological instruction will give your student a huge advantage academically and for industry purposes. Word processing, document formatting, and features provided in software will prepare students to become more efficient and productive. Our goal as educators are to teach students to enjoy and be proficient using a computer for future educational and career endeavors.



CTE ELECTIVES

Video Game Design P 6056

Grade Level: 9, 10, 11, 12

Prerequisite: **None**

Graduation: Fulfills 10 Elective credits

A-G: Meets "G" requirement

This course will teach students the basics of programming and video game design using the industry standard software Unreal Engine and Maya on Apple iMac computers. This course includes an introduction to basic knowledge, skills, ability, processes and tools required to create 3D Computer games and simulations.

Students will be involved in hands-on lab activities designed to help them create their own working games and a digital portfolio of original artwork to better prepare them for a career in the game design industry, as well as instruction in business communication and standard business procedures. The project-based curriculum integrates math, science, reading and technology while addressing real life skills through analyzing, brainstorming and creating solutions using the design progress.

Video Game Design 2 6057

Grade Level: 10, 11, 12

Prerequisite: **"C" or better in Video Game Design 1.**

Graduation: Fulfills 10 elective credits

A-G: No

This course will teach students the basics of programming and video game design using the industry standard software I on Apple iMac computers. This course includes an introduction to basic knowledge, skills, ability, processes and tools required to create 3D Computer games and simulations.

Students will be involved in hands-on lab activities designed to help them create their own working games and a digital portfolio of original artwork to better prepare them for a career in the game design industry, as well as instruction in business communication and standard business procedures. The project-based curriculum integrates math, science, reading and technology while addressing real life skills through analyzing, brainstorming and creating solutions using the design progress.



CTE ELECTIVES

Media Production P 6040

Grade Level: 9, 10, 11, 12

Prerequisite: **None**

Graduation: Fulfills 10 Fine Arts/elective credits

A-G: Meets "F" requirement

Enter the exciting world of video and digital video production! In this course, students acquire the visual arts skills to create quality video productions, using state of the art digital production equipment. There will be an emphasis on the uses of communication and organizational skills. Video Production will offer a comparison of the mediums of film, television and video. Students will study the history of film, television and video as art forms and as mass media, including their Impact on American culture. After exploring aspects of pre-productions and script writing, students learn camera work, lighting, and sound. They will study the art of directing and editing. Students will complete projects primarily in video.

Media (Video) Production 2 P 6049

Grade Level: 10, 11, 12

Prerequisite: **"C" or better in Media Production P.**

Graduation: Fulfills 10 Fine Arts/elective credits

A-G: Meets "F" requirement

This course will build upon the concepts of video production and participation in the pre- production, production, and post-production processes learned Beginning Video. Students will learn advanced editing, audio, and lighting concepts. Students will complete projects based on the analysis of film types and styles, which will be shown through class and the school announcements. Students will evaluate their films and the films of others to further apply the art of filmmaking, including the creative process, drafts within the writing process, and individual and collaborative work. Students will complete projects primarily in video. Students will complete service-learning projects that will promote school and community events, such as a daily video bulletin. Students will also contribute to the video yearbook for the year. In addition to class projects, students will be required to videotape events during the school day and after school up to 30 additional hours outside of class will be required throughout the year in order to pass this class.

Media (Video) Production 3 6059

Grade Level: 10, 11, 12

Prerequisite: **"B" or better in Media Production 2.**

Graduation: Fulfills 10 Fine Arts/elective credit

A-G: No

This course will build upon the concepts of video production and participation in the pre- production, production, and post-production processes learned in Introductory and Intermediate Video Production. Students will learn advanced editing, audio, and lighting concepts, as well as advanced composition and camera techniques. Students will complete service-learning projects that will promote local Tracy area businesses and organizations and TUSD events via the Kimball High News bulletin and Comcast 26 public access station. Students will continue to critique and analyze film and video of various genres and formats and complete video projects that will educate, explore, and promote film and video. Students will complete fiction and non-fiction narrative projects based on the analysis of film types and styles, which will be shown through class. Students will evaluate their own films as well as those of their peers to further apply the art of filmmaking, including the creative process, drafts within the writing process, and individual and collaborative work. Students will be expected to complete 30 hours of video outside of class and contribute to the video yearbook.



CTE ELECTIVES

Consumer Home Economics P 5501

Grade Level: 9, 10, 11, 12

Prerequisite: **None**

Graduation: Fulfills 10 elective credits

A-G: Meets "G" requirement

Get your life together! Seize the opportunity to learn "real life lessons," relate to family and friends, and face the future with confidence and security. Be prepared for "living" in the 21st Century and learn about "earning a living" in careers related to several of California's key industries. Learn critical skills and knowledge in food and nutrition, family living, child development, fashion, interiors, and consumer education. FCCLA activities will help you develop leadership and career skills for a head start on success! This exciting class will provide you with many tools to make the road to adulthood easier.

Work Experience Education (WEE) 8471(single period)/8472(double period)

Grade Level: 11, 12

Prerequisite: **Must maintain good attendance and a positive discipline record at school and on the job, good grades, and never exceed 15 hours of Saturday School. Must show proof of employment and obtain a work permit.**

Graduation: Fulfills 10 elective credits

A-G: No

This is an elective course that extends Career Technical Education (CTE) learning opportunities for students with a combination of paid employment (minimum of 10 hours per week), mandatory related classroom instruction, and supervised paid employment. Mandatory related classroom instruction is held one day a week that cannot be made up (1 class = 1 week of class instruction). Students must attend 6 of 8 classes and complete assignments to pass this class. You will report to a job located in Tracy (excludes employment as a babysitter, street vendor, housekeeper, self-employment, independent contractor or private residence, newspaper carrier, or door-to-door sales) during the week and attend a class session eight times per school quarter. The WEE program is a collaborative education that assists you in choosing a career path wisely, obtain entry-level job skills, and prepare for full-time employment. Skill development in the workplace will include positive work habits, ethical decisions, responsibility, and job-related skills to prepare you for school-to-career transitions.



CTE ELECTIVES

Intro to Marketing 4540

Grade Level: 9, 10, 11, 12

Prerequisite: **None**

Graduation: Fulfills 10 elective credits

A-G: No

Marketing is an exciting, hands-on business course. In this course, students will: Make print, audio and video ads, understand and easily identify the 4 P's: Product, Place, Price and Promotion, learn how to become an informed

Consumer, learn how to market products, understand product branding, packaging, labeling and distributing through hands-on activities, marketing/sales career research and assessment, develop the understanding of different

cultures and how they impact your profit, put more money in your pocket by developing your knowledge of making a profit in the world today, and form a PR firm and work in identified focus groups authoring a formal marketing plan. Learn how corporate positioning, public vs. private industry, affects marketing strategies.

Entrepreneurship P 4570

Grade Level: 10, 11, 12

Prerequisite: **"C" or better in Intro to Marketing**

Graduation: Fulfills 10 elective credits

A-G: Meets "G" requirement

Our global business world is ripe with vast opportunities to experience, and Entrepreneurship and Economics is designed as your guide to building your confidence and taking your place in business with vital management and planning skills to ensure success. Entrepreneurs are vital to the economy and provide opportunities to the world as developing economies. Students will understand the fundamentals of competitive marketing, production, finance and human resources that provide the foundations of global economies. Global economics will further be analyzed in relation to social and cultural influences, environmental concerns and legal issues. Critical communication skills, initiative, creativity and flexibility will be enhanced through cooperative problem solving techniques, utilizing global case studies and researching and creating business plans.

Intro to Law P 4586

Grade Level: 10, 11, 12

Prerequisite: **None**

Graduation: Fulfills 10 elective credits

A-G: Meets "G" requirement

Introduction to Law is an elective offered for 10th through 12 grade students at Kimball High School. It involves the study and practical applications of the field for law, which may include but not be limited to: the basis for our system of laws in the U.S. Constitution, the court system, criminal justice, juvenile justice, torts, consumer law, family law, individual rights and responsibilities, and modern day issues in law.



