



Archbishop Edward A. McCarthy High School

ATMOSPHERE

ACADEMICS

ACTIVITIES

ARTS

ATHLETICS

**The Roman Catholic College
Preparatory School of the Future**

www.mccarthyhigh.org

General Information

Note: All information in this book is subject to change based upon state and county directives. Close and continuous communication with school officials is imperative.

Registration Procedure for Students Currently Enrolled at Archbishop McCarthy

- 1) Using this guide or the course descriptions on Plus Portals, a digital course selection platform, students plan their courses for the following school year.
- 2) Students complete the four-year planning sheet included in this guide, making sure that they are in the proper grade level for the course they wish to take and that they have taken the prerequisites for the course.
- 3) Parents / guardians receive a re-registration email from the school.
- 4) Students receive their transcript and a Plus Portals digital course selection link.
- 5) Students submit their Plus Portals digital course selection form. They have the option of meeting with their counselor to review their course selections on the assigned meeting dates.
- 6) Once the parent pays the registration fee, sets up a FACTS agreement, completes the student information form, and, if applicable, makes any necessary AP exam fee payments, the counselor finalizes the course request from the student.

It is the student's responsibility to be aware of his / her credit status and to select an appropriate course sequence leading to graduation. The minimum requirements for high school graduation **do not** fulfill the minimum requirements for admission to all colleges. Students who receive an F at the end of a semester are required to remediate in spring and / or summer school. Students who receive a D are also strongly advised to remediate the course.

Graduation Requirements

In addition to the credits listed below, students are required to maintain a minimum 2.0 Career Grade Point Average.

Theology:	4 credits	Social Studies:	3 credits
		(World History, U.S. History, and Government and Economics are required for all students.)	
English:	4 credits	World Languages:	2 credits
Mathematics:	4 credits	(Courses must be in the same language.)	
(Algebra I, Geometry, & Algebra II are required for all students.)		Physical Education:	1 credit
Science:	3 credits	Required: Health / Life Management	
(Biology is required for all students; two science courses must have lab components; and either Chemistry or Physics is strongly recommended.)		Practical / Fine Arts	1 credit
		Electives:	2 credits

Course Schedule Changes

Place note the following about schedule changes:

- Placement in courses for the following school year is based upon the grades that students earn in the previous semester.
- After completing re-registration and course selection, students will receive a preliminary course list before the end of the school year. Students then have a one-week period to check the course list and meet with their counselor to determine if any schedule changes are needed.
- Requests for course changes are not accepted once the master schedule has been created.
- In those rare instances in which a student is granted a class change after the deadline, there will be a fee of \$100 to be collected after the appropriate schedule change form has been completed by the guidance counselor.
- In some cases, requests for schedule changes cannot be granted due to conflicts with other courses.

Criteria for Placement in Advanced Placement, Dual Enrollment, and Honors Courses

Advanced Placement Courses

To be eligible for enrollment in an Advanced Placement (AP) course, the following criteria must be met:

- Students must have a minimum overall GPA of 3.5.
- Students enrolled in an AP course must earn a semester grade no lower than a B (80 or higher) in that course to remain in that department's AP-level track in the following year.
- Students in an honors-level course must earn a semester grade no lower than an A (90 or above) to move up to that department's AP-level course in the following year.

College Dual Enrollment Classes

Dual enrollment courses for credit through St. Thomas University are offered on campus. Students must have at least a 3.0 GPA to register for a dual enrollment course, for which they may earn college credit. Payment for dual enrollment courses is due at the beginning of the school year or semester.

Course Credit Policies

- All students take six classes each semester. Credit for all classes is awarded by semester (.5 credits).
- A student will not be promoted to the next grade unless all previous credits have been earned.

Grade Point Average (GPA)

Every grade is assigned a specific number of quality points, depending upon the level of the course. There are two types of GPA: simple and weighted. The simple GPA is used to determine athletic eligibility and does not include the points that are added to grades earned in honors, dual enrollment, or AP courses; grades earned in these courses carry additional weight that can raise a student’s GPA. Such courses are noted in this guide with asterisks.

GPA Quality Points

	Simple	AMHS	Honors (**)	AP/DE (***)
97-100	4	4.5	5.5	6.5
94-96	4	4.25	5.25	6.25
90-93	4	4.0	5.0	6.0
87-89	3	3.5	4.5	5.5
84-86	3	3.25	4.25	5.25
80-83	3	3.0	4.0	5.0
77-79	2	2.5	3.5	4.5
74-76	2	2.25	3.25	4.25
70-73	2	2.0	3.0	4.0
67-69	1	1.5	2.5	3.5
64-66	1	1.25	2.25	3.25
60-63	1	1.0	2.0	3.0
0-59	0	0	0	0
S	4	4.25	5.25	6.25

Honor Roll Criteria
Honors are awarded on a quarterly basis.
Principal’s Honor Roll : As in all subjects
First Honors : An overall GPA of 3.5 with no grade below a B
Second Honors : An overall GPA of 3.0 with no grade below a C

Semester Failures and Spring / Summer School Programs

Archbishop McCarthy awards course credit by semester; therefore, a student who fails a semester in any course is required to remediate that course immediately. Remediation classes are offered in both Spring and Summer sessions. Students needing to remediate a failure must consult their counselors in the Guidance Office.

College Planning

It is the expectation of Archbishop McCarthy High School that all students plan to attend college after graduating. Preparing for college begins when students first enroll in Archbishop McCarthy. Because colleges and universities vary in their entrance requirements, students should familiarize themselves with the requirements of those colleges and universities to which they plan to apply and select their high school courses accordingly. Archbishop McCarthy strongly recommends that students choose challenging courses commensurate with their ability, interest, and prior academic performance. As stated in the Parent/Student Handbook, students and their parents are responsible for keeping themselves informed about the number of academic credits required for admission into a particular college or university, as well as requirements related to GPAs and scores on standardized tests, such as the SAT and ACT.

Four-Year Planning Sheet

Subject	Grade 9	Grade 10	Grade 11	Grade 12
English / Language Arts: 4 credits				
Theology: 4 credits				
Mathematics: 4 credits (Required: Algebra I, Geometry, and Algebra II)				
Science: 3 credits (Required: Biology; 2 courses with labs; Chemistry or Physics recommended)				
Social Studies: 3 credits (Required: World History 1; U.S. History 1; Government .5; Economics .5)				
Physical Education: 1 credit (Required: Health / Life Management .5)				
Practical / Fine Arts: 1 credit				
World Languages: 2 credits in same language				
Electives: 2 credits (List 3 alternates for the current year you are planning for)				

Archbishop McCarthy High School

2024-2025

Course Descriptions

Note: Courses designated with asterisks indicate additional weight given

THEOLOGY DEPARTMENT COURSE DESCRIPTIONS

0083/0084 FAITH AND REVELATION/CHRISTOLOGY (2109410)

+Grade Level: 9

+Credits: 1/2 credit per semester

Semester 1: Faith and Revelation

The purpose of this course is to give students a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible, students will encounter the living Word of God, Jesus Christ. The course will teach students about the Bible, authored by God through Inspiration, and its value to people throughout the world. If they have not been taught this previously, they will learn how to read the Bible and will become familiar with its major sections and the books included in each section. The students will pay particular attention to the Gospels, where they may grow to know and love Jesus Christ more personally.

Semester 2: Christology

The purpose of this course is to introduce students to the mystery of Jesus Christ, the living Word of God, the Second Person of the Blessed Trinity. In this course, students will be taught to understand that Jesus Christ is the ultimate Revelation to us from God. In learning about who Jesus is, the students will also learn who he calls them to be.

0081/0082 THE PASCHAL MYSTERY/ECCLESIOLOGY (2100370)

+Grade Level: 10

+Credits: 1/2 credit per semester

+Prerequisite: 9th grade Theology

Semester 1: The Paschal Mystery

The purpose of this course is to help students understand all that God has done for us through his Son, Jesus Christ. Through this course of study, students will learn that for all eternity, God has planned for us to share eternal happiness with him, which is accomplished through the redemption Christ won for us. Students will learn that they share in this redemption only in and through Jesus Christ. They will also be introduced to what it means to be a disciple of Christ and what life as a disciple entails.

Semester 2: Ecclesiology

The purpose of this course is to help students understand that in and through the Church, they encounter the living Jesus Christ. They will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by him through the Holy Spirit. Students will come to know that the Church is the living Body of Christ today. This Body has both divine and human elements. In this course, students will learn not so much about events in the life of the Church but about the sacred nature of the Church.

0079 SACRAMENTS: MULTICULTURAL STUDIES (2104600)

+Grade Level: 11/Semester 1

+Credits: 1/2

+Prerequisite: 10th grade Theology

+Note: This course fulfills the virtual credit requirement.

The purpose of this course is to help students understand that they can encounter Christ today in a full and real way in and through the Sacraments, especially through the Eucharist. Students will examine each of the Sacraments in detail so as to learn how they may encounter Christ throughout their lives.

0080 MORALITY: ETHICS (2105350)

+Grade Level: 11/Semester 2

+Credits: 1/2

+Prerequisite: 10th grade Theology

+Note: This course fulfills the virtual credit requirement.

The purpose of this course is to help students understand that it is only through Christ that they can fully live out God's plan for their lives. Students will be taught the moral concepts and precepts that govern the lives of Christ's disciples.

0077 WORLD RELIGIONS (2105310)

+Grade Level: 12/Semester 1

+Credits: 1/2

+Prerequisite: 11th grade Theology

+Note: NCAA approved; this course fulfills the virtual credit requirement.

The purpose of this course is to help students understand the manner in which the Catholic Church relates to non-Catholic Christians as well as to members of other religions of the world. Building on the foundational truth that Jesus Christ established the Catholic Church and entrusted to her the fullness of God's Revelation, the course is intended to help students recognize the ways in which important spiritual truths can also be found in non-Catholic Christian churches and ecclesial communities as well as in non-Christian religions. It is also intended to help them recognize the ways in which other systems of belief and practice differ from the Catholic faith.

0078 CHURCH HISTORY (2109350)

+Grade: 12/Semester 2

+Credits: 1/2

+Prerequisite: 11th grade Theology

+Note: This course fulfills the virtual credit requirement.

