

ST. PIUS X CATHOLIC HIGH SCHOOL
Atlanta, Georgia



COURSE CATALOG
2015-2016

as of
April 29, 2015

MISSION STATEMENT

St. Pius X, an archdiocesan high school, provides a college preparatory education for the formation of the mind, body and spirit of each student in accordance with the teachings of the Catholic Church.

ST. PIUS X CATHOLIC HIGH SCHOOL GRADUATION REQUIREMENTS

<u>Credits</u>	<u>Subject</u>	
4	Theology	<i>NOTE: Each semester equals .5 credit at St. Pius X</i>
4	English * +	
	<i>Required Classes</i>	English I Literature and Composition English II Literature and Composition American Literature/College Writing British Literature/College Writing
2	Foreign Language * +	<i>NOTE: Must be in one language</i>
4	Mathematics * +	Algebra I Geometry Algebra II At least one course beyond Algebra II
4	Science * +	
	<i>Required Classes</i>	Biology Chemistry Physics One Science Elective <i>NOTE: AP science classes not used for required fulfillment may be used as an elective</i>
3	Social Studies * +	
	<i>Required Classes</i>	World History United States History American Government (.5 credit) Economics (.5 credit)
1	Physical Education	
	<i>Required Classes</i>	Personal Fitness (.5 credit) Health (.5 credit)
.5	Computer Applications	<i>NOTE: Must be taken during first year of attendance at St. Pius X</i>
1.5	Electives	
24	TOTAL CREDITS required for Graduation	

Students must also participate in the Works of Mercy Apostolic Program each year at St. Pius X. Seniors who fail to complete the required Works of Mercy will not be allowed to walk at graduation. See complete Works of Mercy requirements on page 8.

- * Denotes core academic area
- + AP Courses may be taken in place of equivalent required courses



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COURSE CATALOG INFORMATION

Levels of Instruction

The St. Pius X curriculum is a rigorous college-preparatory curriculum designed to prepare all students for entry and success in the collegiate setting. St. Pius X offers courses at multiple levels: College Preparatory (CP), College Preparatory Accelerated (CPA), Honors (H), and Advanced Placement (AP). Each level of instruction challenges the students with similar goals and objectives while incorporating various teaching and learning styles to meet student needs, to develop critical thinking skills, and to promote independence in learning.

- **College Preparatory (CP)**

These courses are designed to meet the needs of students enrolled in a college-preparatory curriculum.

- **College Preparatory Accelerated (CPA)**

These courses are designed to meet the needs of students enrolled in a college-preparatory curriculum, who can complete tasks with greater independence, and who have a demonstrated level of aptitude and achievement.

- **Honors (H) /Advanced Placement (AP)**

These courses are designed to meet the needs of students who are qualified for an advanced college-preparatory curriculum and who work with greater independence and a demonstrated high level of aptitude and achievement. Students should anticipate an average of one hour of homework per night per class.

- **Advanced Placement (AP)**

Courses labeled AP include an 8-point addition in the final numeric average provided this average is a 70% or greater. In the case of a failing grade, the student will not be awarded the 8-point addition. AP courses also require a fee of \$94 per course for the AP exam. Students enrolled in AP course(s) are required to take the AP exam(s) in May.

Student placement in any subject will be based on the student's aptitude, performance in that course of study, and teacher recommendations. Students are invited by departments to participate in AP and Honors courses based on their demonstrated ability, skills, work habits, and motivation. Students enrolled in AP and Honors courses who do not continue to demonstrate these qualities will have their invitations withdrawn from the programs.

Grade Scale

St. Pius X issues numeric grades to its students. The grade interpretations are as follows:

90 – 108	A
80 – 89	B
74 – 79	C
70 – 73	D
Below 70	F
INC	Incomplete

If work is not completed within two weeks after the semester ends, the Incomplete becomes a numeric grade. In extenuating circumstances, a student may appeal for a time extension to a committee composed of the Dean of Academics and the Dean of Students.

Scheduling

Students are expected to carry a minimum of six courses. Freshman and sophomore students normally carry seven; junior and senior students carry six or seven. All students are required to have lunch as part of their schedule.

Students are expected to make their final course selections during registration in the spring. Based on those requests, teachers are assigned, classes are balanced, and books are purchased. Once the final schedules have been distributed, requests to change electives or drop a one-semester elective course for a study hall or unassigned period will not be honored.

Parent/student requests for a particular teacher will not be honored by the Academics Department.

Occasionally, extenuating circumstances require a student's schedule to be revisited. Course change requests must have the approval of the teacher and the Department Head, after which it is subject to final approval of the Dean of Academics. Approval of schedule changes is at the discretion of the Dean of Academics and should not be expected to be honored.

Although student requests are taken into consideration during scheduling, elective choices are not guaranteed. Elective courses are subject to cancellation due to low enrollment.

Credit Awarded

Full year courses are labelled (Y); semester long courses are labelled (S). A full credit is awarded for successful completion of a full year course and a half credit is awarded for successful completion of a one semester course or of one semester of a full year course.

Once the academic year has started, courses may be dropped ONLY when the Dean of Academics deems this action advisable. Such withdrawals may carry a grade of "WF".

Students are expected to take any full year course for the entire year and may not drop the course at semester end except in extraordinary circumstances. This applies to both core and elective courses.

Students may take no more than one non-credit course per academic year. Work Study will replace one semester of elective credit.

Credit Recovery

In the event that a student does not pass a course required for graduation, credit recovery outside of St. Pius X is required. Theology courses are an exception to this general regulation; credit(s) for Theology must be recovered at St. Pius X prior to graduation. Registration for credit recovery courses must have the approval of the Dean of Academics, and students may register for no more than two (2) courses for credit recovery over the summer months. Students who enroll in a distance learning program for credit recovery must earn a grade of "C" or better, based on the St. Pius X grading scale as stated above, in all coursework in order to receive credit from St. Pius X Catholic High School.

Failure to recover credit in summer school and provide verification of successful completion by the first full school day of the following academic year results in a student being "off-track" to graduate and therefore subject to dismissal.

Graduation

Only students who have fulfilled both academic and works of mercy graduation requirements will be permitted to participate in the graduation exercises. Seniors who reach their May graduation date needing more than three course credits (to be completed in summer school or an alternate setting) will not receive a St. Pius X diploma.

Students who fail to earn the minimum credit requirement in eight semesters and four summer school sessions may be granted one additional semester during the regular school year to make up their unearned credits. If the students do not earn the required credit during that time, they will be dropped from enrollment and be ineligible for a St. Pius X diploma.

SPECIAL NOTICES FOR FOREIGN LANGUAGE COURSES

Teacher Recommendations for Honors, AP, and Other Upper Level Courses (Level 3 and Above)

Teacher recommendations and discussion within the department will determine the final placement in all courses, including honors, AP, and other upper level courses. Teacher recommendations are based on demonstrated interest in learning, a strong work ethic, a grade of A or B+ in the previous course, and intermediate to advanced speaking skills in the target language. Lack of a recommendation can result in a student moving down a level and/or not being allowed to continue in the language. The department will review all placements during the spring semester to determine whether students have continued to demonstrate the ability, skills, work habits, and motivation that justified the original placement. Appropriate adjustments will be made at that time.

Information for Heritage Learners and Bilingual Students

Students whose native language is not English, those who are bilingual to some degree in a language other than English, and heritage learners must take a placement test in their second language to ensure placement in the appropriate Foreign Language course. Placement will be based on both fluency and literacy.

Students who are both bilingual and biliterate (can both read and write in Spanish or French) may be referred to another language to meet the Foreign Language requirement for graduation in the state of Georgia. Placement of biliterate students will be left to the discretion of the department and will be based on the results of the placement test.

Heritage learners, bilingual students, and biliterate students who do not wish to take a class in their second language may take a course in another language without a placement test.

SPX ACCEPTABLE DEVICES FOR MANDATORY BYOD (BRING YOUR OWN DEVICE) COURSES

All students are encouraged to bring their own device(s) to school for use in their classes. Some courses will be designated as mandatory BYOD. Any course requiring a student to BYOD will be specified in the course description. Any student enrolled in one of these courses must bring a device which meets the specifications below to class each day. The device must be charged and ready to use.

Students will be expected to bring a device that allows them to access the web, take notes, and interact with an eTextbook (depending on the class) at the very least. Devices with a screen size of 10 inches or greater are highly recommended though screen sizes as low as 7 inches will be allowed. Students will connect to the SPX wireless network and will not use 3G/4G/LTE connections at school.

Acceptable Laptop Devices

- Processor - i5 or equivalent
- Windows (running Windows 7 or higher)
- Mac (running OS X 10.7 or higher) with Chrome browser installed
- Chromebook (running Chrome OS 31 or higher)

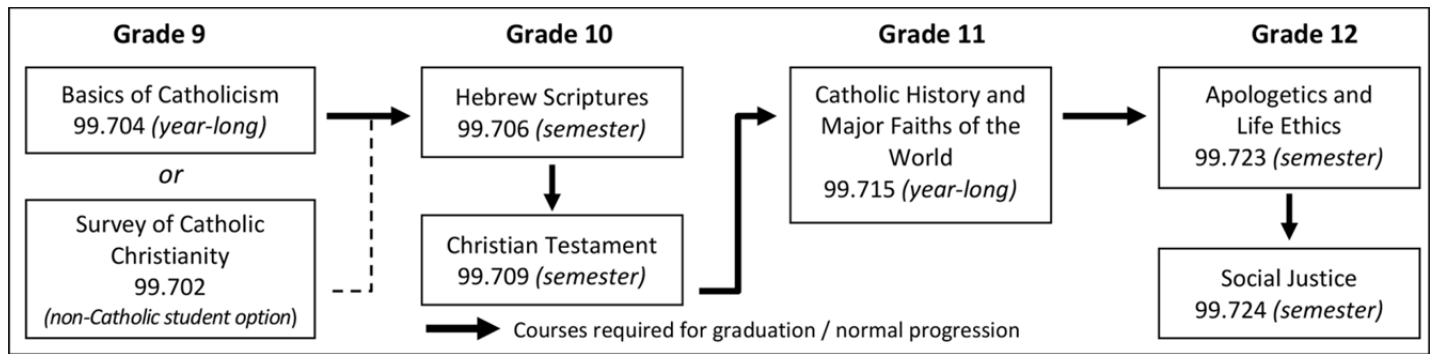
Acceptable Tablet Devices (an attachable keyboard is highly recommended)

- Apple iPad (running iOS 7 or higher)
- Android-based tablet (running Android 4.0 or higher, with access to Google Play Store) - Google Nexus or Samsung Galaxy tablets are recommended
- Windows-based tablet (running Windows 8 or higher)

Examples of Unacceptable Devices (do not meet the specifications above and may not be used in mandatory BYOD classes):

- Devices with a screen size less than 7 inches (including but not limited to cell phones)
- Amazon Kindles
- Barnes and Noble Nooks

THEOLOGY



Grade 9

990000704 Basics of Catholicism CP (Y)

This course provides an objective survey of basic beliefs and faith in God. It presents key concepts in order to provide a common vocabulary, which will make future religion courses more understandable. The complete course represents Catholic dogma and doctrine regarding the Trinity, Scripture, as well as our sacramental and moral life in Christ. The second part of the course, taught in the spring, provides an in depth examination of our moral life by focusing on the call to holiness accomplished through a positive understanding of the Ten Commandments and the Beatitudes.