PHYSICAL EDUCATION

Core 9 PE 9001

Grade Level: 9
Prerequisite: **None**
Graduation: Fulfills 10 Physical Education credits
A-G: No

This is a required course for 9th graders that emphasizes fitness development. All students are tested using the FITNESSGRAM standards. Units are broken down into 3 to 4 week units. Activities will be composed of dual, individual, team, and lifetime sports. These may include, but are not limited to, aquatics, soccer, dance, combatives and gymnastics. The KHS Physical Education uniform (shirt/shorts) and athletic shoes are required.

Freshman Personal Fitness 9106

Grade Level: 9
Prerequisite: **None**
Graduation: Fulfills 10 Physical Education credits
A-G: No

This class is designed to teach the basic principles of fitness for Freshman students only. Students will learn, practice, and participate in fitness activities with students in their age group. This differs from the other personal fitness offering that can range from Sophomores to Seniors. An emphasis will be placed on building a foundation of fitness that can transfer to lifelong fitness goals.

Freshman Weight Training 9422

Grade Level: 9
Prerequisite: **None**
Graduation: Fulfills 10 Physical Education credits
A-G: No

This class is designed to teach the basic principles of weight training for Freshman students only. Students will learn, practice, and participate in weight training workouts with students in their age group. This differs from other weight training offerings that can range from Sophomores to Seniors. An emphasis will be placed on correct technique and slow progression in relation to strength.



PHYSICAL EDUCATION

Advanced PE 9101

Grade Level: 10, 11, 12

Prerequisite: **None**

Graduation: Fulfills 10 Physical Education credits

A-G: No

This is a varied activity course which meets the 2nd year of the PE requirement for graduation. Units are broken down into 3 to 4 week units. Activities will be composed of dual, individual, team, and lifetime sports. These may include, but are not limited to, golf, tennis, badminton, bocce ball, and volleyball. The KHS Physical Education uniform (shirt/shorts) and athletic shoes are required.

Advanced PE/0 Period 9451

Grade Level: 10, 11, 12

Prerequisite: **None**

Graduation: Fulfills 10 Physical Education credits

A-G: No

This class meets at 7:50AM

This is a varied activity course which meets the 2nd year of the PE requirement for graduation. Units are broken down into 3 to 4 week units. Activities will be composed of dual, individual, team, and lifetime sports. These may include, but are not limited to, golf, tennis, badminton, bocce ball, and volleyball. The KHS Physical Education uniform (shirt/shorts) and athletic shoes are required.

Personal Fitness 9201

Grade Level: 10-12

Prerequisite: **“C” or better in the previous Physical Education class.**

Graduation: Fulfills 10 Physical Education credits

A-G: No

This course is designed for students who are interested in participating in high impact daily fitness exercises focusing on improving fitness levels. The course will include high and low impact aerobic activities, strength training, and body weight training. Elements of Cross-Fit training will be implemented. Personal Fitness can be used to fulfill the Advanced PE requirement for graduation. The KHS Physical Education uniform (shirt/shorts) and athletic shoes are required.



PHYSICAL EDUCATION

Competitive Athletics 9400

Grade Level: 10,11, 12

Prerequisite: **“C” or better in the previous Physical Education class.**

Graduation: Fulfills 10 Advanced Physical Education credits

A-G: No

This is a varied activity course which meets requirements for 10th grade PE. This class is also recommended for 11th and 12th graders. Units are broken down into 3 to 4 week units. Activities will be composed of dual, individual, team, and lifetime sports. These may include, but are not limited to; golf, tennis, badminton, Bocce ball, and volleyball. The KHS Physical Education uniform (shirt/shorts) and athletic shoes are required. Due to limited space, priority will be given to students participating in the following sports: tennis, golf, softball, baseball, cross-country, and/or track and field.

Weight Training 9420

Grade Level: 10, 11, 12

Prerequisite: **“C” or better in previous Physical Education class.**

Graduation: Fulfills 10 Advanced Physical Education credits

A-G: No

This course is designed to meet the year round training needs of all students. The focus of Weight Training is to improve athletic ability and prevent injuries through the use of weightlifting. This class will lean toward bodybuilding and general strength building. This class is not designed for athletic performance such as Speed and Power Weight Training. Weight Training can be used to fulfill the Advanced PE requirement for graduation. The KHS Physical Education uniform (shirt/shorts) and athletic shoes are required.

Speed and Power Weight Training 9460

Grade Level: 10, 11, 12

Prerequisite: **“C” or better in previous Physical Education class.**

Graduation: Fulfills 10 Advanced Physical Education credits

A-G: No

The focus of Speed and Power Weight Training is to improve athletic ability and prevent injuries through the use of functional fitness, weightlifting, core strengthening, flexibility work, and speed & agility training. This is not a bodybuilding/general strength building class like Weight Training is. While visual improvements may occur, the goal of this class is to improve athletic performance not visual appearance. Speed and Power Weight Training can be used to fulfill the Advanced PE requirement for graduation. The KHS Physical Education uniform (shirt/shorts) and athletic shoes are required. Due to limited space, priority will be given to students participating in football. **(Offered 6th period only)**

SCIENCE

Biology P 3136

Grade Level: 9, 10, 11, 12

Prerequisite: **None**

Graduation: Fulfills 10 Life Science credits

A-G: Meets “D” requirement

Biology is the natural science that involves the study of life and living organisms, including their physical and chemical structure, function, development and evolution. This course gives students a good foundation in Biology with related Earth Science phenomena and Engineering applications. The following topics will be covered: cell structure and function; mitosis and cell division; cell differentiation; systems of specialized cells; homeostasis and feedback mechanisms; energy and matter flow through ecosystems; ecosystem dynamics; photosynthesis and cellular respiration; history of earth’s atmosphere and biogeochemical cycles; DNA structure and function; meiotic cell division; genetics; DNA replication; protein synthesis; evidence of evolution; natural selection and adaptations; social interactions and group behavior; ecosystem stability and its response to climate change; the influence of natural resource availability, natural hazards, and changes in climate on human populations; human impacts on ecosystems; natural resources and global climate change; conservation of natural resources-solutions and sustainability. This course meets all NGSS standards for Biology and Engineering Design, and many NGSS standards for Earth and Space Sciences. This is one of three science courses that are required for high school graduation.

Enhanced Biology P 3163

Grade Level: 9, 10, 11, 12

Prerequisite: **“B” or better in 8th grade Science and current Science teacher signature.**

Graduation: Fulfills 10 Life Science credits

A-G: Meets “D” requirement

Biology is the natural science that involves the study of life and living organisms, including their physical and chemical structure, function, development and evolution. This course gives students a good foundation in Biology with related Earth Science phenomena and Engineering applications. In addition, Enhanced Biology provides students with the additional skills and content necessary for advanced study in the sciences. The following topics will be covered: cell structure and function; mitosis and cell division; cell differentiation; systems of specialized cells; homeostasis and feedback mechanisms; energy and matter flow through ecosystems; ecosystem dynamics; photosynthesis and cellular respiration; history of earth’s atmosphere and biogeochemical cycles; DNA structure and function; meiotic cell division; genetics; DNA replication; protein synthesis; evidence of evolution; natural selection and adaptations; social interactions and group behavior; ecosystem stability and its response to climate change; the influence of natural resource availability, natural hazards, and changes in climate on human populations; human impacts on ecosystems; natural resources and global climate change; conservation of natural resources-solutions and sustainability. This course meets all NGSS standards for Biology and Engineering Design, and many NGSS standards for Earth and Space Sciences. This is one of three science courses that are required for high school graduation.