The purpose of this course is to provide students with a general knowledge of the Church's history from apostolic times to the present. They will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by him throughout history through the Holy Spirit. The students will come to know that the Church is the living Body of Christ today and, as such, has both divine and human elements. In this course, students will learn about the Church's 2000 years of history and about how the Church is led and governed by the successors of the Apostles.

ENGLISH DEPARTMENT COURSE DESCRIPTIONS

1023 ENGLISH I (1001310)

+Grade Level: 9

+Credits: 1

+Prerequisite:

+Note: Based on Entrance Exam / NCAA Approved

English I is a required course for all freshmen currently demonstrating grade-level skills. The course focuses on world literature, with an emphasis on vocabulary, writing, grammar, and critical thinking. This course introduces students to the study of literature and language at a high-school level. Study and organizational skills will be reviewed and emphasized. Students will be taught how to do basic research, complete research projects, and use technology in English classes.

1043 ENGLISH I HONORS ** (1001320)

+Grade Level: 9

+Credits: 1

+Prerequisite:

+Note: Based on Entrance Exam / NCAA Approved

English I Honors is designed for freshmen who have demonstrated above grade-level skills in prior work and test scores. The course focuses on world literature, with an emphasis on vocabulary, writing, grammar, usage, punctuation, literary analysis, and critical thinking. This course introduces students to the study of literature and language at a high-school level. Study and organizational skills will be reviewed and emphasized. Students will be taught how to do basic research and use technology in English classes. An MLA in-text citation research paper is required.

1047 PRE-AP ENGLISH I HONORS ** (1001415)

+Grade Level: 9

+Credits: 1

+Note: Based on Entrance Exam/NCAA Approved

Pre-AP English I Honors is designed for freshmen who are in the Excelsior program and who demonstrate above grade-level skills. The course focuses on the advanced study of literature and writing, including language structure, and initiates preparation for high school Advanced Placement English courses and exams. Literary study is classical in nature with additional emphasis on vocabulary, writing, grammar, and critical thinking. Study skills, organizational skills, and technology-based research practices will be reviewed and emphasized. An MLA in-text citation research paper is required.

1053 ENGLISH II (1001340)

+Grade Level: 10

+Credits: 1

+Prerequisite: English I

+Note: NCAA Approved

English II is a required course for all sophomores currently demonstrating grade-level skills. This course focuses on classic world literature, with an emphasis on vocabulary, writing, grammar, usage, punctuation, literary analysis, critical thinking, speaking skills, and interdisciplinary

projects. Instruction in doing research and using technology in English classes will continue. An MLA in-text citation research paper is required.

1063 ENGLISH II HONORS ** (1001350)

+Grade Level: 10

+Credits: 1

+Prerequisite: 3.25 GPA; Honors grade of 80+ or College Prep grade of 90+

+Note: NCAA Approved

English II Honors is designed for sophomores who have demonstrated above grade-level skills in English. This course focuses on classic world literature, with an emphasis on vocabulary, grammar, writing, literary analysis, critical thinking, speaking skills, and interdisciplinary projects. Instruction in doing research and using technology in English classes will continue. An MLA in-text citation research paper is required.

1103 ENGLISH III (1001370)

+Grade Level: 11

+Credits: 1

+Prerequisite: English II

+Note: NCAA Approved

English III is a required course for all juniors currently demonstrating grade-level skills. This course focuses on American literature, with an emphasis on writing, critical thinking, literary analysis, research, vocabulary, speaking skills, and interdisciplinary projects. Students will be taught how to create resumes and write college application essays. Instruction in doing research and using technology in English classes will continue. An in-depth MLA in-text citation research paper is required.

1113 ENGLISH III HONORS** (1001380)

+Grade Level: 11

+Credits: 1

+Prerequisite: 3.25 GPA; Honors grade of 80+ or College Prep grade of 90+

+Note: NCAA Approved

English III Honors is for juniors who have demonstrated well above grade-level skills in English II. This course focuses on American literature, with an emphasis on writing, critical thinking, research, vocabulary, speaking skills, and interdisciplinary projects. Problem-solving and analytical skills will be emphasized. Students will be taught how to create resumes and write college application essays. Instruction in doing research and using technology in English classes will continue. An in-depth MLA in-text citation research paper is required.

1114 ENGLISH III HONORS DUAL ENROLLMENT*** (1001380)

+Grade Level: 11

+Credits: 1

+Prerequisite: 3.25 GPA; English II Honors grade of 80+

+Note: This course is Dual Enrollment only/Registration and additional fee required/

(Composition & Literature ENC1101/ENC1102) NCAA Approved / Summer Reading Required

English III Honors Dual Enrollment is for juniors who have demonstrated well above grade-level skills in English II Honors. This course focuses on American literature, with an emphasis on

writing, critical thinking, research, vocabulary, speaking skills, and interdisciplinary projects. Problem-solving and analytical skills will be emphasized. Students will be taught how to create resumes and write college-application essays. The course emphasizes the building of an expanded vocabulary and the development of writing skills through substantial in-class writing assignments, essays on assigned readings, and written responses on exams. Instruction in doing research and using technology in English classes will continue. Summer reading and an MLA in-text citation research paper are required.

1304 ADVANCED PLACEMENT ENGLISH: LANGUAGE AND COMPOSITION ***

(1001420)

+Grade Level: 11-12

+Credits: 1

+Prerequisite: 3.50 GPA; English II Honors grade of 90+

+Note: AP form due at Course Selection / Additional fee / NCAA Approved / Summer Reading Required

This college-level course introduces students to American Literature and helps them become skilled readers of nonfiction and fiction, including essays, novels, and poetry. The course also focuses on the development and revision of evidence-based analytical and argumentative writing and rhetorical analysis. Students learn to evaluate, synthesize, and cite research to support their arguments. Summer reading and an MLA in-text citation research paper are required. All students enrolled in AP English Language and Composition must sit for the AP exam in May.

1253 ENGLISH IV (1001400)

+Grade Level: 12

+Credits: 1

+Prerequisite: English III

+Note: NCAA Approved

English IV is a required course for all seniors currently demonstrating grade-level skills. The curriculum focuses on British literature. Students are taught the historical and cultural forces that influenced the development of British literature and the various literary movements from which these works emerged. The course emphasizes writing, critical thinking, literary analysis, research, vocabulary, speaking skills, and interdisciplinary projects. An in-depth MLA in-text citation research paper is required.

1263 ENGLISH IV HONORS ** (1001410)

+Grade Level: 12

+Credits: 1

+Prerequisite: 3.25 GPA; Honors grade of 80+ or College Prep grade of 90+

+Note: NCAA Approved

English IV Honors is designed for seniors who have demonstrated exceptional skills in English III. The curriculum focuses on British literature, as well as the study of international works. Students are taught the historical and cultural forces that influenced the development of British literature and the various literary movements from which these works emerged. An MLA in-text citation research paper is required.

1265 ENGLISH IV HONORS DUAL ENROLLMENT * (1001410)**

+Grade Level: 12

+Credits: 1

+Prerequisite: 3.25 GPA; 80+ in English III Honors Dual Enrollment (ENC 1101/1102)

+Note: This course is Dual Enrollment only/Registration and additional fee required/ (Survey of English Literature I & II ENL 2012/2022) / NCAA Approved / Summer Reading Required
English IV Honors Dual Enrollment is designed for seniors who have demonstrated exceptional skills in English III Honors Dual Enrollment. Students will study the relationships between various literary works and the cultural and historical forces that influenced them, as well as the various literary movements from which they emerged. The college-level course introduces students to British literature from the Middle Ages, the Renaissance, and the Neoclassical, Romantic, Victorian, and Modern periods. Course readings are selected to represent the great writers, various literary genres, and significant currents of thought in British literature. The course also provides background that assists students in understanding other literary works and other fields of cultural history. The course builds upon the skills taught and reviewed in English III Honors Dual Enrollment. Summer reading and an MLA in-text citation research paper are required.

1305 ADVANCED PLACEMENT ENGLISH: LITERATURE AND COMPOSITION * (1001430)**

+Grade Level: 12

+Credits: 1

+Prerequisite: 3.50 GPA; AP English Lang & Comp grade of 80+ or English III Honors grade of 90+

+Note: AP form due at Course Selection /Additional fee / NCAA Approved / Summer Reading Required

This is a college-level course intended for seniors with exceptional ability in reading, literary analysis, and expository writing. Students read college-level literature and participate in seminar discussions, write focused papers, and take essay exams. Areas of study include novels, Shakespearean drama, Greek tragedy and mythology, short stories, poetry, and essays. The course requires close reading of complex texts, college-level literary analysis, and active class participation. Summer reading and an MLA in-text citation research paper are required. All students enrolled in AP English Literature and Composition must sit for the AP exam in May.

MATHEMATICS DEPARTMENT COURSE DESCRIPTIONS

3026 ALGEBRA I (1200310)

+Grade Level: 9

+Credits: 1

+Note: Placement Based on Entrance Exam / NCAA Approved

Algebra I requires that the student has mastered all basic mathematical skills. It includes a review of real numbers, set theory, evaluating algebraic expressions, simple equations and problems, operations with monomials and polynomials, first-degree equations and inequalities in one variable, factoring, graphs of linear open sentences in two variables, fractional equations, solving word problems in one and two variables, ratio, proportion, variation, and systems of open sentences in two variables.

3033 ALGEBRA I HONORS ** (1200320)

+Grade Level: 9

+Credits: 1

+Note: Placement Based on Entrance Exam / NCAA Approved

Algebra I Honors is a rigorous course for the advanced mathematics student. Topics will include, but not be limited to, operations and properties used within the real number system, algebraic and graphing solutions of first- and second-degree equations and inequalities in one and two variables, relations and functions, direct and inverse variation, word problems, and operations with polynomials, factoring, quadratic equations, exponents, radicals, and complex numbers.

3045 GEOMETRY (1206310)

+Grade Level: 9-10

+Credits: 1

+Prerequisite: Algebra I

+Note: NCAA Approved

Geometry is designed to develop an understanding of the meaning and nature of proofs relating to polygons, and the ability to think creatively and critically in mathematical situations. The course includes a study of terms involving points, lines, and planes, as well as three-dimensional geometry, with emphasis on triangles and other polygons, and circles. A study of coordinate geometry is included, as well as areas, volumes, and constructions.