990000702 Survey of Catholic Christianity CP (Y)

Optional replacement for Basics of Catholicism CP

For students who have not had religion presented as a curriculum course or who have not attended a parish program after fifth grade (middle school).

This course is an overview of the Catholic Church through the lens of history and Church Tradition designed to share the richness of our 2000 year old faith and the working of the Holy Spirit through Church Tradition. Topics will include: understanding the Catholic Mass, the seven sacraments as the life of the Church, tradition and scripture, and the Church structure.

Grade 10

990000706 Hebrew Scriptures CP (S)

This course involves historical and theological overviews of the Hebrew Bible. The course is a study of the People of the Covenant and their relationship with God. Themes covered include creation, the patriarchs, the Mosaic Law, the rise and fall of the Kingdom of Israel, the prophets, worship, and sacrifice. The course teaches students that the Hebrew Scriptures are the biblical roots of Christianity. The course approaches the teaching and interpretation of Scripture from the *Catechism of the Catholic Church*.

990000709 Christian Testament CP (S)

The Church's understanding of Jesus is at the heart of everything that Catholics believe in, do, and are, as persons of faith. The Christian Testament together with the living faith tradition of the Church provide the basis for the Catholic Christian Faith. This course teaches the scriptural roots of our faith as found in the Gospels, Acts of the Apostles, and letters of Paul. This course also invites the students to grow in their love and understanding of the Christian Testament and of Jesus Christ of History who is also the Christ of Faith.

Grade 11

990000715 Catholic History and Major Faiths of the World CP (Y)

This course examines the complex history of the Catholic Church in the world, from its beginnings to the 20th century. At the same time, taking its cue from Vatican II's document "*Nostra Aetate*," the course chronicles the Church's encounters with major faith traditions, both Christian and non-Christian. From a historical-critical approach students will learn about Judaism and Islam in the first semester and Hinduism, Buddhism, and select Protestant denominations in the second semester. These traditions will be treated objectively, while at the same time comparatively noting the distinctiveness of the Catholic faith.

Grade 12

990000723 Apologetics and Life Ethics CP (S)

Apologetics is the part of theology which explains what believers think and how they act in the world on those beliefs. This component seeks to help students understand the reasonableness of faith. By using the tools of philosophy and storytelling, students come to know the plausibility of faith. The Life Ethics component explores contemporary issues such as abortion, euthanasia, and scientific advances, in light of Catholic teaching concerning the dignity of human life.

990000724 Social Justice: Catholic Social Teaching and Christian Vocations CP (S)

This course examines how we live God's plans with others. It takes into account that what we do as individuals affects the world around us. The course also examines the roots of justice in Scriptures and in Vatican documents. The Christian Vocations component addresses God's plan for each of us. It helps students consider how they are people of faith in the world. Students will examine how they might discern God's plan and respond to God's call in their lives.

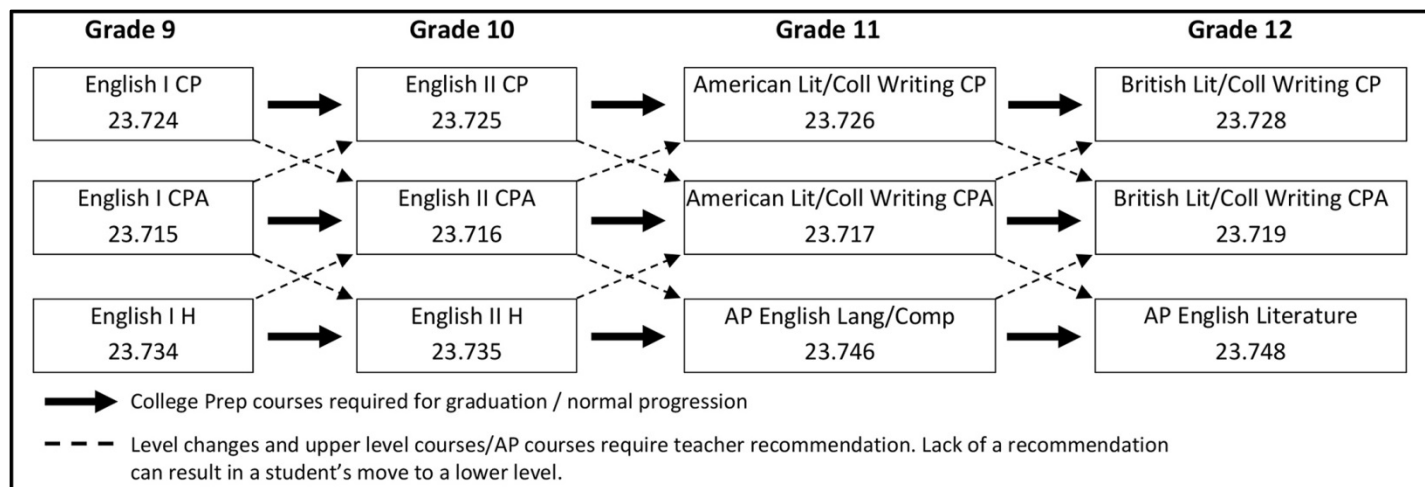
Works of Mercy Requirement

All students will have the opportunity for Christian growth and development of Catholic values. Students must complete five (5) Apostolic Projects per year. Each project must be no fewer than two (2) hours in length. Of the five projects, at least three (3) must be from the Works of Mercy list found on the spx.org website. The remaining two projects are the choice of the student but must be approved by Campus Ministry.

Failure to meet the requirements of the program will be reflected in a 10-point deduction from the second semester Theology grade. In addition, Freshmen, Sophomores, and Juniors who do not complete the requirement will not be allowed to be out of uniform on any day for the following school year.

Seniors who do not complete the requirement will not be allowed to walk at the graduation ceremony.

ENGLISH



English I Literature and Composition

Required of students in grade 9

230610715 **English I Literature and Composition CPA (Y)**

230610724 **English I Literature and Composition CP (Y)**

For the student who has strong language arts skills, this course develops reading ability and introduces literary terms describing elements of the short story, novel, poetry, and drama. Writing instruction emphasizes sentence maturity, paragraph development, and essay introduction. To enhance reading comprehension, vocabulary is studied. Grammar study includes recognition of parts of speech and analysis of sentence structure.

230610734 **English I Literature and Composition H (Y)**

Department approval required

This course is designed for the student who demonstrates a high degree of language arts skill. Literature study emphasizes the genres: poetry, short stories, novels, plays, epic poetry, and an in-depth study of Greek mythology. Students will learn to read critically and analytically while appreciating language. Writing instruction emphasizes literary analysis, focusing on organization of an argument, style, and mechanics. Grammar study is thorough, and vocabulary study builds on etymology.

English II Literature and Composition

Required of students in grade 10

230620716 **English II Literature and Composition CPA (Y)**

230620725 **English II Literature and Composition CP (Y)**

This course provides wide reading in world literature, organized around both literary genres and universal themes. Outside novels, plays, and poetry are read throughout the year with an emphasis on critical thinking skills. Writing includes narrative, descriptive, expository, and persuasive paragraphs and essays in MLA format; skills in literary analysis and research are developed. A short research paper using MLA guidelines is required. Grammar and vocabulary are studied.

230620735 **English II Literature and Composition H (Y)**

Department approval required

This course is designed for the student who demonstrates a high degree of language arts skill. It emphasizes the critical analysis of a variety of literary selections in preparation for the AP English classes in the junior and senior years. This class provides wide reading in world literature, organized around essential questions, themes, and literary genres. Writing includes narrative, descriptive, expository, and persuasive essays; creative, critical, and research skills are developed. A short research paper using MLA guidelines is required. Grammar and vocabulary are studied.

230510717 American Literature/College Writing CPA (Y)**230510726 American Literature/College Writing CP (Y)**

This course is a survey of the themes of many writers of American literature drawn from varied traditions. Students write expository and argumentative essays on literary and general topics; creative writing is included. Critical thinking, research, and writing skills continue to be developed. A review of grammar and a study of vocabulary are part of the curriculum.

230430746 Advanced Placement English Language and Composition (Y)*Department approval required*

Students in this college-level course will have previously demonstrated strong writing and analytical skills. Students explore the standard American literature curriculum with an emphasis on how language works and the rhetorical choices writers make. Major American authors, outside novels, plays, and non-fiction prose are analyzed in depth with extensive expository and persuasive writing on literary topics. Creative writing is also included, as are vocabulary study and a review of grammar and usage as necessary. Students are required to take the AP English Language exam in May.

British Literature/College Writing

Required of students in grade 12

230520719 British Literature/College Writing CPA (Y)**230520728 British Literature/College Writing CP (Y)**

This course combines major works of English literature with a development of more mature writing skills. Writing includes techniques of exposition, argumentation, and literary criticism with attention to mechanics and usage. Students practice writing personal essays; the goal is to develop clear expression and logical organization. Students read and analyze plays and outside novels; vocabulary study is also part of the curriculum.

230650748 Advanced Placement English Literature and Composition (Y)*Department approval required*

This course has been designed for the student who has acquired skill in analyzing literature and writing well and who wishes to attempt to receive college credit through the AP exam. The course includes a study of major British writers, outside novels and plays, critical writing, research, and creative writing. Students are required to take the AP exam in May.