SCIENCE

AP Biology 3339

Grade Level: 11, 12

Prerequisite: **“C” or better in Biology P/Enhanced, Chemistry P/Enhanced and Physics P/Enhanced. Requires completion of the AP contract.**

Graduation: Fulfills 10 Life Science credits

A-G: Meets “D” requirement

This course will prepare students for the AP exam in Biology. Students that score well on the test can earn college credit. Topics covered include: Biochemistry, cells, energy relationships, reproduction and heredity, and genetic variation. Students taking Advanced Biology should be prepared to study college/university level topics using a college textbook. Added emphasis will be on inquiry, laboratory skills and mathematical computation. **Students entering this class are expected to complete a summer assignment prior to the beginning of the academic year which is due the first week of school.**



SCIENCE

Chemistry P 3266

Grade Level: 10, 11, 12

Prerequisite: **None**

Graduation: Fulfills 10 Physical Science credits

A-G: Meets "D" requirement

This course gives students a good foundation in Chemistry with related Earth Science phenomena and Engineering applications. The following topics will be covered: scientific measurements, combustion, conservation of mass and energy, atomic structure and bonding, Coulomb's law, the internal structure of the earth, feedback loops, thermochemistry, periodic table, chemical reactions, stoichiometry, Le Châtelier's law, reaction rates, greenhouse gases, climate change and human effects, solutions, acids and bases, the carbon cycle, resource management, and engineering designs. This course meets all NGSS standards for Chemistry and Engineering Design, and many NGSS standards for Earth and Space Sciences. This is one of three science courses that are required for high school graduation.

Enhanced Chemistry P 3294

Grade Level: 10, 11, 12

Prerequisite: **"C" or better in Biology P/Enhanced and concurrent enrollment in Geometry or higher level math. Current science teacher signature.**

Graduation: Fulfills 10 Physical Science credits

A-G: Meets "D" requirement

This course gives students a good foundation in Chemistry with related Earth Science phenomena and Engineering applications. In addition, Enhanced Chemistry provides students with the additional skills and content necessary for additional study in the sciences. The following topics will be covered: scientific measurements, combustion, conservation of mass and energy, atomic structure and bonding, Coulomb's law, the internal structure of the earth, feedback loops, thermochemistry, periodic table, chemical reactions, stoichiometry, Le Châtelier's law, reaction rates, greenhouse gases, climate change and human effects, solutions, acids and bases, the carbon cycle, resource management, and engineering designs. This course meets all NGSS standards for Chemistry and Engineering Design, and many NGSS standards for Earth and Space Sciences. This is one of three science courses that are required for high school graduation.



SCIENCE

Physics P 3330

Grade Level: 10, 11, 12

Prerequisite: **None**

Graduation: Fulfills 10 Physical Science credits

A-G: Meets "D" requirement

Physics is the study of matter and energy and the interaction between them. Physics is about asking fundamental questions about the world around us, and trying to answer them by observing and experimenting. This course gives students a good foundation in Physics with related Earth Science phenomena and Engineering applications. The following topics will be covered: forces, laws of motion, structures, plate tectonics, momentum, collisions, universal gravity, Kepler's laws, planetary motion, waves, earthquakes, wave technology, the nature of light, optics and light spectra, the big bang theory, electrostatics, electricity and circuits, magnetism and electromagnetic induction, energy, power plants, renewable sources, nuclear radiation and processes, and history of the Earth, stars and the universe. This course meets all NGSS standards for Physics and Engineering Design, and many NGSS standards for Earth and Space Sciences. This is one of three science courses that are required for high school graduation.

Enhanced Physics 3311

Grade Level: 10,11, 12

Prerequisite: **"C" or better in Biology P/Enhanced and concurrent enrollment in Geometry or higher level math. Current science teacher signature**

Graduation: Fulfills 10 Physical Science credits

A-G: Meets "D" requirement

Physics is the study of matter and energy and the interaction between them. Physics is about asking fundamental questions about the world around us, and trying to answer them by observing and experimenting. This course gives students a good foundation in Physics with related Earth Science phenomena and Engineering applications. In addition, Enhanced Physics provides students with the additional skills and content necessary for advanced study in the sciences. The following topics will be covered: forces, laws of motion, structures, plate tectonics, momentum, collisions, universal gravity, Kepler's laws, planetary motion, waves, earthquakes, wave technology, the nature of light, optics and light spectra, the big bang theory, electrostatics, electricity and circuits, magnetism and electromagnetic induction, energy, power plants, renewable sources, nuclear radiation and processes, and history of the Earth, stars and the universe. This course meets all NGSS standards for Physics and Engineering Design, and many NGSS standards for Earth and Space Sciences. This is one of three science courses that are required for high school graduation.



SCIENCE

AP Physics 1 3315

Grade Level: 11, 12

Prerequisite: **“C” or better in Biology P / Enhanced and Chemistry P / Enhanced. “C” or better in Algebra 2. Signature of recommendation from math and science teachers.**

Requires completion of the AP contract.

Graduation: Fulfills 10 Physical Science credits

A-G: Meets “D” requirement

AP Physics 1 is an algebra based introductory college level physics course that is the equivalent to a first semester college course. The course explores the following topics: Newtonian Mechanics (including rotational motion), work, energy and power, mechanical waves and sounds, and introductory to simple circuits. Through inquiry based learning, students will develop scientific, critical thinking and reasoning skills. The requirement is 25% hands on laboratory work. Students are encouraged to take the AP Physics exam in May. This course meets all NGSS standards for Physics and Engineering Design, and many NGSS standards for Earth and Space Sciences. This is one of three science courses that are required for high school graduation. **Summer assignment is due the first day of school. See school website for details.**

Human Physiology P 3203

Grade Level: 11, 12

Prerequisite: **“C” or better in Biology P / Enhanced and current science teacher signature.**

Graduation: Fulfills 10 elective credits

A-G: Meets “D” requirement

Recommended as a MHS Senior science elective.

The study of Human Physiology is for students interested in careers in any field related to health or medicine, such as nursing, physical or sports therapy, chiropractic, veterinary science, medical coding, etc. While it is NOT an Advanced Placement course, this course uses a junior college textbook and is taught at the first-year level. This course includes the study of the human body, its structure and how it functions. The course concentrates on the organ systems making up the human body and how they interact to maintain health through homeostasis. Inquiry based labs are essential to learning human physiology. Dissections are a required part of this course. Students need good study and organizational skills, above average reading ability and excellent vocabulary skills.



SCIENCE

Introduction to Computer Science P 4558

Grade Level: 9, 10, 11, 12

Prerequisite: **“C” or better in Algebra 1, including 9th graders who have completed a high school level Algebra 1 course.**

Graduation: Fulfills 10 **elective** credits

A-G: Meets “D” requirement

Introduction to Computer Science is designed for students with no prior experience programming or coding to build their foundational understanding of computer science and basic programming using JavaScript. Topics covered include data types, loops, algorithms, and data structures. Upon completion of Introduction to Computer Science, students will be prepared to enroll in AP Computer Science Principles or AP Computer Science A.



SOCIAL SCIENCE

World History P 7103

Grade Level: 10

Prerequisite: **None**

Graduation: Fulfills 10th grade social science requirement

A-G: Meets "A" requirement

This course examines major events, philosophical movements and technical advances in world history from the rise of democratic states in the 17th Century to the present era. World History is a 10th grade graduation requirement that examines the critical events, trends, government, economics, religious, philosophical movements, and technological advances that effect the course of Western, as well as Middle Eastern, Asian, African and Western Hemisphere cultures from the rise of democratic states in the early 1600s to the present era.