3083 GEOMETRY HONORS ** (1206320)

+Grade Level: 9-10

+Credits: 1

+Prerequisite: 3.25 GPA; Algebra I Honors grade of 80+ or Algebra I grade of 90+

+Note: NCAA Approved

Geometry Honors is a fast-paced course designed to develop an understanding of geometric relationships, the meaning and nature of proofs, and the ability to think creatively and critically. The course includes a review of terms involving points, lines, and planes, and an in-depth study of both plane and three-dimensional geometry with emphasis on triangles and other polygons, and circles. Coordinate geometry is included in the course, as well as a study of areas, volumes, and constructions.

3145 ALGEBRA II (1200330)

+Grade Level: 9-11

+Credits: 1

+Prerequisite: Geometry

+Note: NCAA Approved

This course reviews and builds on concepts from Algebra I. Topics will include operations and properties within the real number system, algebraic and graphing solutions of first- and second-degree equations and inequalities, direct and inverse variation, and operations with polynomials including factoring, quadratic equations, exponents, and radicals. A study of logarithms, complex numbers, the conic sections, and trigonometry is included.

3063 ALGEBRA II HONORS ** (1200340)

+Grade Level: 9-11

+Credits: 1

+Prerequisite: 3.25 GPA; Geometry Honors grade of 80+ and Algebra I Honors grade of 80+/
Geometry grade of 90+ and Algebra I grade of 90+

+Note: NCAA Approved

Algebra II Honors/Trigonometry is a fast-paced course that is a continuation of concepts from Algebra I Honors. The course consists of a study of the number system, including systems of equations and inequalities and their graphs, polynomials, rational expressions, irrational values and complex numbers, quadratic functions and their graphs, conic sections, and exponential and logarithmic functions. A study of trigonometry will be an integral part of this course.

3343 ALGEBRA II FOR SOPHOMORES (1200330)

+Grade Level: 10-11

+Credits: 1

+Prerequisite: Algebra I Freshman

+Note: NCAA Approved

This course reviews and builds on concepts from Algebra I. Topics will include operations and properties within the real number system, algebraic and graphing solutions of first- and second-degree equations and inequalities, direct and inverse variation and operations with polynomials including factoring, quadratic equations, exponents, and radicals. A study of logarithms, complex numbers, and the conic sections is included.

3513 GEOMETRY FOR JUNIORS (1206310)

+Grade Level: 11

+Credits: 1

+Prerequisite: Algebra II for Sophomores

+Note: NCAA Approved

Geometry for Juniors combines concepts from geometry with a continuation of Algebra I. Emphasis is on applications of analytic geometry; students will reinforce skills taught in Algebra I by applying those skills in a geometry setting. The course will include a study of points, lines, and planes, with a focus on problem-solving involving triangles and other polygons, and circles. Coordinate geometry will be a part of the course.

3407 MATHEMATICS FOR COLLEGE ALGEBRA (1200710)

+Grade Level: 10-12

+Credits: 1

+Prerequisite: 70 + in Algebra II or 90+ in Geometry for Juniors

+Note: NCAA Approved

The purpose of this course is to enable students to develop advanced mathematics knowledge and skills in algebra. This includes systems of equations and inequalities and their graphs, polynomials, rational expressions, irrational values and complex numbers, quadratic functions and their graphs, and exponential and logarithmic functions. Additional concepts taught will include statistical measures and distributions and probability. This course is designed to help prepare students for success in college-level mathematics.

3409 MATHEMATICS FOR COLLEGE LIBERAL ARTS (1207350)

+Grade Level: 10-12

+Credits: 1

+Prerequisite: Geometry for Juniors

+Note:

This is a course for the student who wishes to enhance his/her algebra and geometry skills in preparation for college. The course is designed to help the student develop greater proficiency in mathematics skills by expanding the understanding of mathematical concepts through improved logical thinking, and by promoting self-confidence and success with mathematics. The course will emphasize algebra and geometry skills. This course aligns with the competencies necessary for entry-level college courses.

3213 PRECALCULUS HONORS ** (1202340)

+Grade Level: 10-12

+Credits: 1

+Prerequisite: 3.25 GPA; Algebra II with Department Chair recommendation

+Note: NCAA Approved

PreCalculus develops algebraic skills through review and introduction of new topics, including the theory of equations, exponents, and logarithms. Graphing polynomial equations and finding rational and irrational roots are explored. Trigonometry is developed through the concept of circular functions. Trigonometric equations, identities, and graphing trigonometric functions are included.

3215 ADVANCED PRECALCULUS HONORS** (1202340)

+Grade Level: 10-12

+Credits: 1

+Prerequisite: 3.25 GPA; 90+ in Algebra II or 80+ in Algebra II Honors

+Note: NCAA Approved

Advanced PreCalculus Honors develops algebraic skills through review and introduction of new topics, including the theory of equations, sequences and series, exponents, probability, and logarithms. Graphing polynomial equations and finding rational and irrational roots are explored. Trigonometry is developed through the concept of circular functions. Trigonometric equations, identities, and graphing trigonometric functions are included. Additional topics include rotation

of conics, parametric equations, polar coordinates, and vectors. The pace and rigor of this course prepare the student for Calculus Honors (if other prerequisites have been met).

3363 CALCULUS HONORS ** (1202300)

+Grade Level: 11-12

+Credits: 1

+Prerequisite: 3.25 GPA; 80+ in Advanced PreCalculus Honors or AP PreCalculus; a 90+ in PreCalculus Honors

Note: NCAA Approved

This is a one-year course in Calculus. Students will develop an understanding in four areas: (1) limits and continuity of functions; (2) finding derivatives and applying to motion, slopes, related rates, and optimizations; (3) applying limits and derivatives to graph and analyze functions; and (4) evaluating integrals and applying them to areas, volumes, average values, and differential equations.

3493 PROBABILITY & STATISTICS HONORS ** (1210300)

+Grade Level: 11-12

+Credits: 1

+Prerequisite: 3.25 GPA; 80+ in PreCalculus Honors, Advanced PreCalculus Honors, or Calculus Honors

+Note: Open to any 11th & 12th grader as an addition to a regular Math course.

NCAA Approved

Students will learn the concept of probability and its properties, descriptive statistics, discrete and continuous random variables, combinations, expected value, the central limit theorem, curve fitting, distribution functions, random sampling, and sampling distributions. Topics also include counting principles, permutations, probability outcomes, and events. Many real-world applications will be presented in the course.

3217 ADVANCED PLACEMENT PRECALCULUS * (1202305)**

+Grade Level: 10-12

+Credits: 1

+Prerequisite: 3.50 GPA; 90+ in Algebra II Honors

+Note: AP form due at Course Selection / Additional fee / NCAA Approved

AP PreCalculus prepares students for other college-level mathematics and science courses.

Students will explore everyday situations using mathematical tools and lenses. Students will develop an understanding of modeling and functions, and examine scenarios through multiple representations. Students will expand their understanding of polynomial functions, rational functions, exponential and logarithmic functions, trigonometric and polar functions, and parameters, vectors, and matrices. Students who elect to take this course are required to sit for the AP PreCalculus examination.

3204 ADVANCED PLACEMENT CALCULUS AB * (1202310)**

+Grade Level: 11-12

+Credits: 1

+Prerequisite: 3.50 GPA; 80+ in AP PreCalculus; 90+ in Advanced PreCalculus Honors or Calculus Honors

+Note: AP form due at Course Selection / Additional fee / NCAA Approved

Calculus is abstract in its content and designed for those who wish to study mathematics, science, or engineering in college. The course is equivalent in content to four or six college credit hours in Calculus. The course will include a study of limits, differentiation and applications of differentiation, integration and applications of integration and inverse functions. Students who elect this course are required to sit for the AP Calculus AB examination.

3205 ADVANCED PLACEMENT CALCULUS BC * (1202320)**

+Grade Level: 12

+Credits: 1

+Prerequisite: 3.5 GPA; 80+ in AP Calculus AB

+Note: AP form due at Course Selection / Additional fee / NCAA Approved

AP Calculus II BC is a continuation of the concepts that are discussed in AP Calculus I AB.

Topics include different techniques of integration and improper integrals. Polynomial approximations of sequences and infinite series are included. Parametric equations and the use of plane curves and polar graphs are part of this course. Concepts of vectors within planes, lines and surfaces in space are also discussed. Students who elect this course are required to sit for the AP Calculus II BC examination.

SCIENCE DEPARTMENT COURSE DESCRIPTIONS

2023 BIOLOGY I (2000310)

+Grade Level: 9-12

+Credits: 1

+Prerequisite:

+Note: Based on Entrance Exam/ NCAA Approved

At the conclusion of this course, the student will have a thorough knowledge of the development of biological principles, starting with simple levels of biological organizations and progressing to more complex levels. Emphasis is placed on the fundamental unity among the diverse forms of life, the relationship between form and function, health and diseases, and the relationship between God and the biological sciences. Laboratories are used to reinforce scientific investigation. Microscope use and simple animal dissections are introduced.

2033 BIOLOGY I HONORS ** (2000320)

+Grade Level: 9-12

+Credits: 1

+Prerequisite: Based on Entrance Exam scores, standardized test scores, and grades

+Note: NCAA Approved

The Biology I Honors course is designed for academically accelerated students who wish to explore biology in more detail and prepare for a career in science. At the conclusion of this course, the student will have a thorough knowledge of advanced exploratory experiences and activities in the fundamental concepts of life. Emphasis is placed on the fundamental unity among the diverse forms of life, the relationship between form and function, as well as topics concerned with health and diseases and the relationship between God and the biological sciences. Microscope use, simple animal dissections, laboratory safety, and the use of apparatus are introduced.

2074 CHEMISTRY I (2003340)

+Grade Level: 9-12

+Credit: 1

+Prerequisite: Completion of Biology and Algebra I, or a higher-level math course, with a grade of 70+

+Note: NCAA Approved

This course introduces the student to topics in inorganic chemistry. At the conclusion of this course, the student will have a thorough knowledge of the composition, properties, and changes associated with matter and their applications. Laboratory investigations, the use of scientific methods, measurement, laboratory apparatus, and safety procedures are an integral part of this course. This course also includes the use of mathematical processes, graphical representation, and data analysis.