Electives**230510719 Film and Literature: The Classics CP (S)**

Offered to students in grade 12

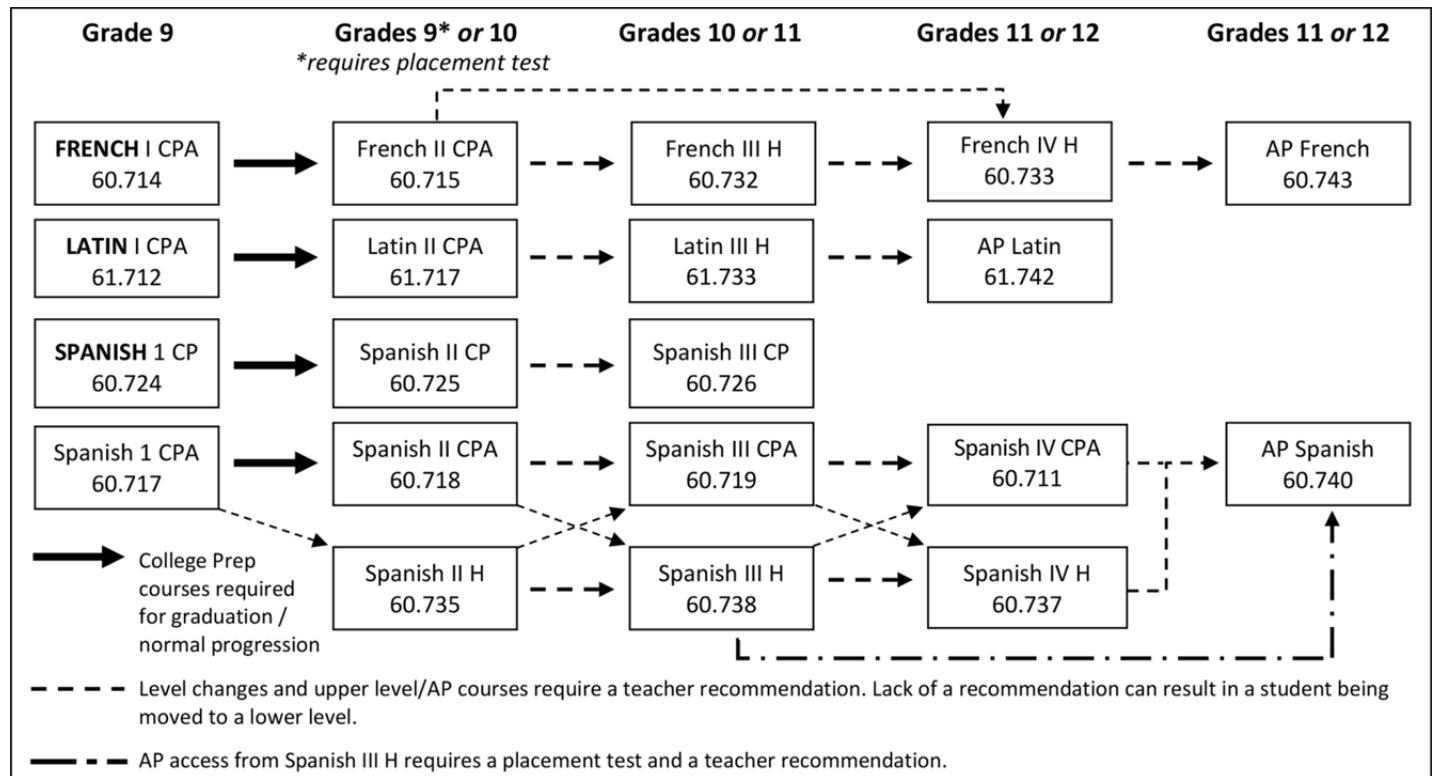
Department approval required

Significant films and literary works are studied for their narrative, dramatic, and cinematic value. This course combines the art of fiction and the art of cinema to encourage students to read, write about, and observe classic works of literature which have been translated into film. Outside reading, research, writing, and group film projects are part of the curriculum.

See also Journalism, page 30

FOREIGN LANGUAGE

NOTE: See Special Notice on page 6 regarding Teacher Recommendations and Heritage/Bi-lingual Speakers



Latin

610410712 Latin I CPA (Y) **Offered to students in grades 9, 10, 11, 12**
Latin I CP (Y)

This course is an introduction to the Latin language and Roman culture. Students learn Latin using a reading comprehension approach and study the influences of the language and ancient Roman culture on later civilizations. Culture, vocabulary, derivatives, mythology, and other elements of the Roman world and Latin language are also covered throughout the year. Students also begin to develop writing skills in Latin and in English.

610420717 Latin II CPA (Y) **Offered to students in grades 9, 10, 11, 12**
Department approval required

Using a reading comprehension approach, students continue their studies of the Latin language and ancient Roman culture. Students build upon skills and knowledge from Latin I and continue their studies of vocabulary, derivatives, mythology, and other elements of the Roman world and Latin language throughout the year. Students also continue developing their writing skills in Latin and in English.

610430733 Latin III H (Y) **Offered to students in grades 11, 12**
Department approval required

Using a reading comprehension approach, students continue their studies of the Latin language and ancient Roman culture. Students then are introduced to more advanced Latin through the study of classical writers. This course is designed for students who are able to progress more rapidly. Students begin more in-depth study of Roman history and literature, reading ancient Roman authors and responding to readings in essays. This course serves as a transition to AP Latin and more extensive study of classical Latin literature.

610470742 Advanced Placement Latin (Y)
Department approval required

Offered to students in grades 11, 12

This course is designed for self-motivated students committed to serious study in Latin, focusing on the authors Vergil and Caesar. A prescribed course of study including advanced grammar topics, advanced sight reading exercises, advanced reading comprehension exercises, free-response essay writing, and advanced translation will be presented in order to prepare the student for the Advanced Placement exam. All students are required to take the AP exam. College credit may be awarded on the basis of the evaluation and the particular college or university policies.

French

600110714 French I CPA (Y)

Offered to students in grades 9, 10, 11, 12

This introductory course in French language and culture is based on a multi-media approach. Real-life situations presented in authentic French help the student acquire developing of communicative proficiency in various contexts as well as cultural awareness and appreciation. Technology is fully implemented and audio and print materials serve to build and reinforce listening comprehension, speaking, reading, and writing skills. The course is taught mostly in French.

600120715 French II CPA (Y)

Offered to students in grades 9, 10, 11, 12

Department approval required

This multi-media course continues the study of French language and culture on an intermediate level. Students communicate in French during class. Emphasis is placed on communicative proficiency (listening, speaking, and writing) as well as interpretive proficiency (reading); students engage in regular group discussions in French as well as routine oral interviews with the teacher. Technology is fully implemented and audio and print materials serve to build and reinforce listening comprehension, speaking, reading, and writing skills. The course is taught mostly in French.

600130732 French III H (Y)

Offered to students in grades 10, 11, 12

Department approval required

This is a culture-based course using practical vocabulary to discuss daily activities. Audio and print materials serve to reinforce listening, reading comprehension, and to increase writing proficiency. Each unit presents new grammar concepts that the students master through use in the context of the new vocabulary. The course is taught in French, and the students communicate in that language.

600140733 French IV H (Y)

Offered to students in grades 11, 12

Department approval required

This course addresses the needs of advanced students of French. It is a comprehensive, multiple-approach course that provides an in-depth view of the French-speaking world, as well as its culture and civilization, by means of a systematic introduction to French history and literature. Grammar previously studied is reviewed and expanded upon with a view to strengthening the students' language skills. This course is a pre-requisite for students who wish to enroll in AP French.

600170743 Advanced Placement French Language and Culture (Y)

Offered to students in grade 12

Department approval required

This course is designed for self-motivated students committed to serious study in French. A prescribed course of study including advanced grammar topics, advanced listening comprehension exercises, advanced reading comprehension exercises, and advanced spoken practice will be presented in order to prepare the student for the Advanced Placement exam. All students are required to take the AP exam. College credit may be awarded on the basis of the evaluation and the particular college or university policies.

Spanish

600710717 Spanish I CPA (Y)

Offered to students in grades 9, 10, 11, 12

600710724 Spanish I CP (Y)

Spanish I offers students an introduction to Spanish vocabulary, grammar, syntax, and culture. Real-life situations presented in authentic Spanish help the student acquire beginning to intermediate levels of communicative proficiency in various contexts as well as cultural awareness and appreciation. Technology is implemented, and audio and print materials serve to build and reinforce listening comprehension, speaking, reading, and writing skills. The course implements a communicative language approach and is taught mostly in Spanish.

600720718 **Spanish II CPA (Y)** Offered to students in grades 9, 10, 11, 12
600720725 **Spanish II CP (Y)**
Department approval required

Spanish II continues a more thorough study of Spanish vocabulary, grammar, syntax, and culture. Real-life situations presented in authentic Spanish help the students acquire intermediate communicative proficiency in various contexts. Technology is implemented, and audio and print materials serve to build and reinforce intermediate listening comprehension, speaking, reading, and writing skills. The course is taught mostly in Spanish.

600720735 **Spanish II H (Y)** Offered to students in grades 10, 11, 12
Department approval required

The multi-media approach continues in Spanish II to study language and culture on a more advanced level and at an accelerated pace. Students must exhibit enthusiasm for the study of Spanish and a desire to communicate in Spanish at all times during class. Emphasis is placed on communicative proficiency (speaking and writing) as well as interpretive proficiency (listening and reading); students engage in regular group discussions in Spanish. Technology is implemented, and audio and print materials serve to build and reinforce listening comprehension, speaking, reading, and writing skills. The course is taught mostly in Spanish.

600730719 **Spanish III CPA (Y)** Offered to students in grades 10, 11, 12
600730726 **Spanish III CP (Y)**
Department approval required

Spanish III aims to build intermediate to high communicative proficiency in reading, writing, listening, and speaking skills by offering a review of Spanish grammar and syntax. An emphasis is placed on the application of grammar to various thematic units. Short informal and literary texts are introduced to teach both grammar and culture. Technology is implemented, and audio and print materials serve to build and reinforce listening comprehension, speaking, reading, and writing skills. The course is taught mostly in Spanish.

600730738 **Spanish III H (Y)** Offered to students in grades 10, 11, 12
Department approval required

The multi-media approach is implemented again in Spanish III H to build intermediate to high communicative proficiency in reading, writing, listening, and speaking skills by offering a thorough review of Spanish grammar and syntax at a more advanced level. An emphasis is placed on the application of grammar to various thematic units. Short informal and literary texts are introduced to teach both grammar and culture. Students must exhibit enthusiasm for the study of Spanish and a desire to communicate in Spanish at all times during class. Students engage in regular group discussions in Spanish. Technology is implemented, and audio and print materials serve to build and reinforce listening comprehension, speaking, reading, and writing skills. The course is taught entirely in Spanish.

600740711 **Spanish IV CPA (Y)** Offered to students in grades 10, 11, 12
Department approval required

Using a communicative language approach, this course is designed to develop advanced communicative skills and language literacy. Students must exhibit enthusiasm for the study of Spanish and a desire to communicate in Spanish at all times during class. The course will incorporate a review of the grammar taught in Spanish I, II, and III. Various materials are used to build communication in writing and speaking. This class is taught in Spanish.