AP World History: Modern 7104

Grade Level: 10

Prerequisite: **"C" or better English 1 P and completion of the AP contract..**

Graduation: Fulfills 10th grade social science requirement

A-G: Meets "A" requirement

Students may take this course instead of World History P to engage in a more rigorous course of study in preparation for college. This course is an in-depth, college-level study of the evolution of human civilizations, global processes and contacts, and comparisons among major societies focusing on changes and continuities. The course builds on an understanding of cultural, political, economic, social, and technological precedents that along with geography, sets the stage for societies and interactions from the 1200's to the present day. Document-based analysis, essays, and reading assignments from various texts and primary sources are emphasized. Students enrolled in the course are encouraged to take the AP exam in May. **The student will be responsible for obtaining the summer assignment from the school website.**

US History P 7253

Grade Level: 11

Prerequisite: **None**

Graduation: Fulfills 11th grade social science requirement

A-G: Meets "A" requirement

This is a required course which builds on the foundation of US History instruction given in 8th grade. The course is an in-depth study of United States History in the 20th century, beginning with the Progressive Era and ending at present times. Emphasis will be on reading, writing, thinking and speaking skills.



SOCIAL SCIENCE

AP US History 7255

Grade Level: 11

Prerequisite: **“C” or better in World History P or AP World History and completion of the AP contract.**

Graduation: Fulfills 11th grade social science requirement

A-G: Meets “A” requirement

Students may take this course instead of US History P to engage in a more rigorous course of study in preparation for college. The AP US History course focuses on the development of historical thinking skills (chronological reasoning, comparing and contextualizing, crafting historical arguments using historical evidence, and interpreting and synthesizing historical narrative) and an understanding of content learning objectives organized around seven themes, such as identity, peopling, and America in the world. In line with college and university US History survey courses' increased focus on early and recent American history and decreased emphasis on other areas, the AP US History course expands on the history of the Americas from 1491 to 1607 and from 1980 to the present. It also allows teachers flexibility across nine different periods of US History to teach topics of their choice in depth. Students enrolled in the course are encouraged to take the AP exam in May. **The student will be responsible for obtaining the summer assignment from the school website.**

American Government & Economics P 7391/7381*

Grade Level: 12

Prerequisite: **None**

Graduation: Fulfills 12th grade social science requirement

A-G: Meets “A” requirement

This course is a graduation requirement and must be taken in the 12th grade. The American Government portion of the course consists of one semester, which will focus on how national, state, and local governments are organized and function. The Economics semester is designed to develop and promote economic literacy and enhance student understanding of the economic problems and institutions of the nation and the world in which we live. Both courses will stress communications and thinking skills, as well as both individual and group work.

***Students will be scheduled in one semester of Economics and one semester of American Government.**

AP US Government and Politics 7383

Grade Level: 12

Prerequisite: **“C” or better in US History P or US History AP and completion of the AP contract.**

Graduation: Fulfills 12th grade social science requirement

A-G: Meets “A” requirement

Students may take this course instead of American Government & Economics P to engage in a more rigorous course of study in preparation for college. The AP United States Government and Politics course will give students an analytic perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret US Government and Politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute US Government and Politics. Students will become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes. Students enrolled in the course are encouraged to take the AP exam in May. This course satisfies the 12th grade social studies requirement. **The student will be responsible for obtaining the summer assignment from the school web site.**



SOCIAL SCIENCE ELECTIVES

Introduction to Psychology P 7340

Grade Level: 11, 12

Prerequisite: **None**

Graduation: Fulfills 10 elective credits

A-G: Meets "G" requirement

This is a general course designed to give students a broad overview of the different areas of Psychology. The central question the course will attempt to answer is "Why people behave the way they do?" Students will explore their own behavior and analyze themselves in terms of the curriculum. Students will take part in interactive lessons, cooperative assignments and class discussions. This class serves as a good base for students who plan to take AP Psychology and Psychology in college.

AP Psychology 7352

Grade Level: 11, 12

Prerequisite: **"C" or better in World History P/AP or US History P/AP and completion of the AP contract.**

Graduation: Fulfills 10 elective credits

A-G: Meets "G" requirement

The purpose of the AP course in Psychology is to introduce the systematic and scientific study of the behavior and mental processes of human beings and other animals. Included is a consideration of the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students also learn about the ethics and methods psychologists use in their science and practice. Students will take part in interactive lessons, cooperative assignments, document analysis, and class discussions. This class serves as a good base for students who plan to take Psychology in college. Students enrolled in the course are encouraged to take the AP exam in May. **The student will be responsible for obtaining the summer assignment from the school web site.**



VISUAL ARTS

Art & Design 1 P 6003

Grade Level: 9, 10, 11, 12

Prerequisite: **None**

Graduation: Fulfills 10 Fine Arts/elective credits

A-G: Meets "F" requirement

Art & Design 1 offers students the opportunity to explore the fundamentals of the elements of art through the development of their own original projects. This class will teach students basic drawing concepts, creative problem solving, and how to develop projects through research, analysis, and critique. Students will showcase their ability to communicate visually and learn how art and design is seen in our everyday world. Students will study art history, art related careers and experience various mediums to complete their projects in two or three dimension.

Multicultural Art & Design P 6025

Grade Level: 9, 10, 11, 12

Prerequisite: **None**

Graduation: Fulfills 10 Fine Arts/elective credits

A-G: Meets "F" requirement

Multicultural Art course will focus on the influence of diverse multicultural art styles of the world. This course will look at how art has influenced the world globally. In addition, students will have the opportunity to reflect on their own culture as well as look at similarities and differences of other cultures in the world. Students will experience projects in two and three dimension as well as, use technology for research and references for hands on multimedia projects. Elements of art and principles of design will be addressed in each unit as students explore our global society through visually art. Students will research historical and cultural influences on artists, cultures, in our ever changing international world.

Advanced Art & Design P 6008

Grade Level: 10, 11, 12

Prerequisite: **"C" or better in Art & Design P or Multicultural Art & Design P.**

Graduation: Fulfills 10 Fine Arts/elective credits

A-G: Meets "F" requirement

Advanced Art & Design is for the student who has successfully completed Art & Design 1. This course expands and builds on knowledge and skills acquired in Art & Design 1 and further explore composition through the elements and principles of design. Students will have the opportunity to experience various mediums through more extensive projects. Art history and career exploration will be part of the process to making connections to the creative process. Students will learn to critique artwork and continue to develop various ways to communicate visually.



VISUAL ARTS

AP Drawing 6020

Grade Level: 11, 12

Prerequisite: **Recommended two years of art prior to taking this course and completion of the AP contract.**

Graduation: Fulfills 10 Fine Arts/elective credits

A-G: Meets "F" requirement

Advanced Placement Art & Design is a college level art course for serious art students. Each student prepares a portfolio of work to submit for the College Board AP Exam. Success on the AP Art & Design examination can enable students to earn college credits and placement in college programs. The exam demands that a student create up to 20 works of art showing competency in a range of materials within a specific portfolio (2-D, 3-D, or Drawing) along with written explanation. The workload requires projects to be done both in and out of class. Students must exhibit a high level of self-motivation and maintain a strong work ethic during every class period throughout the course of the year. Students accepted can find the summer assignment on the school website. **See teacher for application.**

Digital Photography 1 P 6048

Grade Level: 9, 10, 11, 12

Prerequisite: **None**

Graduation: Fulfills 10 Fine Arts/elective credits

A-G: Meets "F" requirement

Digital Photography is a yearlong introduction to the digital camera, covering basic concepts and practices of digital photography. This will include understanding and use of the camera, lenses, and other basic photographic equipment. Digital Photography will address aesthetic principles as they relate to composition, space, exposure, light and color. Students will learn photo techniques and apply the basic elements of art and the principles of design to their projects. In addition, this course will also provide students with opportunities to extend their knowledge and skills in the field of photography and the use of Adobe Photoshop. Digital Photography will familiarize the student with digital photographic equipment, materials, methods, and processes.