2063 CHEMISTRY I HONORS ** (2003350)

+Grade Level: 9-12

+Credit: 1

+Prerequisite: 3.25 GPA; 80+ in Biology I Honors or 90+ in Biology I with 80+ in Algebra I Honors or 90+ in Algebra I

+Note: NCAA Approved

This course is designed for academically accelerated students who wish to expand their knowledge in chemistry and prepare for a career in science. The course is designed to familiarize students with the relationship between structure and the properties of matter and increase their appreciation for the structure and behavior of the world around them. Students will discover and work with quantitative relationships that are fundamental to chemical reactions and the structure of matter. This course also includes the use of mathematical processes, graphical representation, and data analysis. The course is taught with a hands-on approach that includes numerous laboratory experiences.

2483 MARINE SCIENCE (2002500)

+Grade Level: 9-12

+Credits: 1

+Prerequisite: Biology I

+Note: NCAA Approved

At the conclusion of this course, the student will have a thorough knowledge of the marine environment, including physical, chemical, and biological processes. The content will include, but not be limited to, the diversity of marine organisms, physical and biological characteristics of the planktonic, benthic, and nektonic regions, and potential resources of the oceans. Laboratory activities and field work will reinforce the concepts covered in class.

2523 MARINE SCIENCE HONORS** (2002510)

+Grade Level: 9-12

+Credit: 1

+Prerequisite: 3.25 GPA; 80+ in Biology I Honors or Anatomy Honors or 90+ in Biology I or Anatomy; and 80+ in English Honors or 90+ in College Prep English

+Note: Only one Marine Science course can be used to meet the Science requirement.

NCAA Approved

The purpose of this course is to provide an in-depth study of the marine environment. The content should include, but not be limited to, the following: the nature of science; geology of the ocean floor, the structure, functions, and behavior of marine organisms; interrelationships in the marine environment; the chemistry of seawater; climate changes; energy; waves, tides, and cycles; and the influence of technology on the use and misuse of the ocean by man. Laboratory investigations of selected topics in the content that include the use of scientific method, measurement, laboratory apparatus, and safety procedures are an integral part of this course.

2103 EARTH/SPACE SCIENCE (2001310)

+ Grade Level: 10-12

+ Credit: 1

+ Prerequisite: Biology I

This course focuses on the study of space and the geologic and atmospheric forces that shape our world. Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, and safety procedures are an integral part of this course. Through experimentation and investigation, students will explore Earth's cycles, including the geosphere, hydrosphere, cryosphere, atmosphere, and carbon cycle.

2585 ANATOMY AND PHYSIOLOGY (2000350)

+Grade Level: 9-12

+Credit: 1

+Prerequisite: Biology I

+Note: NCAA Approved

This course is geared to the average student interested in pursuing a career in the medical field. The purpose of this course is to provide exploratory activities in the structures and functions of the components of the human body, as well as current medical information. Laboratory investigations of selected topics in the content that include the use of scientific method, measurement, laboratory apparatus, and safety procedures are an integral part of this course. Practical laboratory activities are enforced.

2203 ANATOMY AND PHYSIOLOGY HONORS ** (2000360)

+Grade Level: 9-12

+Credit: 1

+Prerequisite: 3.25 GPA; 80+ in Biology I Honors or Marine Science Honors, or 90+ in Biology I or Marine Science; and 80+ in English Honors or 90+ in College Prep English

+Note: NCAA Approved

This course is geared to the above average student who is interested in pursuing a career in the medical field. It provides a comprehensive survey of the anatomy and physiology of cells, tissues, organs, and systems of the human body. The course also familiarizes students with the structure of the human body and the way it functions by systematic study of models. This course is enhanced by a selection of videos, slides, and guest speakers. Hands-on dissecting experiences, comprehensive laboratory activities, and practical testing are included.

2173 PHYSICS I HONORS ** (2003390)

+Grade Level: 10-12

+Credit: 1

+Prerequisite: 3.25 GPA; 80+ in Geometry Honors or higher-level math course or 90+ in College Prep Geometry; and 80+ in English Honors or 90+ in College Prep English

+Note: NCAA Approved

At the conclusion of this course, the student will have a thorough knowledge of the concepts, theories, and laws governing the interaction of matter, energy, and forces, and their applications through exploratory investigations and activities. This course includes laboratory investigations that incorporate the use of measurement, problem solving, laboratory apparatus, safety

procedures, and experimental procedures. This course also includes mathematical processes, graphical representation, and data analysis.

2556 ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE * (2001380)**

+Grade Level: 10-12

+Credit: 1

+Prerequisite: 3.50 GPA; 80+ in Biology and Chemistry. Completion of at least one science course at an honors level with a grade of 90+ and an English Honors grade of 80+

+Note: AP form due at course selection / Additional fee / NCAA Approved /

At the conclusion of this course, the student will have a thorough knowledge of the ways that humans interact with the natural environment. The content includes, but is not limited to, scientific analysis; fundamental principles and concepts about the interdependence of earth's systems; population dynamics; the distribution, ownership, use, and degradation of renewable and non-renewable resources; environmental quality; global changes; and choices for the future. Lectures are reinforced with laboratory investigations of selected topics in the content. All students are required to take the AP exam.

2324 ADVANCED PLACEMENT BIOLOGY * (2000340)**

+Grade Level: 10-12

+Credit: 1

+Prerequisite: 3.50 GPA; 80+ in Biology and Chemistry, with at least one of these courses at honors level with a grade of 90+ and an English Honors grade of 80+

+Note: AP form due at Course Selection / Additional fee / NCAA Approved

This course is designed to provide a study of the facts, principles, and processes of biology and the collection, interpretation, and formulation of hypotheses from available data. Laboratory investigations of selected topics in the content, which also include the use of scientific methods, measurement, laboratory apparatus, and safety procedures, are an integral part of this course. Additional time is required for weekly lab activities. All students are required to take the AP exam.

2134 ADVANCED PLACEMENT CHEMISTRY * (2003370)**

+Grade Level: 10-12

+Credit: 1

+Prerequisite: 3.50 GPA; Chemistry Honors grade of 90+; currently enrolled in Algebra II Honors or a higher-level math course; and an English Honors grade of 80+

+Note: AP form due at Course Selection / Additional fee / NCAA Approved

The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year. It provides an in-depth understanding of fundamentals and a reasonable competence in dealing with chemical problems. Topics such as chemical equilibria, kinetic theory of gases, chemical kinetics, and the basic mathematical formulation of principles and concepts will be covered. Laboratory investigations of selected topics in the content are an integral part of this course. Additional time is required for weekly lab activities. All students are required to take the AP exam.

2624 ADVANCED PLACEMENT PHYSICS 1*** (2003421)

+Grade Level: 10-12

+Credit: 1

+Prerequisite: 3.50 GPA; Physics Honors grade of 90+ or Chemistry Honors grade of 90+; 80+ in Algebra II Honors or a higher-level math course; and an English Honors grade of 80+
AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through classroom study, in-class activity, and hands-on, inquiry-based laboratory work as they explore concepts such as systems, fields, force interactions, change, conservation, and waves. All students are required to take the AP exam.

2010 ZOOLOGY (2000410)

+Grade Level: 9-12

+Credit: 1

+Prerequisite: Biology I

This course covers the branch of biology that deals with animals and animal life, including the study of the structure, physiology, development, and classification of animals. Some of the topics covered include the classification of animals; invertebrates, including sponges, flatworms, mollusks, insects, arthropods, and echinoderms; and vertebrates, including fishes, amphibians, reptiles, birds, and mammals. Through experimentation, laboratory investigation, and research projects, students will also make detailed examinations of selected animal phyla.

2028 BIOLOGY TECHNOLOGY (2000430)

+Grade Level: 9-12

+Credit: 1

+Prerequisite:

Upon successful completion of the course, students will have a better understanding of current biological concepts and biotechnological applications. Biology Technology is a laboratory-based class in which students will study the cell; the molecular basis of heredity; biological evolution; the interdependence of organisms; matter and energy; organization in living systems; and the behavior of organisms. The course will also provide additional opportunities for students to engage in problem-solving and to utilize STEM processes and standards of practices. For example, modern Biology Technology provides groundbreaking products and technologies to combat diseases, reduce humans' environmental footprint, feed the hungry, use less and cleaner energy, and have safer, cleaner, and more efficient industrial manufacturing. This course challenges students to honestly evaluate the current problems faced in the 21st century and apply their knowledge of foundational biology to propose possible solutions using biotechnological techniques.

SOCIAL STUDIES DEPARTMENT
COURSE DESCRIPTIONS

7013 WORLD HISTORY (2109310)

+Grade Level: 10

+Credits: 1

+Prerequisite:

+Note: NCAA Approved

The World History course provides a survey of the world's past and a framework for students to discover the events and ideas that have shaped the modern global community. Incorporating geographical skills as an integral part of understanding history, the course follows a progression of historical events from the earliest civilizations through the 20th century. Students will gain a greater appreciation for the relationships that exist among important political, scientific, social, and cultural trends while exploring the geography of the regions under study. Students will also develop analytical and writing skills necessary for continued success in the social studies.

7023 WORLD HISTORY HONORS** (2109320)

+Grade Level: 10

+Credits: 1

+Prerequisite: 3.25 GPA; 80+ in English Honors; 90+ in College Prep English

+Note: NCAA Approved

This honors-level course is, by design, more challenging than the college prep course. While providing the framework for reasoned consideration of the larger historical themes and analysis, it offers more in-depth exploration of material along with more rigorous project development, writing assignments, and examinations. The Honors World History/Geography course provides a survey of the world's past and a framework for students to discover the events and ideas that have shaped the modern global community. The course follows a progression of historical events from Ancient Greece & Rome through the 20th century.

7305 ADVANCED PLACEMENT WORLD HISTORY: MODERN *** (2109420)

+Grade Level: 10

+Credits: 1

+Prerequisite: 3.50 GPA; 80+ in AP Human Geography or 90+ in English Honors

+Note: AP form due at Course Selection/Additional fee/Summer Reading and Assignment Required

The Advanced Placement course in World History is designed to provide students with the analytical skills and content knowledge necessary for success on the AP examination in World History. This course makes demands on the students equivalent to that of a full-year introductory college-level course, and incorporates rigorous reading and writing assignments designed to prepare students for the Advanced Placement exam at the end of the year. Students also learn to assess historical materials and analyze interpretations presented in historical scholarship. All students enrolled in this course must sit for the Advanced Placement exam in May.