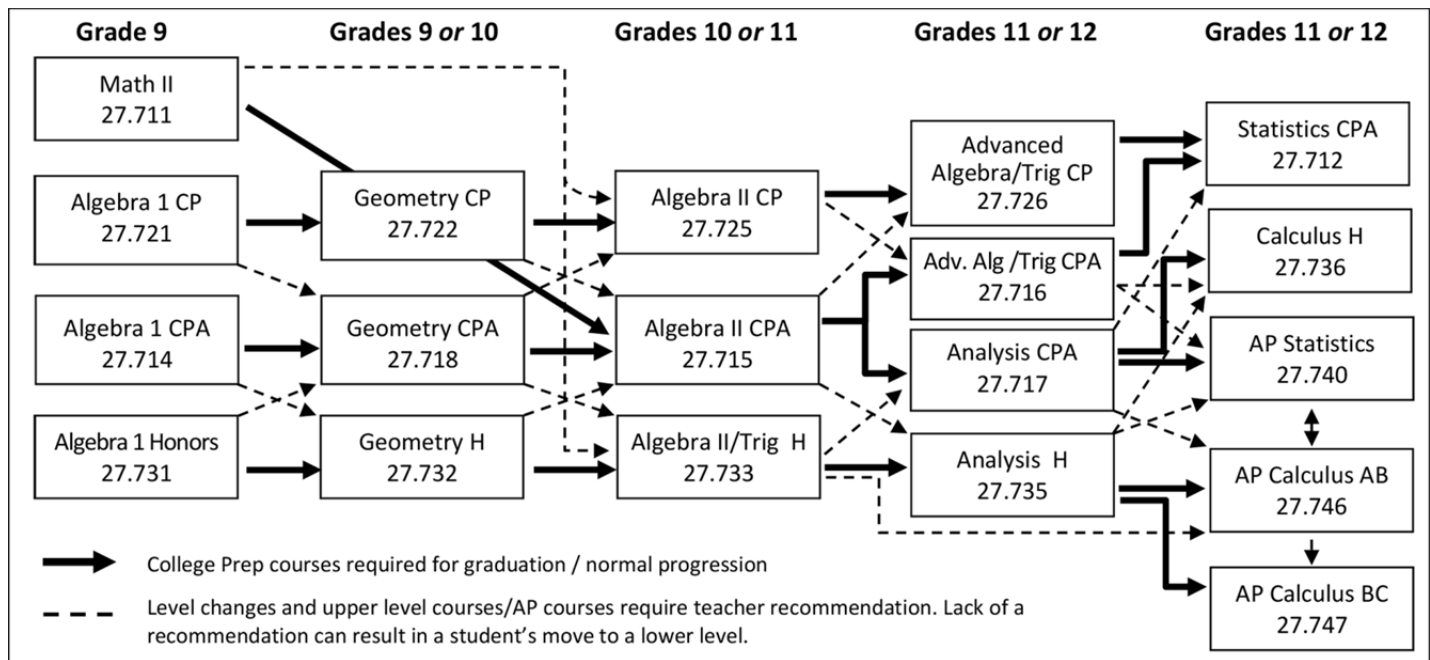
600740737 **Spanish IV H (Y)** Offered to students in grades 10, 11, 12
Department approval required

Using a communicative language approach, this course is designed to provide practice in advanced grammatical concepts, advanced communicative skills, and language literacy. Students must exhibit enthusiasm for the study of Spanish and a desire to communicate in Spanish at all times during class. Students should also have a control the grammar taught in Spanish I, II, and III upon entrance into the course. Various materials are used to achieve an advanced level of written and oral proficiency. This course is taught in Spanish.

600770740 **Advanced Placement Spanish Language and Culture (Y)** Offered to students in grades 11, 12
Department approval required; Pre-requisite — Spanish IV H

This course is designed for self-motivated students committed to serious study in Spanish. A prescribed course of study including advanced grammar topics, listening comprehension exercises, comprehension exercises, and written and spoken practice will prepare the student for the Advanced Placement exam. All students are required to take the AP exam. College credit may be awarded on the basis of the evaluation and the particular college or university policies.

MATHEMATICS



Algebra I

Required of students who have not taken Algebra in the eighth grade

270610714 **Algebra I CPA (Y)**

270610721 **Algebra I CP (Y)**

In Algebra I students learn to add, subtract, multiply, and divide polynomials and radical expressions. The students apply these skills to solve linear equations, systems of linear equations, and quadratic equations. Additional topics include graphing in the coordinate plane and solving word problems.

270610731 **Algebra I H (Y)**

Department approval required

In Algebra I students learn to add, subtract, multiply, and divide polynomials and radical expressions. The students apply these skills to solve linear equations, systems of linear equations, and quadratic equations. Additional topics include graphing in the coordinate plane and solving word problems.

270820711 **Math II CP (Y)**

Department approval required

In Math II, students learn to further their equation solving skills, factor advanced polynomials, and rationalize radical expressions. Students will study the coordinate plane and learn various graphing techniques. Problems and proofs are used in the study of parallel lines, perpendicular lines, circles, special right triangles, area, and volume. Goals of the course include improvement in problem solving skills and a deeper appreciation of mathematical structure.

Geometry

Required in grade 9 or 10 to fulfill graduation requirement

270630718 **Geometry CPA (Y)**

270630722 **Geometry CP (Y)**

Problems and proofs are used in the study of congruent triangles, similar figures, parallel lines, circles, area, volume, the coordinate plane, and polygons. Goals of the course include improvement in logical thinking skills and a deeper appreciation of mathematical structure.

270630732 Geometry H (Y)
Department approval required

Honors Geometry is a course for students who have a deeper sense of logical development. The course uses deductive proofs and problems to study the coordinate plane, congruent triangles, similar figures, parallel lines, circles, area, volume, and polygons.

Algebra II Required in grade 10 or 11 to fulfill graduation requirement

270640715 Algebra II CPA (Y)
270640725 Algebra II CP (Y)

Radicals, linear and quadratic equations, the coordinate plane, right triangle trigonometry, systems of equations, complex numbers, functions, and many word problems of different types are presented.

270650733 Algebra II/Trigonometry H (Y)
Department approval required

Radicals, linear and quadratic equations, the coordinate plane, right triangle trigonometry, systems of equations, complex numbers, functions, and many word problems of different types are presented. In addition, word problems of a more difficult nature are studied. Other topics covered include conic sections, logarithms, and trigonometry.

Algebra III/Trigonometry Offered in grades 11, 12 to fulfill graduation requirement

270650716 Advanced Algebra/Trigonometry CPA (Y)
Department approval required

This course consists of a review of radicals, logarithms, linear and quadratic equations, and complex numbers. Other topics include trigonometry and preparation for the SAT.

270650726 Advanced Algebra/Trigonometry CP (Y)
Department approval required; Pre-requisite — Algebra II CP

This course consists of a review of selected topics from Algebra and Geometry, preparation for the SAT, and brief studies of topics that include probability and statistics, linear programming, matrices, logarithms, sequences and series, and right triangle trigonometry.

Analysis Offered in grades 11, 12 to fulfill graduation requirement

270670717 Analysis (Pre-Calculus) CPA (Y)
Department approval required

Students in Analysis (Pre-Calculus) continue to study the higher-level math skills needed for Calculus in college. These include the study of polynomial functions, logarithmic and exponential functions, conic sections, trigonometry, matrices, sequences and series, probability and vectors.

270670735 Analysis (Pre-Calculus) H (Y)
Department approval required

Honors Analysis (Pre-Calculus) is designed to study the higher-level math skills needed for Calculus. These include the study of polynomial functions, logarithmic and exponential functions, conic sections, trigonometry, matrices, sequences and series, probability, vectors, parametric equations and polar coordinates.

Calculus Offered in grades 11, 12 to fulfill graduation requirement

270710736 Calculus H (Y)
Department approval required

Calculus is an advanced study of functions, limits and differentials with application in maxima and minima problems, area and volume, differential equations, and numerical methods of equation solving.

270720746 Advanced Placement Calculus AB (Y)

Department approval required; Pre-requisite — Analysis H

AP Calculus AB is an advanced study of functions, limits, differentiation and integration with application in maxima and minima problems, area and volume, differential equations, and numerical methods of equation solving. All students are required to take the AP exam.

270730747 Advanced Placement Calculus BC (Y)

Department approval required; Pre-requisite — Analysis H

AP Calculus BC covers all the topics of AP Calculus AB as well as vector-valued functions, polar coordinates, and sequences and series. All students are required to take the AP exam.

Statistics

Offered in grades 11, 12 to fulfill graduation requirement

270510712 Statistics CPA (Y)

Department approval required

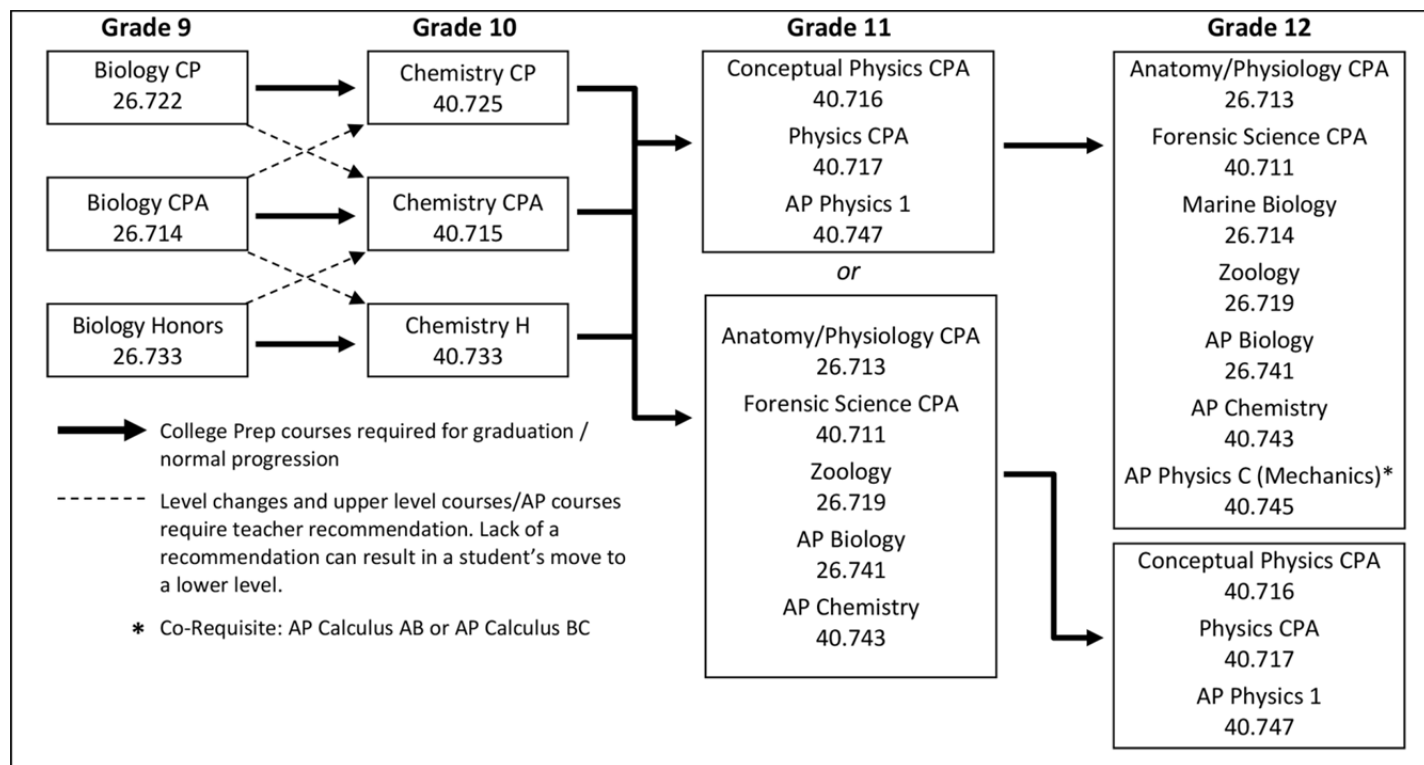
Statistics is designed to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Topics include mean, standard deviation, z-scores, correlation, regression, hypothesis testing, t-tests, analysis of variance, and construction of confidence intervals. Heavy emphasis is placed on the use of calculators and computers.