VISUAL ARTS

Graphic Arts 1 P 6030

Grade Level: 9, 10, 11, 12

Prerequisite: **None**

Graduation: Fulfills 10 Fine Arts/elective credits

A-G: Meets "F" requirement

This class is an introduction to Graphics Arts. Students will learn basic design skills using the Adobe Illustrator and Photoshop. They will build on their knowledge of design elements, principles, and art history from Art 1. Some projects may include, but are not limited to: character design, logo design, package design and advertising while learning to use design industry-standard software. Students must have basic drawing skills.

Advanced Graphic Arts P 6136

Grade Level: 10, 11, 12

Prerequisite: **"C" or better in Graphic Arts 1 P.**

Graduation: Fulfills 10 Fine Arts/elective credits

A-G: Meets "F" requirement

This class is a follow up to Graphic Arts 1. Students will improve skills and techniques learned in Graphic Arts 1. Some examples of Adv. Graphic projects may include, but are not limited to poster design, public service projects, and an introduction to digital photography. Students will have an opportunity to collaborate with clients, work in student design teams and plan projects with professionals in related fields. Students will learn how to create published work such as magazines, books and newspapers with InDesign publishing program.

Introduction to Animation P 6036

Grade Level: 9, 10, 11, 12

Prerequisite: **None**

Graduation: Fulfills 10 Fine Arts/elective credits

A-G: Meets "F" requirement

This class is an introduction to Animation. This competency-based course prepares students to design and execute animated pieces using digital electronic media. It is an introductory course that addresses both the fundamentals as well as the advanced aspects of animation including basic terminology, technology, principals and processes. Instructional strategies include: basic and advanced theory and practice through classroom and lab experiences.



PERFORMING ARTS

Drama P 6042

Grade Level: 9, 10, 11, 12

Prerequisite: **None**

Graduation: Fulfills 10 Fine Arts/elective credits

A-G: Meets "F" requirement

This course is designed to give the students a survey of theater. Emphasis is placed on developing basic acting and improvisation skills, as well as playwriting and performance critiques. Tech theatre, theatre history and musical theatre; units include creative dramatics, monologue, group acting, Shakespeare, spoken word, lip sync, pantomime and scene work.

Advanced Drama P 6053

Grade Level: 10, 11, 12

Prerequisite: **"C" or better in Drama P.**

Graduation: Fulfills 10 Fine Arts/elective credits

A-G: Meets "F" requirement

Advanced Drama will expand on the experiences from Intro to Drama. Students will further their knowledge in acting, directing and theatre productions. This class will require the student to do a research assignment including acting and directing, set design, lighting design, costume design, and stage management. Students will work on Jaguar Theatre Productions. Missed shows will affect your grade.

Tech Theatre P 3064

Grade Level: 10, 11, 12

Prerequisite: **"C" or better in Drama.**

Graduation: Fulfills 10 Fine Arts/elective credits

A-G: Meets "F" requirement

This course will introduce students to technical works. Students enrolled will be exposed to technical elements of theatre. Students will design and create artistic elements seen in the productions which include sets, costumes, make-up, lights, sounds and props. Students work will be showcased formally in school productions throughout the year. Missed shows will affect your grade.



MUSIC

Beginning Choir P 6153

Grade Level: 9, 10, 11, 12

Prerequisite: **None**

Graduation: Fulfills 10 Fine Arts/elective credits

A-G: Meets "F" requirement

Beginning Choir students will develop proper individual vocal and ensemble singing techniques. Students can join this class having no prior singing experience and will perform music of varied styles/periods as well as gain an understanding of basic musical notation. Singers will be required to attend a few after school and/or evening activities (performances and rehearsals). Students can receive credit for 1 (one) year in this class.

Concert Choir P 6143

Grade Level: 10, 11, 12

Prerequisite: **Current choir teacher signature.**

Graduation: Fulfills 10 Fine Arts/elective credit

A-G: Meets "F" requirement

Concert Choir is a course for students who have previous signing experience and wish to continue to develop proper voice technique as individuals and within ensembles. The entire year focuses on performance styles, proper concert dress attire, and an advanced level of artistry. Intermediate and advanced musical notation is also included in this course. Participation in scheduled after school and evening performances and rehearsals are required for this course. Concert Choir may be repeated for credit.

Kimball Classics P 6155

Grade Level: 10, 11, 12

Prerequisite: **Current choir teacher signature.**

Graduation: Fulfills 10 Fine Arts/elective credit

A-G: Meets "F" requirement

Advanced Choir students will be expected to have had singing experience and will continue to develop proper individual vocal and ensemble techniques. Student will continue to perform music of varied styles and periods while focusing on "performance" styles and an advanced level of artistry. They will also gain an understanding of basic to advanced musical notation. This course requires students to attend a few after school and evening activities (performances and rehearsals) and wear proper choir attire. Student can receive credit for four years in this class. Auditions for this group are held in May to allow time for placement and class formation



MUSIC

Concert Band P 6090

Grade Level: 9, 10, 11, 12

Prerequisite: **Current music teacher signature.**

Graduation: Fulfills 10 Fine Arts/elective credits

A-G: Meets "F" requirement

This band will be mainly comprised of freshmen or first-year players. The class will have the components of marching band, pep-band and concert band, intended for students of Woodwind, Brass, and Percussion instruments. Students will play music of varying styles and time periods. Throughout the year, students will be expected to attend co-curricular performances/rehearsals outside of school. Instrumental and musical fundamentals will be reviewed.

Symphonic Band P 6093

Grade Level: 9, 10, 11, 12

Prerequisite: **Current music teacher signature.**

Graduation: Fulfills 10 Fine Arts/elective credits

A-G: Meets "F" requirement

Symphonic Band will have the components of advanced concert wind band performance, as well as elements of marching Band and Pep Band. Students will play music of varying styles and time periods. In addition to skill development, emphasis is placed on a high standard of musical excellence in the preparation and performance of band literature. Throughout the year, students will be expected to attend co-curricular performances/rehearsals outside of school, including home varsity football games, performance festivals, and parades. Instrumental and musical fundamentals will be reviewed. This course may be repeated for credit.

Marching Band/PE P 9009

Grade Level: 9, 10, 11, 12

Prerequisite: **Current music teacher signature.**

Graduation: Fulfills 10 Fine Arts/elective credits

A-G: Meets "F" requirement

Marching Band PE is a course designed for sophomores that satisfies the physical education requirement for one of four semesters required for graduation. In order for a student to receive credit for a full year of PE, they must first satisfy the prerequisites listed below. A student must successfully complete two marching band seasons (fall semesters) during the sophomore and junior years.

The Marching Band is a competitive field show group consisting of musicians (wind and percussion instruments) along with a group of students that make up the color guard. They rehearse 7-12 hours a week after school and on Saturdays. They also compete in at least four major competitions during the fall semester.

Students enrolled in Fall Semester marching Band will receive 5 PE credits. Students will automatically be enrolled in Symphonic Band (same period) for Spring Semester.



MUSIC

Orchestra P 6103

Grade Level: 9, 10, 11, 12

Prerequisite: **One year experience with instrument and teacher's signature.**

Graduation: Fulfills 10 Fine Arts/elective credits

A-G Meets "F" requirement

This course provides opportunities for students to develop their musical potential and aesthetic understanding through learning to play orchestral string instruments. Student will learn techniques, performance practice, and historical background of various types of orchestral music. Students will strengthen listening skills and their ability to analyze and evaluate music and music performances. Attention will also be given to relating their music experiences to the time and culture of the pieces they study, as well as to contemporary society. Students will be required to attend after school and evening performances, which may include concerts, festival performances, and musical theatre productions alongside the drama teacher. This course may be repeated for credit.

Jazz Band P 6113

Grade Level: 9, 10, 11, 12

Prerequisite: **1 year minimum of prior experience on the instrument and passing of a basic skills audition.**

Graduation: Fulfills 10 Fine Arts/Elective credits.

A-G: Meets the "F" requirement.