7073 U.S. HISTORY (2100310)

+Grade Level: 11

+Credits: 1

+Prerequisite: World History

+Note: NCAA Approved

The United States History course takes a chronological and conceptual approach to the study of the American experience. Major themes, events, and individuals involved in the development of the U.S. from its colonial origins to its position as a world power in the modern era will be covered. Students will develop the critical reading and writing skills necessary for success in the social sciences and humanities in college.

7093 U.S. HISTORY HONORS ** (2100320)

+Grade Level: 11

+Credits: 1

+Prerequisite: 3.25 GPA; 80+ World History Honors or 90+ College Prep World History

+Note: NCAA Approved

The Honors United States History course surveys the American experience from pre-colonial times to the modern day. Using the ideals upon which this nation was founded, students will gain a greater appreciation of the political realities that often conflict with those ideals. Students will analyze the American experience from a variety of perspectives, arrive at conclusions based on informed judgments, and support those conclusions with evidence. This honors-level course is, by design, more challenging than the college prep course and offers more in-depth exploration of material along with more rigorous project development, writing assignments and examinations.

7094 U.S. HISTORY HONORS DUAL ENROLLMENT *** (2100320)

+Grade Level: 11

+Credits: 1

+Prerequisite: 3.25 GPA; 80+ in AP World History or 90+ in World History Honors

+Note: This course is Dual Enrollment only/Registration and additional fee required/Summer Reading and Assignment required/AMH2010/2020) / NCAA Approved

The U.S. History Honors Dual Enrollment course is designed to provide students with an academic experience equivalent to that of a full-year introductory college-level history course. Accordingly, this curriculum makes demands on students that incorporate rigorous reading, writing, and project-based assignments that develop college-level analytical skills and content knowledge. Students learn to assess historical materials and to weigh the evidence and interpretations presented in historical scholarship.

7104 ADVANCED PLACEMENT U.S. HISTORY *** (2100330)

+Grade Level: 11

+Credits: 1

+Prerequisite: 3.50 GPA; 80+ in AP World History or 90+ in World History Honors

+Note: AP form due at Course Selection /Additional fee / Summer Reading and Assignment Required

The Advanced Placement course in United States History is designed to provide students with the analytical skills and content knowledge necessary for success on the AP examination in U.S. History. This course makes demands on the students equivalent to that of a full-year introductory

college-level course and incorporates rigorous reading, writing, and project-based assignments designed to prepare students for the Advanced Placement exam at the end of the year. Students also learn to assess historical materials and analyze interpretations presented in historical scholarship. All students enrolled in this course must sit for the Advanced Placement exam in May.

7181 ADVANCED PLACEMENT U.S. GOVERNMENT AND POLITICS * (2106420)**

+Grade Level: 12

+Credits: 1/2

+Prerequisite: 3.50 GPA; 80+ in AP U.S. History or 90+ in U.S. History Honors

+Note: AP form due at Course Selection /Additional fee / Summer Reading and Assignment Required

NCAA Approved

This course serves as a survey of the political landscape of the United States and the structure of the federal government as outlined in the U.S. Constitution. Particular attention will be given to the three branches of government and the federal bureaucracy, but we will also examine the role political parties, the media, and special interest groups play in the formation of public policy. The development of civil rights and civil liberties will be explored in some detail as well. This is a demanding course that will require significant reading/researching outside of class. All students enrolled in AP United States Government and Politics must sit for the AP exam in May.

7190 U.S. GOVERNMENT (2106310)

+Grade Level: 12

+Credits: 1/2

+Prerequisite:

+Note: NCAA Approved

This course introduces the students to the interaction of politics and government in American society. Particular attention and time are devoted to the three branches of government and the federal bureaucracy. Topics to be covered include: historical foundations; the Constitution; the three branches of government; state and local government; the American justice system; and U.S. foreign policy.

7230 U.S. GOVERNMENT HONORS ** (2106320)

+Grade Level: 12

+Credits: 1/2

+Prerequisite: 3.25 GPA; 80+ in U.S. History Honors or 90+ in College Prep U.S. History

+Note: NCAA Approved

This honors-level course is, by design, more challenging than the college prep course and serves as a survey of the political landscape of the United States and the structure of the federal government as outlined in the U.S. Constitution. Particular attention will be given to the three branches of government and the federal bureaucracy, but we will also examine the role political parties, elections, and the media play in the formation of public policy. The development of civil rights and civil liberties will be explored in some detail as well. This is a demanding course that will require significant reading/researching outside of class.

7204 ECONOMICS (2102310)

+Grade Level: 12

+Credits: 1/2

+Prerequisite:

+Note: NCAA Approved

During this one-semester course, we explore the social science of Economics. Focusing on both the micro and macroeconomic issues/concepts that enhance an understanding of our dynamic and changing world, the course provides a practical foundation for addressing and shaping our future roles within the local, state, national, and global communities.

7205 ECONOMICS HONORS ** (2102320)

+Grade Level: 12

+Credits: 1/2

+Prerequisite: 3.25 GPA; 80+ in U.S. History Honors or 90+ in College Prep U.S. History

+Note: NCAA Approved

This course offers an introduction to the basic principles of Economics. Focusing on both the micro and macroeconomic issues/concepts that enhance an understanding of our dynamic and changing world, the course provides a practical foundation for addressing and shaping our future roles within the local, state, national, and global communities. Students will also explore the factors that influence the national economy, including the governmental entities that shape national economic policy. This honors-level course is more challenging than the college prep course in that it offers more in-depth exploration of material and more rigorous project development, writing assignments, and examinations.

7211 ADVANCED PLACEMENT MACROECONOMICS *** (2102370)

+Grade Level: 12

+Credits: 1/2

+Prerequisite: 3.50 GPA; 80+ in AP U.S. History or 90+ in U.S. History Honors

+Note: AP form due at Course Selection /Additional fee / Summer Reading and Assignment Required / NCAA Approved

AP Macroeconomics is the equivalent of a one-semester college-level survey course in macroeconomics and incorporates rigorous reading and writing assignments designed to prepare students for the Advanced Placement exam at the end of the year. The purpose of the course is to provide students a thorough understanding of the principles of economics that apply to an economic system as a whole. The course will emphasize the study of national income and price determination, as well as economic performance measures, economic growth, and international economics. Some basic economic concepts will also be covered. All students are required to take the AP exam in May.

7485 ADVANCED PLACEMENT HUMAN GEOGRAPHY EXCELSIOR *** (2103400)

+Grade Level: 9

+Credits: 1

+Prerequisite: Based on Entrance Exam Scores and admission to the Excelsior Scholars Program
The purpose of the AP Human Geography course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. The course introduces students to the importance of spatial organization—the location of

places, people, and events, and the connections between places and landscapes—in the understanding of human life on Earth. They also learn about the methods and tools geographers use in their science and practice. All students are required to take the AP exam in May.

7488 ADVANCED PLACEMENT HUMAN GEOGRAPHY * (2103400)**

+Grade Level: 9-12

+Credits: 1

+Prerequisite: 3.50 GPA; 80+ in AP World History, or 80+ in AP U.S. History or 90+ in English I Honors or 90+ in Honors World History or 90+ in Honors U.S. History

The purpose of the AP Human Geography course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. The course introduces students to the importance of spatial organization—the location of places, people, and events, and the connections between places and landscapes—in the understanding of human life on Earth. They also learn about the methods and tools geographers use in their science and practice. All students are required to take the AP exam in May.

ELECTIVES COURSE OFFERING

7131 PSYCHOLOGY (2107300)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite: Biology

+Note: NCAA Approved/This general elective course does not meet the Practical/Fine Arts requirement.

This is a survey course of general theories in human behavior that gives students an introduction to Psychology as a social science. We will study various psychological concepts including, but not limited to, consciousness, creativity, personality, cognitive development, social behavior, and the connection between biology and behavior.

PHYSICAL EDUCATION DEPARTMENT
COURSE DESCRIPTIONS

4010 PERSONAL FITNESS (1501300)

+Grade Level: 9-12

+Credits: 1/2

+Note: This course meets the Physical Education requirement for graduation.

This one-semester, state-required course provides students with an in-depth analysis of health and wellness topics such as cardiovascular efficiency, muscular strength and endurance, body composition, nutrition, health problems, CPR, and the development of an individualized exercise program. Lectures and individual research, in conjunction with weight training and aerobic exercise, provide the student with a well-rounded fitness program. Individual fitness profiles are developed to assist the student in understanding and achieving optimal fitness levels appropriate to the student. Teaching students about the importance of life-long wellness, positive nutritional habits, and monitoring personal health are vital elements of the course.

4020 HEALTH / LIFE MANAGEMENT SKILLS 0800300)

+Grade Level: 9-12

+Credits: 1/2

This one-semester, state-required course assists students with the development of essential life management skills, including emotional and physical development, healthy nutritional habits, and practical skills necessary for daily life function. It is designed to enhance the quality of personal and family life through in-class projects and outside experiences. The course will cover such topics as drug education, AIDS, cardiopulmonary resuscitation, nutrition, the hazards of smoking, and developing a healthy self-concept. Economic topics covered in the course include understanding the types and uses of credit, preparing and managing a budget, accessing health care, planning for future employment, and other finance-related matters.

4100 BEGINNING WEIGHT TRAINING (1501340)

+Grade Level: 9-12

+Credits: 1/2

+Note: This course meets the Physical Education requirement for graduation. This physical education elective course does not meet the Practical/Fine Arts requirement.

The curriculum is designed to assist serious student-athletes who wish to enhance their knowledge of fitness conditioning and the strategies and skills that can enhance muscular strength and muscular endurance needed in their sport or activity. All students will go through pre-, post-, and intermittent evaluations of their strength, power, muscular endurance, agility, speed, and flexibility. Students may use training principles prescribed by their coach or those developed through the collaborative efforts of the teacher and student. Students are required to dress appropriately in sneakers, shorts, and school t-shirt. keep daily records, and perform teacher-assisted self-evaluations every three weeks.

4152 SPORTS MEDICINE: CARE & PREVENTION OF ATHLETIC INJURIES ***

(1502490)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite: 70+ in Biology

+Note: This course meets the Physical Education requirement for graduation.