270740740 Advanced Placement Statistics (Y)

Department approval required

The AP Statistics course is designed to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Topics include mean, standard deviation, z-scores, correlation, regression, hypothesis testing, t-tests, analysis of variance, and construction of confidence intervals. Heavy emphasis is placed on the use of calculators and computers. All students are required to take the AP exam.

SCIENCE



Biology

Required in grade 9

- 260130714** **Biology CPA (Y)**
- 260130722** **Biology CP (Y)**

An introductory biology course in which students examine aspects of human activity, evolutionary history, structure, function, and behavior relationships to the environment and the molecular structure on which life is based. The focus of the course is designed to foster scientific thinking skills, reasoned approaches to problem solving, and an appreciation of the role science plays in the students' daily lives. Students keep a biology notebook, write lab reports based on laboratory experiences, and work independently. In addition, students use various technologies to search the Internet on biological topics to enhance classroom and laboratory experiments.

- 260130733** **Biology H (Y)**
Department approval required

Honors Biology is an introductory biology course that moves at an advanced pace. The course of instruction will progress from a foundation of molecular and cellular biology concepts in the fall semester and transition into organismal and ecological biology in the spring semester. Students will be engaged in the scientific method of systematic problem solving throughout the course with a focus on lab skills development, research and technology applications, data collection and analysis, and scientific writing.

Chemistry

Required in grade 10

- 400510715** **Chemistry CPA* (Y)**
- 400510725** **Chemistry CP (Y)**

This traditional course in chemistry uses laboratory activities to reinforce a study of atomic theory, periodicity, bonding, chemical reactions, and the primary states of matter. Students use mathematical skills to analyze quantitative data and to solve problems in chemistry. Emphasis is placed on developing problem solving skills, a disciplined approach to study, and skills in writing reports. Students use classroom computers to write laboratory reports.

* Students in this course will be required to bring their own device to class every day.

400510733 **Chemistry H (Y)**
Department approval required

In Honors Chemistry students will learn and apply chemistry principles, concepts, and operations. Students must think logically and abstractly, and use math reasoning to analyze, synthesize, and evaluate laboratory activities. The basic tools of chemistry - mathematics, equations, and the mole concept - are introduced early and used frequently. Students must be proficient in algebra and in analytical problem solving. Computer usage is integrated into this course through writing lab reports. Working independently, students will learn through reading the text, experimentation, observation, and problem solving.

Physics

Required for graduation

- 400810716** **Conceptual Physics CPA (Y)** Offered to students in grades 11, 12
Co-requisite – Algebra II
- 400810717** **Physics CPA (Y)** Offered to students in grades 11, 12
Department approval required
Pre-requisite —Algebra II/Trig

This is an introductory college preparatory course in physics. Emphasis is placed on learning and understanding the principles and concepts of physics as well as the solution of problems. Students apply these concepts in laboratory activities, which include the use of computers in analyzing the collected data. Students are required to write detailed lab reports on these activities. Students are also required to use the concepts learned to construct a physics project each semester. In problem solving, students use their skills in algebra or trigonometry, vector analysis, and graphing.

- 400831747** **Advanced Placement Physics 1 (Y)** Offered to students in grades 11, 12
Department approval required

The AP Physics 1 course is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will also introduce electric circuits. Students apply these concepts in laboratory activities, which include the use of computers in analyzing the collected data and inquiry based activities where students will develop procedures. In problem solving, students use their skills in algebra or trigonometry, vector analysis, and graphing. Students should anticipate an average of 1 hour of homework per night and they are required to take the Advanced Placement Physics 1 examination in May.

Electives

One required for graduation

NOTE: AP science classes not used for requirement fulfillment may be used as an elective. AP Computer Science may also be used to fulfill the science elective.

- 260140741** **Advanced Placement Biology (Y)** Offered to students in grades 11, 12
Department approval required; Pre-requisite — Biology

This course covers molecular and cellular biology, heredity, evolution, organisms, and populations. Students develop a conceptual framework for modern biology and gain an appreciation of biological science as a process. Themes of energy transfer, structure and function, regulation and interdependence are emphasized through reading and laboratory work. Students are expected to be able to read and study a college text independently. Keeping up with independent reading and study should take at least one hour a night. The course is scheduled for 1½ periods a day to provide time for course and laboratory work. Students are required to take the Advanced Placement examination in May.

- 400530743** **Advanced Placement Chemistry (Y)** Offered to students in grades 11, 12
Department approval required; Pre-requisite — Chemistry

Students who have already completed an introductory chemistry course learn and apply the basic principles, concepts, and operations of college chemistry. Topics include atomic theory, bonding, periodicity, acid-base chemistry, oxidation-reduction, equilibrium, and thermodynamics. Students use computers to collect data, maintain a lab notebook, and use scientific calculators to solve problems. The course meets for 1½ periods each day with class preparation time of at least one hour a night. Students are required to take the Advanced Placement examination in May.

400841745 Advanced Placement Physics C: Mechanics (Y)

Offered to students in grade 12

*Department approval required**Co-Requisite — Must be simultaneously enrolled in AP Calculus AB or AP Calculus BC*

The AP Physics C course ordinarily forms the first part of the college sequence that serves as the foundation in physics for students majoring in the physical sciences or engineering. The subject matter of the AP Physics C course is *mechanics*. The sequence is parallel to or preceded by mathematics courses that include calculus. Methods of calculus are used wherever appropriate in formulating physical principles and in applying them to physical problems. Students will be expected to design experiments, observe and measure real phenomena, organize, display, and critically analyze data, determine uncertainties in measurement, draw inferences from observations and data, and communicate results, including suggested ways to improve experiments and proposed questions for further study. Students should anticipate an average of one hour of homework per night, and they are required to take the Advanced Placement Physics C examination in May.

260730713 Human Anatomy and Physiology CPA (Y)

Offered to students in grades 11, 12

This is an introductory course in human anatomy and physiology, which presents a comprehensive study of the human body and lays a solid foundation for the pursuit of careers in the health industry. This course introduces students to anatomical language, a brief historical overview of anatomy and physiology as a discipline, a general overview of the structure and functions of the major organ systems and aspects of clinical implications relating to dysfunctions of the human body. Practical assignments are an important aspect of this course. Working in small groups, students use dissection and multimedia software to study the organ systems of a vertebrate, as well as the anatomical features of cells, tissues, bones, muscles, and the brain. Simple experiments on the physiology of cells also aid the understanding of this topic. A research paper and presentation is part of the second semester activities. Students also continue to develop scientific skills and techniques including note taking, collecting and analyzing data, and writing lab reports and essays. Computer skills are utilized in the areas of research, composition of papers, and review of concepts.

400930711 Forensic Science CPA (Y)

Offered to students in grades 11, 12

This is a very lab-intensive course that will focus on the role of chemical reactions and techniques used in analyzing different types of forensic evidence. This course requires strong organizational, problem solving, and writing skills. Emphasis will be placed on experimentation, theorization, synthesizing information, forming evidence-based conclusions, and research of forensic methodologies. Students will learn the protocols for analyzing crime scenes by maintaining a working lab notebook, writing reports based on their results, conclusion and analyses of case studies and investigations. Students will use critical thinking to explore scientific principles through forensic investigation of simulated crime scenes.

260710719 Zoology CPA (Y)

Offered to students in grades 11, 12

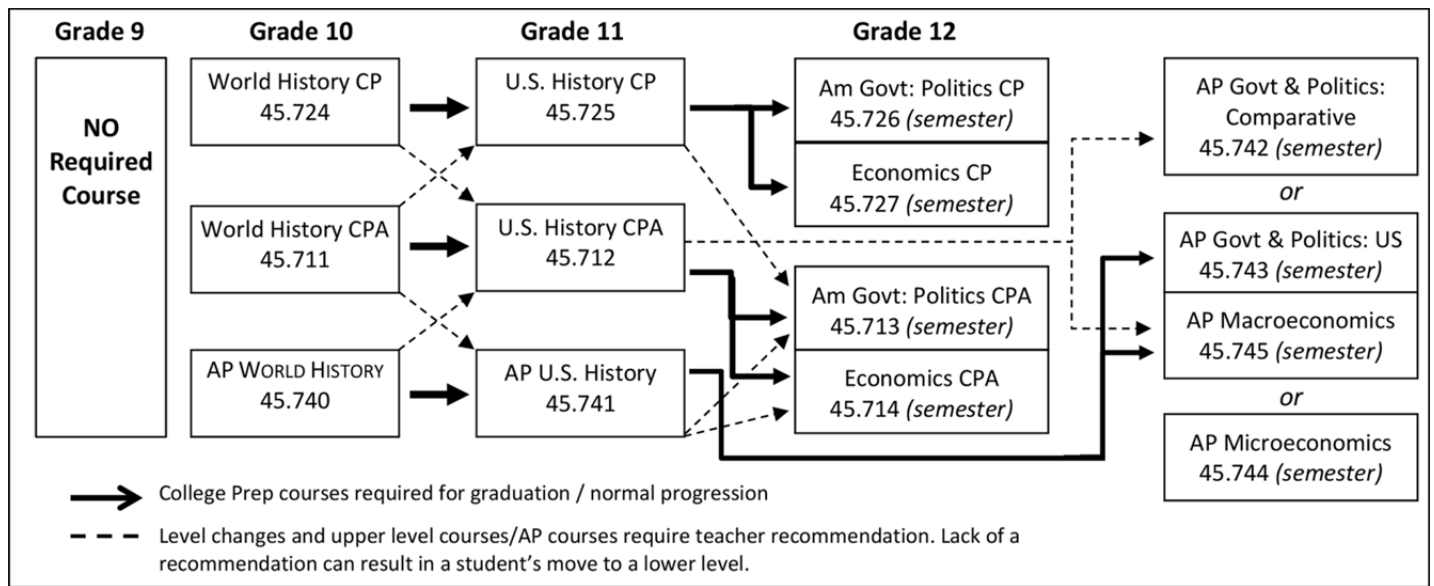
Zoology is organized into three parts. Part One covers common life processes, including cell and tissue structure and function, genetics aspects of evolution, and the ecological principles that unify all living organisms. Part Two includes a survey of protists and all major animal phyla, including a discussion of evolutionary and ecological relationships. It will also discuss the newest animal adaptations. Part Three highlights animal form and function that depicts evolutionary changes in structure and function of selected organ systems. The class will include science process skill and laboratory safety and investigations.