Jazz Band is a performance ensemble with the components of Jazz improvisation. Students will play music of varying styles and time periods, including Blues, Swing, Bebop, Brazilian Jazz, and Afro-Cuban Jazz. In addition to skill development, emphasis is placed on improvisational skills and a high standard of musical excellence in the preparation and performance of Jazz literature. Throughout the year, students will be expected to attend co-curricular performances/rehearsals outside of school. Instrumental and musical fundamentals will be reviewed.



WORLD LANGUAGE

FRENCH

French 1 P 4013

Grade Level: 9, 10, 11, 12

Prerequisite: **“C” or better in English.**

Graduation: Fulfills 10 elective credits

A-G: Meets “E” requirement

French 1 is an academic, college preparatory class. Students are not required to take a language to meet high school graduation requirements. The first year course stresses communication and interpersonal relationships in meaningful cultural contexts. Students will learn to speak about themselves, their families, and their preferences. They will be given frequent opportunities to express themselves in a variety of ways. Students will read simple passages in the target language. Strong study skills, self-discipline and daily attendance are necessary. Students should expect to be

assigned homework on a daily basis. ***This class will be taught mostly in the target language.***

French 2 P 4123

Grade Level: 10, 11, 12

Prerequisite: **“C” or better in French 1.**

Graduation: Fulfills 10 elective credits

A-G: Meets “E” requirement

Upon entering this class, a student must be able to comprehend and accurately utilize material covered in French 1. Students will continue to learn how to communicate in the target language. Students will learn to communicate about past events, as well as their future plans. As their vocabulary skills grow, they will apply them in a variety of conversational and cultural situations. A student should be able to comprehend short readings in the target language. Oral and written skills will be expanded. Strong study skills, self-discipline and daily attendance are necessary. Students should expect to be assigned daily homework. ***The class will be taught in the target language.***

French 3 P 4230

Grade Level: 10, 11, 12

Prerequisite: **“C” or better in French 2.**

Graduation: Fulfills 10 elective credits

A-G: Meets “E” requirement

A student entering this class must thoroughly understand and utilize the material covered in French 2. Students will continue practicing the material learned the previous two years. The will learn more

sophisticated language skills and be able to communicate about global issues: the environment, the arts, technology and more. The cultures of the target language will continue to be explored. Students will also begin writing short essays. ***The class will be taught in the target language.*** Home work will be assigned every time the class meets. Strong study skills, self-discipline and regular attendance are required.



WORLD LANGUAGE

AP French Language 4 4345

Grade Level: 11, 12

Prerequisite: **“C” or better in French 3. Requires completion of the AP contract.**

Graduation: Fulfills 10 elective credits

A-G: Meets “E” requirement

This is an advanced college level course in language preparation for the Advanced Placement exam. Students will expand their knowledge of grammar, read short stories and articles with ease and understanding, converse with considerable fluency and write with correctness and clarity on topics of non-technical nature in order to be successful in the class. Responsibility and daily attendance are essential. ***No English will be used in this class.***

SPANISH

Spanish 1 P 4033

Grade Level: 9, 10, 11, 12

Prerequisite: **“C” or better in English.**

Graduation: Fulfills 10 elective credits

A-G: Meets “E” requirement

Spanish 1 is an academic, college preparatory class and one of two alternatives (Fine Arts is the other alternative) to meet high school graduation requirements. The first year course stresses communication and interpersonal relationships in meaningful cultural contexts. Students will learn to speak about themselves, their families, and their preferences. They will be given frequent opportunities to express themselves in a variety of ways. Students will read simple passages in the target language. Strong study skills, self-discipline and daily attendance are necessary. Students should expect to be assigned homework on a daily basis. ***The class will be taught mostly in the target language.***

Spanish 2 P 4153

Grade Level: 9, 10, 11, 12

Prerequisite: **“C” or better in Spanish 1.**

Graduation: Fulfills 10 elective credits

A-G: Meets “E” requirement

Upon entering this class, a student must be able to comprehend and accurately utilize material covered in level 1. Students will continue to learn how to communicate in the target language. Students will learn to communicate about past events, as well as their future plans. As their vocabulary skills grow, they will apply them in a variety of conversational and cultural situations. A student should be able to comprehend short readings in the target language. Oral and written skills will be expanded. Strong study skills, self-discipline and daily attendance are necessary. Students should expect to be assigned daily homework. ***The class will be taught in the target language.***



WORLD LANGUAGE

Spanish for Heritage Speakers P 4053

Grade Level: 9, 10, 11, 12

Prerequisite: **Speak Spanish, “C” or better in English.**

Graduation: Fulfills 10 elective credits

A-G: Meets “E” requirement

This course is designed for students who speak Spanish at home but need to learn or improve how to write and read it. Students will learn the difference between standard Spanish and regional Spanish. Students will also learn to differentiate formal and informal register. This course will provide a basic introduction to grammar, oral development, basic writing and reading skills. Students will learn the culture and history of selected Spanish speaking countries and will be introduced to selected Hispanic literary works. Students should expect to be assigned homework on a daily basis.

Students will continue to learn the difference between standard Spanish and regional Spanish. Students will further differentiate formal and informal registers. This course will provide instruction in grammar, oral development, basic writing and reading skills. Students will learn the culture and history of selected Spanish speaking countries and will focus on selected Hispanic literary works. Strong study skills, self-discipline and daily attendance are necessary. Students should expect to be assigned daily homework.

Este curso está diseñado para los estudiantes que hablan español en casa, pero necesitan aprender o mejorar a escribirlo y leerlo. Los estudiantes aprenderán la diferencia entre español estándar y regional. Los estudiantes también aprenderán la diferencia entre el registro formal e informal. Este curso proporcionará una introducción básica a la gramática, desarrollo oral, y habilidades básicas de escritura y lectura. Los estudiantes aprenderán la cultura y la historia de países selectos de habla español y serán presentados con trabajos literarios selectos del mundo hispano.

Los estudiantes seguirán aprendiendo la diferencia entre el español estándar y regional. Los estudiantes también aprenderán la diferencia entre el registro formal e informal. Este curso proporcionará instrucción en gramática, desarrollo oral, y habilidades básicas de escritura y lectura. Los estudiantes aprenderán la cultura y la historia de países selectos de habla español y se concentrarán en trabajos literarios del mundo hispano.



WORLD LANGUAGE

Spanish 3 P 4270

Grade Level: 10, 11, 12

Prerequisite: **“C” or better in Spanish 2.**

Graduation: Fulfills 10 elective credits

A-G: Meets “E” requirement

A student entering this class must thoroughly understand and utilize the material covered in Spanish 2. Students will continue practicing the material learned the previous two years. They will learn more sophisticated language skills and be able to communicate about global issues: the environment, the arts, technology and more. The cultures of the target language will continue to be explored. Students will also begin writing short essays. ***The class will be taught in the target language.*** Home work will be assigned every time the class meets. Strong study skills, self-discipline and regular attendance are required.

AP Spanish Language 4 4385

Grade Level: 11, 12

Prerequisite: **“C” or better in Spanish 3. Requires completion of the AP contract.**

Graduation: Fulfills 10 elective credits

A-G: Meets “E” requirement

The purpose of this course is to prepare students to take the AP Spanish Language Exam. This is a national exam given at the beginning of May. If students pass with a score of 3 or better, students may obtain college credit for the course (please check your universities of choice on their AP credit acceptance policies). This course is for students who want to develop proficiency and integrate their language skills, using authentic materials and sources. The AP Spanish course helps prepare students to demonstrate their level of Spanish proficiency across three communicative modes: interpersonal, interactive communication and productive communication. This course is comparable to a third year college/university course. Daily attendance is imperative in order to succeed. This is not an off-site course and lessons will not be replicated. Students should expect to be assigned daily homework. Students entering this class are expected to complete a summer assignment prior to the beginning of the academic year which is due the first week of school.