This physical education elective course does not meet the Practical/Fine Arts requirement.

Dual Enrollment Eligible/ Registration and additional fee required for Dual Enrollment credit

(Sports Medicine PET2302): **Offered during the summer only.**

The purpose of this course is for the student to acquire knowledge and skills relating to the nature, prevention, care, and rehabilitation of athletic injuries. The content includes, but is not limited to, injury prevention, identification, management, and rehabilitation; anatomy and physiology; and career opportunities in sports medicine.

4101 TEAM SPORTS I (1503350)

+Grade Level: 9-12

+Credits: 1/2

+Note: This course meets the Physical Education requirement for graduation. This physical education elective course does not meet the Practical/Fine Arts requirement.

The purpose of this course is to teach students the physical skills necessary to be competent in many forms of movement; knowledge of team sports concepts such as offensive and defensive strategies and tactics; and appropriate social behaviors within a team or group setting. The integration of fitness concepts throughout the course content is critical to its effectiveness.

WORLD LANGUAGES DEPARTMENT
COURSE DESCRIPTIONS

6023 SPANISH I (0708340)

+Grade Level: 9-12

+Credits: 1

+Prerequisite:

+Note: NCAA Approved

For students who do not have Spanish-speaking parents or who have not been exposed to the language

The students will develop basic communication skills in listening, reading, writing, and speaking Spanish. First-year vocabulary, grammar, and syntax will be emphasized. In addition, the students will be introduced to the customs and ways of life of the Spanish-speaking people of the world.

6043 SPANISH II (0708350)

+Grade Level: 9-12

+Credits: 1

+Prerequisite: Spanish I

+Note: NCAA Approved

Spanish II reinforces the fundamental skills acquired by the students in Spanish I. The course develops increased listening, speaking, reading, and writing skills, as well as cultural awareness. Reading and writing receive more emphasis in this course than in Spanish I, though oral communication remains the primary objective. The cultural survey of Spanish-speaking people is continued.

6064 SPANISH III HONORS *** (0708360)

+Grade Level: 9-12

+Credits: 1

+Prerequisite: Spanish II

+Note: NCAA Approved / This course is Dual Enrollment eligible. 3.0 GPA required for dual enrollment. Registration and additional fee required for dual enrollment credit. (Introduction to Spanish I SPN 1101/SPN 1102)

The students will continue developing competency in the four communication skills of listening, speaking, reading, and writing. Language areas of grammar and vocabulary will consist of more complex forms, and there will be a greater emphasis on the spoken language to encourage fluency. Literature will be introduced. Oral presentations of research projects and written compositions are an integral part of the course.

6294 ADVANCED PLACEMENT SPANISH LANGUAGE * (0708400)**

+Grade Level: 10-12

+Credits: 1

+Prerequisite: 3.50 GPA; 90+ in Spanish III Honors, Spanish Heritage III Honors or Spanish Speakers III Honors

+Note: AP form due at Course Selection / Additional fee / NCAA Approved

This course stresses oral skills, reading comprehension, and grammar, as well as extensive training in the organization and writing of essays. The students' speaking, reading, and writing skills will be developed to attain fluency. All students are required to take the AP exam.

6215 SPANISH SPEAKERS I (0709300)

+Grade Level: 9-12

+Credits: 1

+Prerequisite:

+Note: NCAA Approved

For students who have Spanish-speaking parents and have basic listening, speaking, and writing skills in the language.

The students will develop basic communication skills in listening, reading, writing, and speaking Spanish. First-year vocabulary, grammar, and syntax will be emphasized. Studying globally-accepted Spanish will enable students to develop proper speaking, reading, and writing skills so that they will be prepared to converse with Spanish speakers worldwide. The students will also explore their own culture and traditions and share them with others in creative ways.

6234 SPANISH SPEAKERS II (0709310)

+Grade Level: 9-12

+Credits: 1

+Prerequisite: Spanish Speakers I

+Note: NCAA Approved

For incoming students who have Spanish-speaking parents.

Students will continue to develop reading and writing skills, preparing them to function in the international business world. Oral communication skills will be strengthened. Students will be introduced to the literature and culture of their heritage.

6274 SPANISH SPEAKERS III HONORS ** (0709320)

+Grade Level: 9-12

+Credits: 1

+Prerequisite: Spanish Speakers II

+Note: NCAA Approved / This course is Dual Enrollment eligible. 3.0 GPA required for dual enrollment. Registration and additional fee required for dual enrollment credit. (Intermediate Grammar, Composition, and Reading SPN 2200/SPN 2202)

This course is designed to strengthen students' reading and writing skills, as well as reinforce their listening and speaking skills, so that they may attain a high level of fluency. Selected readings of intermediate-level Spanish and Spanish American authors will give students a panoramic view of the history and culture of the people of the Spanish-speaking world.

6924 ADVANCED PLACEMENT SPANISH LITERATURE * (0708410)**

+Grade Level: 10-12

+Credits: 1

+Prerequisite: 3.50 GPA; 80+ in AP Spanish Language or 90+ in Spanish III Honors, Spanish Heritage III Honors, or Spanish Speakers III Honors

+Note: AP form due at course selection / Additional fee / NCAA Approved

Open to both native and non-native Spanish speaking students.

This course covers selected works from all genres of the literatures of Spain and Spanish America. Students will discuss and analyze the form and content of these literary works in order to gain an in-depth understanding of each genre. All students are required to take the AP exam.

6148 SPANISH HERITAGE I (0708340)

+ Grade Level: 9-12

+ Credits: 1

+ Prerequisite:

+Note: NCAA Approved

This course is designed for students of Hispanic heritage who have been exposed to the language but are not fluent. Students will develop basic communication skills in listening, reading, speaking, and writing at a faster pace.

6149 SPANISH HERITAGE II (0708350)

+ Grade Level: 9-12

+ Credits: 1

+ Prerequisite: Spanish Heritage I

+Note: NCAA Approved

The Spanish Heritage II course reinforces the fundamental skills acquired by students in Spanish Heritage I. The course develops increased listening, speaking, reading, and writing skills, as well as cultural awareness. Reading and writing receive more emphasis in this course than in Spanish Heritage I, though oral communication remains the primary objective. The cultural survey of the Spanish-speaking people is continued.

6313 FRENCH I (0701320)

+Grade Level: 9-12

+Credits: 1

+Prerequisite:

+Note: NCAA Approved

In this course students will develop basic communication skills in listening, reading, writing, and speaking French. First-year vocabulary, grammar, and syntax will be emphasized. In addition, students will be introduced to the customs and ways of life of the French-speaking people of the world.

6333 FRENCH II (0701330)

+Grade Level: 9-12

+Credits: 1

+Prerequisite: French I

+Note: NCAA Approved

French II reinforces the fundamental skills acquired by students in French I. The course develops increased listening, speaking, reading, and writing skills, as well as cultural awareness. Specific content to be covered is a continuation of listening and oral skills acquired in French I. Reading and writing receive more emphasis in this course than in French I, though oral communication remains the primary objective. The cultural survey of the French-speaking people is continued.

6353 FRENCH III HONORS ** (0701340)

+Grade Level: 9-12

+Credits: 1

+Prerequisite: 3.25 GPA; French II

The students will continue developing competency in the four communication skills of listening, speaking, reading, and writing. Language areas of grammar and vocabulary will consist of more complex forms, and there will be a greater emphasis on the spoken language to encourage fluency. The course reviews grammar and syntax and includes advanced translation and composition, with emphasis on building essential business vocabulary and idioms, basic writing styles, and speech structures most frequently used in French correspondence and office communications.

ELECTIVES INDEX PAGE

All elective courses are subject to change due to enrollment and teacher availability.

The following elective courses meet the Practical/Fine Arts requirement:

Digital Art Imaging I	Guitar I
Digital Art Imaging II	Introduction to Drama
Visual Technology I	Theatre II
2-D Studio Art I	Theatre III Honors
2-D Studio Art II	Theatre Direction
3-D Sculpture	Stage Management
Portfolio Development: Drawing Honors	Speech I
Advanced Placement Art Drawing Portfolio	Debate I
Film I (offered summer only)	Dance Techniques I
Creative Photography	Dance Techniques II
Yearbook I	Foundations of Robotics Honors
Music of the World	Robotics Design Essentials
Drumming Techniques I	Game and Simulations Foundations Honors
Drumming Techniques II	Computer Fundamentals
Instrumental Ensemble	Multimedia Technologies
Music Technology and Sound Engineering I	Communications Technology I
Music Technology and Sound Engineering II	Business & Entrepreneurship Principles Honors
Vocal Techniques I	Finance and Business Technology Honors
Keyboard I	

The following elective courses do not meet the Practical/Fine Arts requirement:

Psychology
Sports Medicine (offered in the summer only)
Beginning Weight Training
Team Sports I
Advanced Placement Computer Science Principles

COURSE DESCRIPTIONS FOR ELECTIVES

8012 DIGITAL ART IMAGING I (0108370)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite:

+Note: This course meets the Practical/Fine Arts requirement.

This is a beginner-level course in which students learn how to use Adobe Photoshop to composite, edit, and retouch images. Students learn how to create vector illustration designs in Adobe Illustrator. This course incorporates hands-on activities and the use of technology. Students learn a real-world skill, as Adobe applications are used by professionals in the fields of art and design.

8017 DIGITAL ART IMAGING II (0108380)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite: Digital Art Imaging I

+Note: This course meets the Practical/Fine Arts requirement.

This course builds on the skills learned in Digital Art 1. Students continue to create original works of digital art utilizing Adobe Photoshop and Adobe Illustrator, with more advanced project criteria. Students will leave this course with a portfolio of digital work that demonstrates the spectrum of skills learned.

8740 VISUAL TECHNOLOGY I (0107440)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite:

+Note: This course meets the Practical/Fine Arts requirement.

This is a beginner-level course in which students are engaged to explore the concept of art in motion. Students learn how to create 2-D animation using Adobe Animate. Students also produce stop-motion animation using the iPads and the Stop Motion Studio and iMovie apps. This course incorporates hands-on activities and the use of technology and art materials.

8011 2-D STUDIO ART I (0101300)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite:

+Note: This course meets the Practical/Fine Arts requirement.