260000714 Marine Biology CPA (Y)

Offered to students in grade 12

Marine Biology is designed to provide a stimulating, up-to-date survey of marine biology while integrating the basic science background required for an introductory course. The approach demonstrates the relevance of physical science to marine biology and thus integrates the two branches of science. This course provides a global, non-regional view of the world's oceans that is integrated throughout the material. Using current research, students will report on the influence of human intervention on the marine environment and the effect on communities and the non-living elements of the ecosystem. Content and skill are evaluated on the basis of written tests, quizzes, homework assignments, and laboratory reports. In addition, students regularly research a topic of interest from the current literature and report to the class on the journal articles. In the field, they are evaluated on their observation and data gathering.

SOCIAL STUDIES



World History

Required in grade 10

- 450830711 World History CPA (Y)**
450830724 World History CP (Y)

This course is a survey course of people and nations of both western and non-western civilizations. Emphasis will be placed on tracing the political, social, cultural, and economic heritage of civilizations from the Neolithic Period to the present. Writing and research assignments throughout the year will focus on expository essay construction and historical thinking skills such as change over time and compare/contrast.

- 450811740 Advanced Placement World History (Y)**
Department approval required

The content of this course will emphasize a more global, non-western approach to World History by tracing the development of civilizations and the interactions among people in those civilizations from the Neolithic Period to the present. Considerable time will be devoted to helping students develop their analytical and writing skills through the evaluation of primary and secondary sources. All course requirements are intended to prepare the student to take the Advanced Placement World History exam for possible college credit. Students should anticipate an average of 1 hour of homework per night and they are required to take the AP examination in May.

United States History

Required in grade 11

- 450810712 United States History CPA (Y)**
450810725 United States History CP (Y)

This course is a survey of the most significant periods in U.S. History from the Period of Colonization to the present. The intent of this course is to increase knowledge, awareness, and appreciation of America's domestic and foreign affairs as well as develop historical thinking and writing skills. A major research paper in Chicago format is required.

450820741 Advanced Placement United States History (Y)

Department approval required

This course is a survey of the most significant periods in U.S. History from the Age of Discovery to the present. The student who enrolls in this course should have a strong background in research and writing skills as this course will make extensive use of primary and secondary sources and will require numerous essay assignments. The students participate in simulations and debate throughout the year and write a research paper. All course requirements are intended to prepare the student to take the Advanced Placement U.S. History exam for college credit. Students should anticipate an average of 1 hour of homework per night and they are required to take the AP exam in May.

Government/Economics

Required in grade 12

450570713 American Government: The Political Process CPA (S)

Offered to students in grade 11

450570726 American Government: The Political Process CP (S)

This course is designed as a basis of study about how the American political system works. There is an extensive examination of the Constitution as well as of the legislative, executive, and judicial branches of government. Citizenship rights and responsibilities are emphasized, and the policy-making process is explored in depth. The students examine how a government is the resolution of conflicts in a way that enhances a nation's values and purposes.

450530742 Advanced Placement Government and Politics: Comparative (S)

Department approval required

This course is designed to provide an advanced and detailed treatment of the government and politics of six major countries of the world: Britain, Russia, China, Mexico, Nigeria, and Iran. The six are the countries commonly covered in college-level introductory comparative politics courses and required for the AP Comparative Politics exam. Emphasis will be placed on the intellectual underpinnings of different political systems including influences on the structure and policy-making process of each country. Additional examination of other countries is also included to provide an understanding of the political implications of different levels of economic development. The course employs an advanced textbook and additional supplemental reading as necessary. The course is additionally designed to provide the tools necessary for success on the AP examination. Students should anticipate an average of 1 hour of homework per night and they are required to take the AP exam in May.

450520743 Advanced Placement American Government and Politics: United States (S)

Department approval required

This course is designed to provide an advanced and detailed treatment of government and politics. Emphasis will be placed on the intellectual underpinnings of democracy, the development of our constitution, the institutions of government, influences on the policy-making process, civil rights, and civil liberties. An examination of the national branches of government is also provided. The course employs an advanced textbook and additional supplemental readings as necessary. The course is additionally designed to provide the tools necessary for success on the AP examination. Students should anticipate an average of 1 hour of homework per night and they are required to take the AP exam in May.

450610714 Economics CPA (S)

Offered to students in grade 11

450610727 Economics CP (S)

The purpose of this course is to promote the mastery of basic economic concepts. Students are encouraged to develop critical thinking and problem solving behaviors through participation in market simulations, model-building and evaluation, and examination of real-world case studies.

450630744 Advanced Placement Microeconomics (S)

Department approval required

This course is designed for the student interested in obtaining college credit in Microeconomics. The basic concepts of supply, demand, and elasticity as well as specific micro concepts such as markets, business organization, pricing theory, and marginal analysis are emphasized. The students will experience a variety of activities and use technology to enhance their studies. Students should anticipate an average of 1 hour of homework per night and they are required to take the AP exam in May.

450620745 Advanced Placement Macroeconomics (S)

Department approval required

This course is designed for the student interested in obtaining college credit in Macroeconomics. The basic concepts of supply, demand, and elasticity as well as specific macro concepts such as trade, fiscal policy, monetary policy, and supply side theory will be covered. Students should anticipate an average of 1 hour of homework per night and they are required to take the AP exam in May.

Electives

450000718 History and the Holocaust CP (S)

Offered to students in grade 12

Department approval required

This course seeks to examine the history of genocide and racial purity of the 20th Century as it relates to human behavior. Emphasis will be placed on the events leading up to the rise of Hitler and the plight of European Jewry from 1933-1945. The course also assesses the Church's response and treatment of the events of the Holocaust.

450120719 Current Issues and Political Speech CP (S)

Offered to students in grades 9, 10, 11

This course analyzes current social and political issues and events and invites students to critically evaluate those issues. Rather than traditional written evaluation, students are taught various speaking styles such as extemporaneous speaking, oration, and debate. Students are required to convey understanding and analysis of those issues using oral delivery skills.

450150717 Psychology CP* (S)

Offered to students in grades 11, 12

In this course the student is introduced to the scientific analysis of human behavior. Students learn to differentiate and discuss theories of human behavior, intelligence, learning, personality, development, mental illness, and therapy. Students also study human motivations, emotions, and group psychology. Writing and research assignments will incorporate APA style.

*Students who have taken Psychology CP (45.0150717) may not take AP Psychology (45.0160747)

450160747 Advanced Placement Psychology* (Y)

Offered to students in grade 12

Department approval required

This course is designed for the student interested in obtaining college credit by taking the Advanced Placement examination in Psychology. The course consists of a systematic and scientific approach to the study of behavioral processes. After a brief overview of the scientific method and statistical approach to studying psychology and a look at the historical development of psychology, topics to be examined are the biological base of behavior as it relates to perception, sensation, memory language and thinking, states of consciousness, and motivation and emotion. Other topics to be included are learning, personality, intelligence, development, stress, psychological disorders, and treatment. The course uses a college text and numerous outside articles. All writing and research assignments will incorporate APA style. Students should anticipate an average of one hour of homework per night and are required to take the AP exam in May.

*Students who have taken Psychology CP (45.0150717) may not take AP Psychology (45.0160747)

450310716 Sociology CP (S)

Offered to students in grades 11, 12

This course is designed for the student who would like to gain an understanding of human society through the study of social systems, their structures, and their processes. There is an emphasis on social groups and social interaction as well as a look at social problems and alternative solutions. Writing and research assignments will incorporate APA style.

450840746 Advanced Placement Modern European History (Y)

Offered to students in grade 12

Department approval required

AP European History is a survey course covering the development of Europe from the High Renaissance (approximately 1450) to the present. The first semester begins with the Later Middle Ages and ends with the Congress of Vienna (1815). Second semester starts with an overview of the Congress of Vienna (1815) and continues to the present. During both semesters, this course will place emphasis on helping students develop an understanding of the intellectual, cultural, political, diplomatic, social, and economic developments that have existed and continue to exist in modern European history. While students must learn to comprehend, memorize, and apply basic historical facts, students enrolled in this course are also required to analyze, synthesize, evaluate, and interpret primary and secondary historical sources. Students should anticipate an average of one hour of homework per night and are required to take the AP exam in May.

PHYSICAL EDUCATION AND HEALTH

One credit of Physical Education is required for graduation. This is comprised of .5 credit of Personal Fitness and .5 credit of Health, both to be taken in the freshman year. Students may not take more than one PE course per semester.

170110703 Health CP (S) Required in grade 9

All ninth grade students are required to take this course. Emphasis is placed on providing students with a wide variety of learning experiences on health-related topics. As a result of these experiences, students should be motivated to shape attitudes and conduct to maintain a high level of lifetime wellness. In cooperation with the Guidance Department, "Life Choices" is offered once a week for four weeks during the health class.

360510701 Personal Fitness CP (S) Required in grade 9

This is an introductory course in which the students learn the fundamental concepts of physical fitness and motor skills. The students learn through observation, practice, and test evaluations to assess and improve their current level of physical fitness. Emphasis is placed on cardiovascular endurance development. By the end of the semester the students are able to plan an individual fitness program that includes strength, flexibility, endurance, and nutrition.

Electives

360220702 Lifetime Sports I CP (S) Offered to students in grades 10, 11, 12

Pre-requisite — Personal Fitness

This course is designed to introduce students to various lifetime sports. Students are provided the opportunity to learn the history, rules, regulations, etiquette, strategy, and basic motor skills of each activity. The emphasis is placed on teaching and improving motor skills unique to each individual or dual sport.