SPECIAL EDUCATION

Academic Support 8308

Grade Level: 9, 10, 11, 12

Prerequisite: **Case Manager signature.**

Graduation: Fulfills 10 elective credits

A-G: No

This elective course is designed to assist students enrolled in general education classes. Students will learn study skills and strategies to enhance their performance in content area classes. This independently paced course will also emphasize writing and organizational skills. Students will also have the opportunity to complete class work homework or projects with support from a teacher and/or Para-educator as needed. Not recommended for students enrolled in two or more MM level courses.

Vocational Ed Skills 8229

Grade Level: 9, 10, 11, 12

Prerequisite: **Case Manager signature.**

Graduation: Fulfills 10 Elective credits.

A-G: No

This elective course will teach students to make choices that benefit a healthy lifestyle. Students will learn positive communication skills and making their needs known (self-advocacy). Post-secondary independence skills and training will be addressed, as well as basic daily skills, such as cooking. This course will also incorporate community-based services on our campus. This course is designed for students working towards graduation with a certificate of completion.



SPED / ENGLISH

English MM (grades 9 & 10) 8286

English MM (grades 11 & 12) 8287

Grade Level: 9, 10, 11, 12

Prerequisite: **Case Manager signature.**

Graduation: Fulfills 10 English credits

A-G: No

This course focuses on essential standards in order to increase skills in language arts, including composition, grammar, reading, and speaking. Reading analysis and the writing process will be emphasized. Each student will be working towards graduation with a high school diploma.



SPED / MATH

Math MM 8297

Grade Level: 9, 10, 11, 12

Prerequisite: **Case Manager signature.**

Graduation: Fulfills 10 math credits

A-G: No

This course is designed to support students in preparing to take Algebra I. This course emphasis essential standards in Pre-Algebra skills and basic math skills, including foundational skills, student discourse, visual representations, and relational understandings. Students enrolled in this course are on track for graduation with a high school diploma.

Algebra MM 8298

Grade Level: 9, 10, 11, 12

Prerequisite: **Case Manager signature.**

Graduation: Fulfills 10 math credits

A-G: No

This course is designed to provide for a full year of fundamentals/essential standards in Algebra. Topics covered include, integers, expressions, equations, inequalities, functions, sequences, linear equations, linear inequalities, systems, statistics, polynomials, quadratics, and exponential functions. Students enrolled in this course are on track for graduation with a high school diploma.



SPED / SCIENCE

Biology MM 8288

Grade Level: 9, 10, 11, 12
Prerequisite: **Case Manager signature.**
Graduation: Fulfills 10 science credits
A-G: No

Biology is the natural science that involves the study of life and living organisms, including their physical and chemical structure, function, development and evolution. This course gives students a good foundation in the essential standards of Biology with related Earth Science phenomena and Engineering applications. This is one of three science courses that are required for high school graduation. Students enrolled in this course are on track for graduation with a high school diploma.

Chemistry MM 8311

Grade Level: 9, 10, 11, 12
Prerequisite: **Case Manager signature.**
Graduation: Fulfills 10 science credits
A-G: No

This course gives students a good foundation in the essential standards of Chemistry with related Earth Science phenomena and Engineering applications. This is one of three science courses that are required for high school graduation. Students enrolled in this course are on track for graduation with a high school diploma.

Physics MM 8312

Grade Level: 9, 10, 11, 12
Prerequisite: **Case Manager signature.**
Graduation: Fulfills 10 science credits
A-G: No

Physics is the study of matter and energy and the interaction between them. Physics is about asking fundamental questions about the world around us, and trying to answer them by observing and experimenting. This course gives students a good foundation in the essential standards of Physics with related Earth Science phenomena and Engineering applications. This is one of three science courses that are required for high school graduation. Students enrolled in this course are on track for graduation with a high school diploma.



SPED / SOCIAL SCIENCE

World History MM 8295

Grade Level: 10, 11, 12

Prerequisite: **Case Manager signature.**

Graduation: Fulfills 10 social science credits

A-G: No

This course is designed to build on the foundation of World History instruction given in middle school (6th and 7th grades). This course examines major events in World History from ancient civilizations through modern times. Emphasis will be on essential World History standards, reading, writing, thinking and speaking skills, computer and library research, by using both individual and group work. Students enrolled in this course are on track for graduation with a high school diploma.

US History MM 8293

Grade Level: 11, 12

Prerequisite: **Case Manager signature.**

Graduation: Fulfills 10 social science credits

A-G: No

This course is designed to build on the foundation of US History instruction given in middle school (8th grade). This course will explore major events in US History from the earliest American cultures to the present day. Emphasis will be on essential US History standards, reading, writing, thinking and speaking skills, using both individual and group work. Students enrolled in this course are on track for graduation with a high school diploma.

American Government/Economics MM 8296

Grade Level: 11, 12

Prerequisite: **Case Manager signature.**

Graduation: Fulfills 10 social science credits

A-G: No

The American Government portion of the course consists of one semester, which will focus on how national, state, and local governments are organized and function. The economics semester is designed to develop and promote economic literacy and enhance student understanding of the economic problems and institutions of the nation and the world in which we live. Both courses stress essential standards, communication and thinking skills, as well as individual and group work. Students enrolled in this course are on track for graduation with a high school diploma.



SPED / SKILLS

English Skills 8224

Grade Level: 9, 10, 11, 12
Prerequisite: **Case Manager signature.**
Graduation: Certificate of Completion
A-G: No

This course is designed to increase the student's basic understanding of reading, oral and written language, and spelling skills. Each student will be working towards high school graduation with a certificate of completion.

Math Skills 8225

Grade Level: 9, 10, 11, 12
Prerequisite: **Case Manager signature.**
Graduation: Certificate of Completion
A-G: No

This course will address basic life and consumer math skills. Mathematical operations with whole numbers, decimals, and fractions will be covered in areas which may include, consumer education, daily living skills, measurement, and personal finances. Each student will be working towards high school graduation with a certificate of completion.

Science Skills 8226

Grade Level: 9, 10, 11, 12
Prerequisite: **Case Manager signature.**
Graduation: Certificate of Completion
A-G: No

This course is designed to increase the student's understanding of concepts in life and physical sciences. The curriculum will cover the life cycles of plants and animals, the human body systems, and genetics. Physical Science will explore concepts dealing with energy, mass, and matter. The curriculum is skills based and will give the students an opportunity to gain scientific process skills such as observing, collecting and organizing data, measuring, classifying, hypothesizing, and predicting. These skills will be explored through collaborative groups, independent work, projects, labs, and class discussions. Each student will be working towards high school graduation with a certificate of completion.

History Skills 8228

Grade Level: 9, 10, 11, 12
Prerequisite: **Case Manager signature.**
Graduation: Certificate of Completion
A-G: No

This course is designed to build on the foundation of social science instruction given in middle school. This course will examine major historical events in both the United States and the world. Emphasis will be on reading, writing, thinking, and speaking skills, and research by using both individual and group work. Each student will be working towards high school graduation with a certificate of completion.



MEDICAL & HEALTH SERVICES ACADEMY





9th	10th	11th	12th
English 1 MHSA or ADV Eng 1 MHSA	English 2 MHSA or ADV Eng 2 MHSA	English 3 MHSA/	English 4 MHSA/
Math	Math	(Math)	(Math)
Enhanced Biology MHSA	Enhanced Chemistry MHSA	Physics CP, Enhanced, or AP	Human Physiology, AP Bio, AP Chem, or AP Phys
PE	MHSA PE	Medical Terminology	Elective
Health Concepts	World History CP or AP	US History CP or AP	Gov't / Econ CP or AP
Art or World Lang	Art/ 2nd Year World Language	Art/ 3rd Year World Language	Suggested Electives Listed Below

The course sequence below depicts a typical student taking six courses each semester.

Please note that this is not a reflection of any specific program offered.

To meet A-G requirements you must earn a "C" or better.