This is a studio course that will serve the student by enriching his or her experiences and understanding of the two-dimensional art world through a hands-on visual art experience. Students will learn to create art utilizing various media including pencil, charcoal, pen & ink, pastels, and paint. Students will also learn to communicate in proper terminology through class critiques and master artist studies, thus exercising personal development within these creative processes.

8018 2-D STUDIO ART II (0101310)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite: 2-D Studio Art I

+Note: This course meets the Practical/Fine Arts requirement.

The purpose of this course is to give students an extensive experience in the artistic expression of ideas through two-dimensional art media. It includes artistic qualities of original art, manipulative skills and organization, and aesthetic merit. Students will analyze the qualities of various dimensional works of art as they generate and critique ideas. Throughout the process, they will use design principles to develop and refine their skills and knowledge through appropriate self-expression using selected media.

8019 3-D SCULPTURE (0111310)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite: 2-D Studio Art I & II

+Note: This course meets the Practical/Fine Arts requirement.

The purpose of this course is to develop in the student the fundamental skills necessary to communicate a range of ideas through the art of sculpture. It includes the use of tools and materials, art vocabulary, standard and unconventional materials, functional and nonfunctional form, elements of art, and principles of design. Students will use critical thinking and analysis to evaluate historical and cultural perspectives, connections between visual arts and other subject areas, and personal and social benefits.

8009 PORTFOLIO DEVELOPMENT: DRAWING HONORS ** (0109310)

+Grade Level 9-12

+Credits: 1

+Prerequisite: 2-D Studio Art I/II or 2 Digital Art classes and **Portfolio Interview Required**

+Note: This course meets the Practical/Fine Arts requirement.

Students in this course work in a self-directed environment to develop a portfolio showing a body of their own work that visually explores a particular artistic concern, articulated and supported by an artist's written statement. Artists may work in content in drawing, painting, printmaking, and/or mixed media that emphasizes line quality, rendering of form, composition, surface manipulation, and/or illusion of depth. Portfolios must show personal vision and artistic growth, mastery of visual art skills and techniques, and evidence of sophisticated analytical and problem-solving skills. Students are expected to be self-directed and to display readiness for high levels of critical thinking, research, conceptual thinking, and creative risk-taking.

8574 ADVANCED PLACEMENT ART DRAWING PORTFOLIO * (0104300)**

+Grade Level: 9-12

+Credits: 1

+Prerequisite: 2-D Studio Art II; Digital Art Imaging I; Visual Technology I; Portfolio Development Drawing Honors; **Portfolio Interview Required**

+Note: This course meets the Practical/Fine Arts requirement. A Portfolio Review is required through the Fine Arts Department.

This is a two-semester course. AP form due at Course Selection / Additional fee

The purpose of this course is to offer advanced students the opportunity to develop quality, concentration, discipline, and breadth in drawing. Students will develop skills in the perceptual and conceptual aspects of drawing and two-dimensional design while also improving their techniques of preparation, presentation, and evaluation of portfolio content. All students are required to take the AP exam.

8620 FILM I (0107410)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite:

+Note: **Offered during the summer only.** This course meets the Practical/Fine Arts requirement.

The purpose of this course is to provide opportunities for study and experience in the many aspects, roles, and careers associated with the film industry.

8005 CREATIVE PHOTOGRAPHY (0108310)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite:

+Note: This course meets the Practical/Fine Arts requirement.

This is a beginner-level course in which students are engaged to explore photography as an art form. Students will capture photography by applying compositional techniques and a variety of styles and themes widely used in the photography and film industries. Students learn how to transform and enhance their photographs with photo-editing software. Students view, discuss, critique, and reflect on the work of professional photographers. Students will leave this course with a portfolio of digital photography that demonstrates the spectrum of techniques explored.

5025 YEARBOOK I (8203001)

+Grade Level: 9-12

+Credits: 1

+Prerequisite:

+Note: This course meets the Practical/Fine Arts requirement.

The purpose of this course is to enable students to extend fundamental skills in the production of journalism across print, multimedia, web, and broadcast/radio platforms and to acquire knowledge of journalism history, ethics, and management techniques related to the production of journalistic media.

8078 MUSIC OF THE WORLD (1300340)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite:

+Note: This course meets the Practical/Fine Arts requirement.

Students explore the musical traditions of 20th and 21st-century American and global communities around the world through study of current trends, focusing on the function of music within various cultures (e.g., jazz, world drumming, mariachi, soul, gamelan, Bollywood, digital). Students examine and report on human activities involving music, including how music is influenced by culture and technology, and the sounds and structures of musical composition. Public performances may serve as a resource for specific instructional goals. Students may be required to attend one or more performances outside the school day to support, extend, and assess learning in the classroom.

8600 DRUMMING TECHNIQUES I (1302420)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite:

+Note: Performance required. This course meets the Practical/Fine Arts requirement.

The purpose of this course is to enable students to develop basic performance skills on various percussion instruments in a solo or small ensemble setting using varied high school literature. Performance techniques, music knowledge, critical analysis, and aesthetic response are emphasized.

8601 DRUMMING TECHNIQUES II (1302430)

+Grade: 9-12

+Credits: 1/2

+Prerequisites: Drumming Techniques I

+Note: This course meets the Practical/Fine Arts requirement.

This course will provide instruction in performance techniques with emphasis placed on techniques, music fundamentals, and listening skills. Students will evaluate and make appropriate adjustments to personal performance in solo and ensembles. Students will interpret and perform expressive elements indicated by the musical score and/ or the conductor. Students in this course continue to develop musical and technical skills through developmentally appropriate literature, etudes, scales, and exercises. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. This course may also require students to obtain musical equipment.

8004 INSTRUMENTAL ENSEMBLE (1302460)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite:

+Note: This course meets the Practical/Fine Arts requirement.

The purpose of this class is to develop basic musicianship and ensemble performance skills through the study of basic, high-quality music in diverse styles. Student musicians focus on

building foundational music techniques, music literacy, listening skills, and aesthetic awareness. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school and may be required to obtain a musical instrument/mouthpiece.

8015 MUSIC TECHNOLOGY AND SOUND ENGINEERING I (1304300)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite:

+Note: This course meets the Practical/Fine Arts requirement.

The purpose of this course is to explore the fundamental applications and tools of music technology and sound engineering. As they create and learn its terminology, students also learn the history and aesthetic development of technology used to capture, create, and distribute music. Public performances may serve as a resource for specific instructional goals. Students may be required to attend performances outside the school.

8016 MUSIC TECHNOLOGY AND SOUND ENGINEERING II (1304310)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisites: Music Technology and Sound Engineering I

+Note: This course meets the Practical/Fine Arts requirement.

This course will enable students to apply performance, composing, and arranging techniques with the use of computers and MIDI instruments. The student will demonstrate appropriate knowledge of interfacing computers with instruments (MIDI) and perform various styles and idioms. Students build on previous experience with fundamentals of music technology and sound engineering to integrate their knowledge of traditional musical elements with past and current technologies used to capture, create, mix, and present music. Students explore the creative and aesthetic implications of music technology and sound engineering through class work. Public performances may serve as a resource for specific instructional goals. Students may be required to attend one or more performances outside the school day to support, extend, and assess learning in the classroom.

8051 VOCAL TECHNIQUES I (1303400)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisites:

Note: This course meets the Practical / Fine Arts requirement.

Students in this entry-level class focus on the development of musical and technical skills on a specific voice through etudes, scales, and selected music literature. Through problem solving, critical thinking, and reflection, students develop the physical and cognitive skills to become more disciplined performers. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and / or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

8301 KEYBOARD I (PIANO TECHNIQUES) (1301360)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisites:

Note: This course meets the Practical / Fine Arts requirement.

Students build fundamental piano techniques while learning to read music, acquire and apply knowledge of basic music theory, and explore the role of keyboard music in history and culture. Beginning pianists develop skills in analytical, listening, and explore musical creativity in the form of basic improvisation and basic composition. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and / or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

8081 GUITAR I (1301320)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisites:

Note: This course meets the Practical / Fine Arts requirement.

Students with little or no experience develop basic guitar skills and knowledge, including simple and full-strum chords; bass lines and lead sheets; barre and power chords; foundational music literacy and theory; major scales; simple finger-picking patterns; and ensemble skills for a variety of music. Beginning guitarists explore the careers and music of significant performers in a variety of styles. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and / or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. This course may also require students to obtain a musical instrument, either by purchasing, renting, or borrowing one from an outside source.

8100 INTRODUCTION TO DRAMA (0400300)

+Grade Level: 9-12

+Credit: 1/2

+Prerequisite:

+Note: Performance required. This course meets the Practical/Fine Arts requirement.

The purpose of this course is to enable students to develop fundamental skills in the multiple elements of theatre as a collaborative art. The content should include, but not be limited to, the following: acting and characterization; movement and vocal production; pantomime and improvisation; theatre terminology; script elements; theatre history and influences; playwriting; theatre production; artistic discipline; audience etiquette; roles and careers in theatre arts; and relationships between theatre arts and other subject areas.

8020 THEATRE II (0400320)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite: Intro to Drama

+Note: Performance required. Students will be required to actively participate in one of the program's semester productions. This course meets the Practical/Fine Arts requirement.

The purpose of this course is to enable students to develop basic skills in the multiple elements of theatre as a collaborative art. The content should include, but not be limited to, the following: acting and characterization; movement and vocal production; pantomime and improvisation; theatre terminology; script elements; theatre history and influences; playwriting; role of the director; theatre production; artistic discipline; audience etiquette; roles and careers in theatre arts; and relationships between theatre arts and other subject areas.

8102 THEATRE III HONORS ** (0400330)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite: Theatre II

+Note: This course meets the Practical/Fine Arts requirement.

This course is designed for students with significant experience in theatre, and promotes depth of engagement and lifelong appreciation for theatre through a broad spectrum of teacher-assigned and self-directed study and performance. Students regularly reflect on aesthetics and issues related to and addressed through theatre, and create within various aspects of theatre in ways that are progressively more innovative. In keeping with the rigor expected in an accelerated setting, students assemble a portfolio that showcases a significant body of work representing personal vision and artistic growth over time; mastery of theatre skills and techniques in one or more areas; and evidence of significant oral and written analytical and problem-solving skills based on their structural, historical, and cultural knowledge.