360220704 Lifetime Sports II CP (S) Offered to students in grades 10, 11, 12

Pre-requisite — Lifetime Sports

This course is designed for the student who has successfully completed Lifetime Sports I. Advanced individual skills and team concepts will be covered to further enhance the development of each student. Throughout the semester, students will assume the role of player, coach, and official within each activity. Team organization, tournament play, ethical issues within sports, and career opportunities in athletics will be discussed.

360540707 Girls' Weight Training CP (S) Offered to students in grades 10, 11, 12

360540708 Boys' Weight Training CP (S)

Pre-requisite — Personal Fitness

This course may be repeated for credit.

This course is designed for the student interested in weight training. Students will learn the location and function of the major muscles, the lifts that best develop these muscles, and various types of workouts. An emphasis is placed on learning and using proper techniques and body development.

360640715 Boys' Advanced Weight Training CP (S) Offered to students in grades 10, 11, 12

Pre-requisite — Personal Fitness

This course may be repeated for credit.

This course is designed for the student who has successfully completed Boys' Weight Training CP. Improving a student – athlete's overall athletic skills through strength and conditioning will be the emphasis of this course. Advanced explosive and Olympic training techniques will be taught and used to further develop each individual. Additionally, workouts designed to increase power, strength, coordination, and balance will be used to increase a student-athletes.

BUSINESS AND COMPUTER SCIENCE

74411702 Computer Applications CP (S)

Required in grade 9*

This course is designed to introduce and reinforce the concepts of word processing, spreadsheet design, publishing, and presentation software as well as networking. Instruction is given for the production of letters, research papers, tables, spreadsheets, web sites, QR codes, Apps, brochures, and multimedia presentations utilizing the computer.

**Students in year-long electives will be expected to take Computer Applications online during their freshman year to fulfill the requirement.*

Electives

64150702 Business Law CP (S)

Offered to students in grades 10, 11, 12

This course is designed to enable students to relate law to current cases and situations as well as to see the law's implications in their futures. The course is challenging and rewarding with topics including the nature and sources of law, criminal law, trial procedures, contracts, consumer law, employment, family law, and property law.

74120701 Principles of Accounting CP (S)

Offered to students in grades 10, 11, 12

This course provides students with an opportunity to develop a sound understanding of the basic accounting principles and procedures, to handle daily records and financial activities of a small or medium-sized business, and to use accounting records to make decisions. Technology is used in many of the accounting application problems.

87400701 Principles of Marketing (S)

Offered to students in grades 10, 11, 12

This course is designed to provide an understanding of the basic principles, theories, problems, and practices involved in our modern ever changing economic environment. Emphasis is placed on the marketing functions including the distribution of goods and services from the producer to the ultimate consumer. Market research and information technology tools of the marketing manager will be explored. Students will collaborate with students in other Computer classes in an effort to successfully market a service or good.

70000703 Computer Publishing and Graphics CP (S)

Offered to students in grades 9, 10, 11, 12

Pre-requisite — Computer Applications

This course is designed to enable students to develop a high level of operational skill on the computer integrating graphics software programs such as PhotoShop and Flash. Authentic assessment is through the production of projects and multi-media presentations.

110130703 Computer Programming I CP (S)

Offered to students in grades 9, 10, 11, 12

Pre-requisite — Computer Applications

This is a hands on computer programming course that introduces students to computational thinking using various programming languages. The student will focus on problem solving, logic, critical thinking, language syntax, top-down structure, reading internalization and documentation. Class activities include programming in several languages. The knowledge and skills gained in this course can easily be transferred into real-world projects such as mobile applications and robotics.

110130704 Computer Programming II CP (S)

Offered to students in grades 10, 11, 12

Pre-requisite — Computer Programming I

In this advanced programming language course, students will study computer systems, primitive data types, standard computer algorithms, and data structures in an object oriented environment. Students enrolled in this course will demonstrate their knowledge and skills by designing and coding portable applications. This course will prepare students for AP Computer Science.

110160741 **Advanced Placement Computer Science (Y)** Offered to students in grades 11, 12
Pre-requisite — Computer Programming I & II
Department approval required

An AP Computer Science course is intended to serve both as an introductory course for computer science majors and as a course for people who will major in other disciplines that require significant involvement with computing. Students will study computer systems, primitive data types, standard computer algorithms, and data structures in an object-oriented environment using the Java programming language. This advanced course follows the curriculum set up by the College Board for the AP Computer Science course. Although students will be using the Java programming language, programming skills are the focus of this course. All students enrolled in this course are required to take the AP Computer Science exam in the spring. *This course can be used to satisfy the Science elective graduation requirement.*

114280702 **Media Technology CP (S)** Offered to students in grades 10, 11, 12
Pre-requisite — Computer Applications

Students create broadcast quality video utilizing computing technology integrating Premiere, After Effects, and Sound Booth standard software. Students plan and develop news stories, movies, advertisements, and music videos. The course provides an environment for students to develop competency in media literacy, including critical thinking and self-expression. Students progress through different production roles, including videographer, director, and producer. There will be additional time spent out of class shooting footage and editing video.

114310701 **Web Design CP (S)** Offered to students in grades 9, 10, 11, 12
Pre-requisite — Computer Applications

This web design class provides a thorough introduction to implementing a full-featured web site on the Internet or intranet. The course starts with an introduction to the Internet and progresses to the implementation of dynamic client-side content using HTML 5, CSS 3 JavaScript, and web design software. Students enrolled in this course will be introduced to simple computer programming, in addition to creating, designing, and developing actual web pages.

FINE ARTS

Visual Arts

500000707 **Design Fundamentals CP (S)** Offered to students in grades 9, 10, 11, 12

This course deals with the application of the elements and principles of design in a variety of mediums. Students are given assignments that apply to areas of design which might include graphic art, illustration, and architecture. Students will also learn about the art movements which contributed to the development of design from the 1880's to the Modern era.

500000709 **Advanced Studio Art CP (Y)** Offered to students in grades 11, 12
Pre-requisite — Drawing I, Exploring Painting, or Survey of the Visual Arts

Advanced Studio Art is designed for the serious-minded art student who has mastered the fundamental skills and desires to further develop his/her artistic abilities. This course focuses on the perfection of technical skills through in-depth assignments. Students are encouraged to take Advanced Placement in either Drawing, 2-D Design, or 3-D Design in their senior year. Students will create a portfolio by year's end.

500211701 **Survey of the Visual Arts CP (S)** Offered to students in grades 9, 10, 11, 12

This introductory course is designed to provide experience in a wide range of art forms. Students explore a variety of art materials and techniques through a series of projects which might include basic design, art history, painting, ceramics, sculpture, and crafts.

500311702 **Drawing I CP (S)** Offered to students in grades 9, 10, 11, 12

This course is designed for students to explore the fundamentals of drawing. The elements, principles, and technical skills are acquired through a series of sequential drawing experiences dealing mainly in pencil, with additional experimentation in charcoal, ink, pastel, and markers. The analysis of drawings and the understanding of the elements and principles of art are an important element of this course.

- 500312703 Drawing II CP (S)** Offered to students in grades 10, 11, 12
Pre-requisite — Drawing I CP
- The focus of the course is for students to further develop their drawing abilities and skills, after learning the basic fundamental skills from Drawing I. The goal of this course is to develop a more individual approach to drawing.
- 500321708 Exploring Painting CP (S)** Offered to students in grades 10, 11, 12
- Students will learn the background history to the development of painting through series of related projects. Students will apply color theory and color relationships to create various color effects in their work and master techniques related to the medium.
- 500411704 Clayworks I CP (S)** Offered to students in grades 10, 11, 12
- The focus of this course is on all aspects of working with clay. The course covers hand building, coil and slab techniques, and various techniques of glazing and finishes with possible wheel throwing at the end of the semester. The course also includes the history of ceramics and a field trip to the Carlos Museum at Emory.
- 500412705 Clayworks II CP (S)** Offered to students in grades 11, 12
Pre-requisite — Clayworks I CP
- This course is for students who have completed a semester of Clayworks I and will focus on a more in-depth approach to working with all aspects of clay. The course will cover hand building, wheel throwing, and various techniques of glazing and finishes.
- 500511741 Printmaking CP (S)** Offered to students in grades 10, 11, 12
- This course will introduce the student to various techniques involved in printmaking, which include relief, monoprint, Xerox transfer, and etching. The history of printmaking will also be studied as it relates to various artists who used this medium in their work.
- 500611706 Three-Dimensional Sculptural Forms CP (S)** Offered to students in grades 10, 11, 12
- This course is for the student interested in the construction of three-dimensional pieces involving a variety of media which might include: paper, wood, fiber, clay, plaster, and metal. Different techniques such as modeling and casting will be used in constructing and assembling various materials to create a variety of three-dimensional projects. The history of sculpture will also be studied.
- 500811741 Advanced Placement Studio Art: Drawing (Y)** Offered to students in grade 12
Pre-requisite — Advanced Studio Art, Drawing I or Survey of the Visual Arts, and Drawing II or Exploring Painting
All students are required to submit a portfolio showing proficiency in drawing and painting.
- This course is designed for self-motivated students committed to serious study in art. A prescribed portfolio reflecting three areas of study: Quality, Concentration, and Breadth, is submitted to the evaluators of the Advanced Placement program. All students are required to submit an AP portfolio and college credit may be awarded on the basis of the evaluation.
- 500813740 Advanced Placement Studio Art: 2D (Y)** Offered to students in grade 12
Pre-requisite — Advanced Studio Art and Exploring Painting or Design Fundamentals
Students must also submit a portfolio to the art teacher showing commitment, talent, and interest in this subject and medium to be considered for this course.
- This course is designed for self-motivated students committed to serious study in art. A prescribed portfolio reflecting three areas of study: Quality, Concentration, and Breadth, is submitted to the evaluators of the Advanced Placement program. All students are required to submit an AP portfolio and college credit may be awarded on the basis of the evaluation.
- 500814741 Advanced Placement Studio Art: 3D (Y)** Offered to students in grade 12
Pre-requisite — Advanced Studio Art and two of the following: Clayworks I, Clayworks II, 3-D Sculptural Forms
Students must also submit a portfolio to the art teacher showing commitment, talent, and interest in this subject and medium to be considered for this course.
- This course is designed for self-motivated students committed to serious study in art. A prescribed portfolio reflecting three areas of study: Quality, Concentration, and Breadth, is submitted to the evaluators of the Advanced Placement program. All students are required to submit an AP portfolio and college credit may be awarded on the basis of the evaluation.