9th grade / Freshman

English 1/ADV MHSA
Math (Algebra 1 or higher)
Enhanced Bio MHSA
Health Concepts
PE
French 1/Spanish 1

11th grade / Junior

English 3 MHSA/ AP Lang
Physics (CP, ENH, or AP)
US History CP or AP
Medical Terminology
Elective
Elective

10th grade / Sophomore

English 2/ADV MHSA
Math (Geometry or higher)
Enhanced Chem MHSA
World History CP or AP
MHSA PE
French 2/Spanish 2

12th grade / Senior

English 4 MHSA/ AP Lit
Government/Economics
Psychology CP/AP
Sports Medicine
Cons Home Economics
Speech & Debate



MHSA / ENGLISH

English 1 P Medical Health Services Academy 1006

Grade Level: 9

Prerequisite: **Completed application submitted and if required, admitted via lottery selection.**

Graduation: Fulfills the first year of the four year English requirement

A-G: Meets "B" requirement

This class is limited to students enrolled in the Medical and Health Services Academy. This course will include orientation and instruction in college preparatory language art skills including composition, grammar, reading, and speaking. Reading analysis and the writing process will be emphasized. This course is Common Core based and will provide the necessary skills for more advanced work. Student will be working in cooperation with other Medical and Health Services Academy classes emphasizing cross-curricular units, activities, and projects with a shared theme. Students should expect homework 3-4 nights per week. Homework policy follows the guidelines adopted by the school board (Board Policy 6154) and is in the school's handbook.

English 1 P Advanced Medical Health Services Academy 1016

Grade Level: 9

Prerequisite: **"B" or better in 8th Grade English and current English teacher signature.**

Completed application submitted and if required, admitted via lottery selection.

Graduation: Fulfills the first year of the four year English requirement

A-G: Meets "B" requirement

This class is limited to students enrolled in the Medical and Health Services Academy. Students must also meet proficiency criteria for enrollment. Advanced students will develop critical reading and writing skills in preparation for more advanced work. Students in this course will learn SAT vocabulary. They will write daily and be responsible for reading 500 pages for SSR each semester. A summer assignment will be required prior to starting this class. Student will be working in cooperation with other Medical and Health Services Academy classes emphasizing cross-curricular units, activities, and projects with a shared theme. Students should expect homework daily. Homework policy follows the guidelines adopted by the school board (Board Policy 6154) and is in the school's handbook.

English 2 P Medical Health Service Academy 1135

Grade Level: 10

Prerequisite: **None**

Graduation: Fulfills the second year of the four year English requirement

A-G: Meets "B" requirement

This college preparatory course offers further development of the language arts skills previously practiced. Vocabulary, grammar, reading, writing, and speaking skills are further refined and integrated in a Common Core based program. Students are required to read and respond critically to different literary genres. Students should expect homework 3-4 nights per week. Homework policy follows the guidelines adopted by the school board (Board Policy 6154) and is in the school's handbook.



English 2 P Advanced Medical Health Services Academy 1155

Grade Level: 10

Prerequisite: **“C” or better in current English class.**

Graduation: Fulfills the second year of the four year English requirement

A-G: Meets “B” requirement

This class is limited to students enrolled in the Medical and Health Services Academy. This course will cover the same core material from English 2, but is for students intending to enroll in Advanced Placement English in 11th and 12th grade. It is a fast-paced, challenging course that will develop and refine reading and writing skills. Student will be working in cooperation with other Medical and Health Services Academy classes emphasizing cross-curricular units, activities, and projects with a shared theme. Students should expect homework daily. Homework policy follows the guidelines adopted by the school board (Board Policy 6154) and is in the school's handbook.

English 3 P Medical Health Services Academy 1265

Grade Level: 11

Prerequisite: **None**

Graduation: Fulfills the third year of the four year English requirement

A-G: Meets “B” requirement

This college preparatory class builds and expands on skills taught in English 1 and 2. The curriculum is Common Core based. Students will respond critically to core literature through writing, listening, and speaking. The writing process is emphasized as performance expectations increase. Students should expect homework daily. Homework policy follows the guidelines adopted by the school board (Board Policy 6154) and is in the school's handbook.

English 4 P Medical Health Services Academy 1392

Grade Level: 12

Prerequisite: **None**

Graduation: Fulfills the fourth year of the four year English requirement

A-G: Meets “B” requirement

This class is limited to students enrolled in the Medical and Health Services Academy. This college prep class builds and expands on skills taught in previous English classes. Students will study literature and continue to develop grammar and vocabulary skills in a Common Core based program. Critical analysis, thoughtful discussion, and writing are emphasized. Students should expect homework daily. Homework policy follows the guidelines adopted by the school board (Board Policy 6154) and is in the school's handbook..



MHSA / SCIENCE

Enhanced Biology P Medical Health Services Academy 3164

Grade Level: 9

Prerequisite: **“B” or better in 8th grade Science and current Science signature teacher.**

Graduation: Fulfills Life Science credits

A-G: Meets “D” requirement

This course is limited to students who are currently enrolled in the Medical and Health Services Academy. Pre-AP Biology is a more challenging lab-based course than general Biology. This course is similar in content to general biology but will require more intense mastery of subject matter, and more academic demands will be placed upon the student. This course is also designed to prepare students for Advanced Biology AP. In addition, students will be expected to work in cooperation with other Medical and Health Services Academy course emphasizing cross-curricular units, activities and projects within the medial and health services context.

Enhanced Chemistry P Medical Health Services Academy 3372

Grade Level: 10, 11, 12

Prerequisite: **“C” or better in Biology P and Algebra 1 P or higher level math.**

Graduation: Fulfills 10 Physical Science credits

A-G: Meets “D” requirement

This course is limited to students who are currently enrolled in the Medical and Health Services Academy. Chemistry Honors explores similar content as Chemistry CP but at a more in depth level. Chemistry Honors is designed for students who excel in math and science and are interested in continuing their science education. Students' skills and motivation must be strong since chemistry concepts are covered at an accelerated pace. In addition, students will be expected to work in cooperation with other Medical and Health Services Academy course emphasizing cross-curricular units, activities and projects within the medial and health services context.



MHSA / ELECTIVES

Health Concepts 3440

Grade Level: 9

Prerequisite: **None**

Graduation: Fulfills 10 Elective credits

UC/CSU: No

This Survey course will introduce the medical sciences in the context of medical and health professions. Students will cover topics such as human biology, medical microbiology, pathology, nutrition and wellness, and medical ethics. As students learn about these topics they will be learning about the various professions within that topic, the formal medical terminology associated with the topic as well as the science related to the topic. Students will be expected to participate in interdisciplinary lessons and projects within the Medical and Health Services Academy.

Medical Terminology 3410

Grade Level: 9, 10, 11, 12

Prerequisite: **None**

Graduation: Fulfills 10 Elective credits.

A-G: No

This year-long course emphasizes on terminology associated with medicine, anatomy, diseases, instruments, and diagnostic and therapeutic techniques used in the medical fields by learning word parts or word roots such as prefixes, combining forms, and suffixes which is organized by body systems such as muscular, digestive, and cardiovascular, etc. It is also beneficial to students in mastering of science vocabulary in other courses such as biology, chemistry, human physiology/ anatomy and physics.



MHSA / ELECTIVES

MHSA Medical PE 9103

Grade Level: 10

Prerequisite: **None**

Graduation: Fulfills 10 Physical Education credits

A-G: No

This class is limited to students enrolled in the Medical and Health Science Academy. This is a varied activity course, which meets the 2nd year of the PE requirement for graduation and the year-2 MHSA elective requirements. Units are broken down into 3-week units. Activities will be composed of dual, individual, team, and lifetime sports. The medical academy components would include but not limited to topics such as nutrition, wellness, physical exercise impact on chronic disease, target HR training, fitness goal setting, and other related health concepts. Students would be required to report on topics discussed in class. The high school site Physical Education uniform (shirt/shorts) and athletic shoes are required.