8021 THEATRE DIRECTION (0400500)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite: Instructor appointment; student must have performed in at least two Mainstage plays and have been part of a stage crew in at least one Mainstage or One Act play.

+Note: After-school rehearsals may be required and various performances will be mandatory both during and outside of school time. This course meets the Practical/Fine Arts requirement.

This advanced course will involve the production of a complete one-act play from script selection to final performance as well as allow the student to serve as a director and coach for other theatre students. Those selected for Advanced Directing will be scheduled to direct scenes and monologues for the district competition. Students utilize teacher-student contract packets to set deadlines, achieve goals, and showcase both their talent and the talent of those they work with.

8103 STAGE MANAGEMENT (0400410)

Grade Level: 10-12

Credits: 1/2

Prerequisite: Theatre II

Note: This course meets the Practical/Fine Arts requirement

This course is designed for students to learn how to select, organize, and mount formal and informal staged productions by means of exploring the leadership roles of director and stage manager. Students focus on the nature and responsibilities of the director and stage manager in relation to the entire production team.

8140 SPEECH I (1007300)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite:

+Note: NCAA Approved/This course meets the Practical/Fine Arts requirement.

The objective of this class is to be able to effectively deliver a speech, using proper diction and terminology, including the following: speech preparation, correct use of the English language, verbal and nonverbal messages or signals, proper vocal projection, critical and creative self-analysis, and connections between speech and other subject areas. Students are required to attend a minimum of 1 tournament during the course.

8470 DEBATE I (1007330)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite:

+Note: NCAA Approved/This course meets the Practical/Fine Arts requirement.

Students will be introduced to and familiarized with the concepts of academic educational debating carried out in high school debate competition. Students are provided opportunities to research, gather, and organize evidence, and translate evidence into meaningful arguments. Areas of study include analysis of a variety of topics: debate theory, philosophy, research, organization of evidence, case construction, speaking techniques, and persuasion. Students will participate and practice debates and drills in preparation for competitive debate. Students are required to attend a minimum of 1 tournament during the course.

8560 DANCE TECHNIQUES I (0300310)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite:

+Note: Performance required. This course meets the Practical/Fine Arts requirement.

The purpose of this course is to enable students to develop basic knowledge and skills in varied dance styles through acquisition of technique, choreographic skill, aesthetic awareness, and performance quality within a cultural and historical context.

8022 DANCE TECHNIQUES II (0300320)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite: Dance I

+Note: Performance required. This course meets the Practical/Fine Arts requirement.

The purpose of this course is to enable students to develop intermediate-level knowledge and skills in varied dance styles through acquisition of technique, choreographic skill, aesthetic awareness, and performance quality within a cultural and historical context.

5023 FOUNDATIONS OF ROBOTICS HONORS ** (9410110)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite:

+Note: This course meets the Practical/Fine Arts requirement.

This is a hands-on introductory engineering course featuring a project-based approach to identify, formulate, and solve engineering problems. The objective of this course is to introduce students to the basic concepts of robot design and programming using the VEX V5 robotics system. Students will work in teams to design, build, and test increasingly more complex robots. Students will apply what they have learned through a series of exciting and challenging robot competitions.

5010 ROBOTICS DESIGN ESSENTIALS HONORS ** (9410120)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite: Foundations of Robotics Honors

+Note: This course meets the Practical/Fine Arts requirement.

This course provides a more in-depth study of the concepts of robot design including systems, subsystems, and specialized sensors. Using the state-of-the-art VEX V5 robot platform and VEX code programming software, students will gain valuable experience in the technology design process as they plan, design, construct, and program solutions to a variety of dynamic and challenging engineering projects. Throughout the course, students will be actively engaged in the integration and application of technological systems, engineering concepts, scientific methodologies, and 3D modeling.

5024 GAME AND SIMULATION FOUNDATIONS HONORS ** (8208110)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite:

+Note: This course meets the Practical/Fine Arts requirement.

This course is designed to introduce game and simulation concepts and careers, the impact game and simulation has on society and industry, and basic game/simulation design concepts such as rule design, play mechanics, and media integration. This course compares and contrasts games and simulations, key development methodologies and tools, careers, and industry-related information. This course also covers strategies, processes, and methods for conceptualizing a game or simulation application, storyboarding techniques, and development tools. Hands-on activities using an entry-level game development tool such as Game Maker will be integrated

into the curriculum. Regardless of topic sequencing, the culminating activity is the creation of a playable game.

5021 COMPUTER FUNDAMENTALS 9003410)

+Grade Level: 10-12

+Credits: 1/2

+Prerequisite: Algebra II

+Note: This course meets the Practical/Fine Arts requirement.

This course is intended to introduce students to programming microcontrollers (Arduino) within the context of programming methodology, algorithms, and data-structures. Students will learn to code effectively in a well-structured fashion using a C/C++ language. Students will explore electrical engineering topics such as electrical components, circuitry, schematics, and Ohm's Law. Students may collaborate and share their solutions with their peers. Students will use components such as LEDs, diodes, and resistors in their circuitry.

5022 MULTIMEDIA TECHNOLOGIES (9003470)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite:

+Note: This course meets the Practical/Fine Arts requirement.

This course is intended to extend students' programming skills with microcontrollers (Arduino) within the context of project-based assignments. Students will extend their knowledge of microprocessors with communications, analog and digital transmission, and interfacing with other microcontrollers and sensors. Communication may include Bluetooth, Wi-Fi, and network protocols. Students will use passive and/or active components in their circuitry. In groups, students should create a capstone project that focuses on a current issue.

5019 COMMUNICATIONS TECHNOLOGY I (8601010)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite:

+Note: This course meets the Practical/Fine Arts requirement.

This course (formerly Television Production I) introduces students to various aspects of modern-day communications technology specifically in the area of video production, including, but not limited to, writing, camera operation, and editing. Communications Technology I is a project-based class with an emphasis on teamwork and collaboration with fellow students. Students are taught the areas of studio operation, safety, media research, lighting, audio and video editing, and on-air presentation. The course is designed to expose students to the technology being used in the communications field so that they gain hands-on experience with modern-day software and technology and learn about all aspects of what goes into creating. By the completion of the course, students will have rotated through and gained basic knowledge in all roles such as writer, talent, camera operator, editor, director, as well as multiple positions on the crew, as it pertains to sound, lighting, and the control room and produce a portfolio by course completion on all projects they were involved in.

5262 BUSINESS & ENTREPRENEURSHIP PRINCIPLES HONORS ** (8812110)

+Grade Level: 9-12

+Credits: 1/2

+Note: This course meets the Practical/Fine Arts requirement.

This is a survey course in the principles underlying the management of all types of organizations, including objectives, policies, organization structure, coordination, control procedures, and environmental issues. Case studies are used extensively.

5008 FINANCE AND BUSINESS TECHNOLOGY HONORS** (8815150)

+Grade Level: 9-12

+Credits: 1/2

+Note: This course meets the Practical/Fine Arts requirement.

The main purpose of this course is to provide practical and generic financial skills regarding money management, wise credit decisions, saving and investing money, and wise use of consumer protection agencies. The content is designed to enable students to demonstrate proficiency in practical financial management activities, use of a calculator in everyday living situations, and the performance of selected generic skills used in general business procedures.

7131 PSYCHOLOGY (2107300)

+ Grade Level: 9-12

+Credits: 1/2

+Prerequisite: Biology

+Note: NCAA Approved/This general elective course does not meet the Practical/Fine Arts requirement.

This is a survey course of general theories in human behavior that gives students an introduction to Psychology as a social science. We will study various psychological concepts including, but not limited to, consciousness, creativity, personality, cognitive development, social behavior, and the connection between biology and behavior.

4100 BEGINNING WEIGHT TRAINING (1501340)

+Grade Level: 9-12

+Credits: 1/2

+Note: This course meets the Physical Education requirement for graduation. This physical education elective course does not meet the Practical/Fine Arts requirement.

The curriculum is designed to assist serious student-athletes who wish to enhance their knowledge of fitness conditioning and the strategies and skills that can enhance muscular strength and muscular endurance needed in their sport or activity. All students will go through pre-, post-, and intermittent evaluations of their strength, power, muscular endurance, agility, speed, and flexibility. Students may use training principles prescribed by their coach or those developed through the collaborative efforts of the teacher and student. Students are required to dress appropriately in sneakers, shorts, and school t-shirt. keep daily records, and perform teacher-assisted self-evaluations every three weeks.

4152 SPORTS MEDICINE: CARE & PREVENTION OF ATHLETIC INJURIES ***

(1502490)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite: 70+ in Biology

+Note: This course meets the Physical Education requirement for graduation.

This physical education elective course does not meet the Practical/Fine Arts requirement.

Dual Enrollment Eligible/ Registration and additional fee required for Dual Enrollment credit (Sports Medicine PET2302): **Offered during the summer only.**

The purpose of this course is for the student to acquire knowledge and skills relating to the nature, prevention, care, and rehabilitation of athletic injuries. The content includes, but is not limited to, injury prevention, identification, management, and rehabilitation; anatomy and physiology; and career opportunities in sports medicine.

4101 TEAM SPORTS I (1503350)

+Grade Level: 9-12

+Credits: 1/2

+Note: This course meets the Physical Education requirement for graduation. This physical education elective course does not meet the Practical/Fine Arts requirement.

The purpose of this course is to teach students the physical skills necessary to be competent in many forms of movement; knowledge of team sports concepts such as offensive and defensive strategies and tactics; and appropriate social behaviors within a team or group setting. The integration of fitness concepts throughout the course content is critical to its effectiveness.

9035 ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES * (0200335)**

+Grade Level: 9-12

+Credits: 1

+Prerequisite: Algebra I

+Note: AP form due at Course Selection / Additional fee / This general elective course does not meet the Practical/Fine Arts requirement.

The AP Computer Science Principles course is designed to be equivalent to a first- semester introductory college computing course. In this course, students will develop computational thinking skills vital for success across all disciplines, such as using computational tools to analyze and study data, and working with large data sets to analyze, visualize, and draw conclusions from trends. The course engages students in the creative aspects of the field by allowing them to develop computational artifacts based on their interests. Students will also develop effective communication and collaboration skills by working individually and collaboratively to solve problems, and will discuss and write about the impacts these solutions could have on their community, society, and the world. All students are required to take the AP exam.