Dance

NOTE: Freshman taking year-long electives are required to take Computer Applications online to fulfill that requirement.

510530701 **Dance I CP (Y)** Offered to students in grades 9, 10, 11, 12
This course may not be repeated. Application required.

This course is designed to teach the fundamentals of ballet, jazz, and stretch and conditioning at the beginner level. Students will further develop their technique through increased complexity in class combinations, musical phrasing, and choreography. Group discussions center on dance vocabulary, dance history, current events, and choreography. Students will develop their performance quality by participating in the annual dance concert and choreography project.

510540702 **Dance II CP * (Y)** Offered to students in grades 9, 10, 11, 12
*Audition required unless currently in enrolled in Dance I
This course may not be repeated.*

This course is designed to teach the fundamentals of ballet, jazz, and stretch and conditioning at the intermediate level. In addition, students will learn beginner level modern techniques. Students will further develop their technique through increased complexity in class combinations, musical phrasing, and choreography. Group discussions center on dance vocabulary, dance history, current events, and choreography. Students will develop their performance quality by participating in the annual dance concert and choreography project.

** Successful completion of Dance II can be used to fulfill the Personal Fitness requirement.*

510550703 **Dance III CP * (Y)** Offered to students in grades 9, 10, 11, 12
*Audition required unless currently in enrolled in Dance II
This course may be repeated for credit.*

This course is designed to teach the fundamentals of ballet, jazz, and stretch and conditioning at the advanced level. In addition, students will learn advanced level modern and contemporary techniques. Students will further develop their technique through increased complexity in class combinations, musical phrasing, and choreography. Group discussions center on dance vocabulary, dance history, current events, and choreography. Students will develop their performance quality by participating in the annual dance concert and choreography project.

** Successful completion of Dance III can be used to fulfill the Personal Fitness requirement.*

510560704 **Dance Company CP * (Y)** Offered to students in grades 9, 10, 11, 12
*Audition required; Pre-requisite — currently studying ballet outside of school
This course may be repeated for credit.*

This course is for students who have achieved proficiency in ballet, jazz, and modern techniques. Students will participate in ballet, jazz, and modern classes at the advanced and pre-professional level. Students will be exposed to guest teachers and choreographers. Enhancement of technique, stage presence, and performance quality are targeted. Dance Company is a co-curricular course which meets during the school day, as well as after school on Wednesdays. Students perform in the Open House, Morning of the Arts, Fine Arts Assembly, outreach projects, the annual Spring Dance Concert, and the Novo Choreography Project.

** Successful completion of Dance Company can be used to fulfill the Personal Fitness requirement.*

Theater

520000701 **Oral Communication CP (S)** Offered to students in grades 9, 10, 11, 12

This course emphasizes personal and interpersonal skills through many verbal and visual projects. The creation of original commercials (writing and videotaping) is the course highlight, as well as a formal speech at the end of the semester. Self-evaluation is an integral part of the class.

520000705 **Directing CP (S)** Offered to students in grades 11, 12
*Department approval required; Requires two years prior participation in Pius Players
Students will be required to participate in two (2) of the three (3) Fine Arts productions that take place during the year*

This is a performance-based class for the advanced student presently in Pius Players. Students will read relevant plays, analyze scenes, co-direct short selections, and strengthen improvisation skills through “comedy” conventions. Students will also assist Drama Director with designated yearly productions, rehearse during class, and participate in after-school rehearsals and performance. A directing project exam will be performed for evaluation at the end of the semester.

520000706 Survey of Musical Theatre CP (S) Offered to students in grades 9, 10, 11, 12

This course is designed for actors as well as non-actors. The course will examine how musical theatre began in America and its impact on the Broadway experience. Performance techniques are included along with musical films for critique.

520210702 Dramatic Arts/Fundamentals I CP (S) Offered to students in grades 9, 10, 11, 12

This is a basic course in acting for students who have little or no experience in this area. Memorizing lines and performing scenes as well as the reading of popular plays are some of the challenges. Field trips to live theatrical productions, both amateur and professional, are required. A solo monologue is performed and evaluated at the end of the semester.

520220703 Dramatic Arts/Fundamentals II CP (S) Offered to students in grades 10, 11, 12
Ninth grade students require audition.

This course includes further study of acting techniques: body movement, improvisation, and scene presentation. It also includes more advanced vocal, physical, and emotional exercises as well as proper monologue delivery and technique. Students also participate in drama workshops on campus, read popular plays, and take three (3) required field trips to local professional theaters. Two contrasting monologues are performed at the end of the semester.

520460707 Theater Technology CP (S) Offered to students in grades 9, 10, 11
Department approval required
Students will be required to participate in at least three (3) of the five (5) Fine Arts productions that take place during second semester.

This course will emphasize practical use of equipment and operation of the theater. It will include use of lighting and sound equipment, stage and house management, building and equipment maintenance, and working with performers and patrons of the arts. There will be a final exam as well as a comprehensive "hands on" exam.

Music

NOTE: Freshman taking year-long electives are required to take Computer Applications online to fulfill that requirement

530000706 Concert Band CP (S) Offered to students in grades 9, 10, 11, 12
Audition/Interview required for new students.
Members of the Concert Band are automatically enrolled in Concert Jazz Band or Symphonic Band for second semester.
This course may be repeated for credit.

This course is open to any student who has had at least one year of instruction on a brass, woodwind, or percussion instrument. Focus will be on the development of concert technique including articulation, pitch, rhythm, phrasing, dynamics, and tone quality. Members are encouraged to take private lessons. The class develops and strengthens basic technique through music literature ranging from basic to intermediate levels. The class rehearses and performs traditional concert band literature, such as classical and movie soundtrack music, appropriate to the skill level of the group. The concert band performs at the Christmas Concert in December and the Spring Concert in April. The group may be required to rehearse after school in preparation for concerts.

530000707 Marching Band-Winds & Battery Percussion CP (S) Offered to students in grades 9, 10, 11, 12
Audition/Interview required for new students. This course may be repeated for credit.

Students must have at least one year of instruction on a brass, woodwind, or percussion instrument. Focus will be on development of marching and playing technique, as well as the learning of marching repertoire. The Marching Band performs a half-time show at home football games. Performances at one or two away games may be scheduled. The group also participates at several mandatory marching band competitions as well as certain community events. Marching Band members are required to attend band camp and several late July and early August rehearsals. Members are also required to attend weekly after-school practices. The group also performs at the Christmas Concert in December.

530000708 Marching Band-Front Ensemble Percussion CP (S) Offered to students in grades 9, 10, 11, 12
Audition/Interview required for new students. This course may be repeated for credit.

Students must have at least one year of instruction on a percussion instrument or pass a rhythm coordination test. Focus will be on development of marching and playing technique, as well as the learning of marching repertoire. The Marching Band performs a half-time show at home football games. Performances at one or two away games may be scheduled. The group also participates at several mandatory marching band competitions as well as certain community events. Marching Band members are required to attend band camp and several late July and early August rehearsals. Members are also required to attend weekly after-school practices. The group also performs at the Christmas Concert in December.

530000709 **Symphonic Band CP (S)** Offered to students in grades 9, 10, 11, 12
Pre-requisite — Concert Band or Marching Band; Audition/Interview required for new students.
This course may be repeated for credit

Students must have been enrolled in Marching Band or Concert Band first semester and pass an advanced music audition. Focus will be on the development of concert technique including articulation, pitch, rhythm, phrasing, dynamics, and tone quality. The Symphonic Band rehearses and performs intermediate to advanced literature. Members are encouraged to take private lessons. The group will perform at the Spring Concert in April, as well as at other possible outreach events. The group will occasionally perform at the GMEA large group festival evaluation or another select event. The group may be required to rehearse after school in preparation for concerts.

530000710 **Concert Jazz Band CP (S)** Offered to students in grades 9, 10, 11, 12
Pre-requisite — Concert Band or Marching Band; Audition/Interview required for new students.
This course may be repeated for credit

The Concert Jazz Band performs a variety of Jazz and Pop music literature. Instrumentation includes brass, woodwinds, electric guitar, electric bass guitar, upright double bass, drum set, and piano/keyboard. Jazz history along with observations of performances by various artists will be studied. Mandatory performances include the Spring Concert and scheduled outreach events. Students will rehearse and perform Jazz band literature ranging from basic to intermediate levels. The group may be required to rehearse after school in preparation for concerts.

530000790 **Concert Choir CP (S)** Offered to students in grades 9, 10, 11, 12
Audition required for new members.
This course may be repeated for credit, including during the same academic year

Concert Choir is a performance-based class with the added benefit of theory for singers. This includes basic music theory and ear-training. Theory quizzes will be given regularly and sung tests will be administered (in sextets) to test students' memorization of performance pieces. Repertoire includes classical, Christmas, and pop songs. Students perform in the Morning of the Arts, Open House, Christmas Concert, Fine Arts Assembly, and Spring Concert series. Off-campus performances and adjudicated festivals may be included.

530140704 **Music Appreciation CP (S)** Offered to students in grades 10, 11, 12

No music experience is needed for this class. This course will take students on a musical journey through time. Students will listen to many musical examples and study eras and major advancements in the history of music. Specific eras to be studied will include music from the Middle Ages through the Rock and Roll Era. Students will engage in daily discussions and listening sessions.

530140704 **Music Technology CP (S)** Offered to students in grades 11, 12

This course will cover the essential points of engineering musical recordings in the modern day. Students will learn audio signal flow and processing on analog and digital ; will discuss microphones, placement, compressors, equalizers, reverbs, and delays, and how they may be applied differently to various instruments; and will be using the industry standard software, Pro Tools, to experience the recording, editing, and mixing processes required in music production today.

530210705 **Music Theory CP (S)** Offered to students in grades 9, 10, 11, 12
Department approval required

Students study basic fundamentals of music theory (rhythm and meter, keys, harmonic analysis, aural recognition of intervals) on a more in-depth level than they would in a performance class. Students will also be introduced to composition techniques and analysis of musical form. This class is a pre-requisite for AP Music Theory and students applying should have some experience in an SPX performance class or private study. If in a performance class, a recommendation from their teacher should accompany their application.

530230741 **Advanced Placement Music Theory (Y)** Offered to students in grades 11, 12
Pre-requisite – Music Theory or Permission of Department

This course is designed to provide students with the necessary skills to master the rudiments of music notation, part-writing, intervals, scales, keys, chords, meter, and rhythm. The course involves a high level of problem solving, analysis, and creativity. In order to further aural development, students will be required to engage in sight-singing, melodic dictation, and rhythmic dictation. Harmonic and motivic analysis, along with the analysis of repertoire will be examined in this course. Students should anticipate an average of 1 hour of homework per night and are required to take the AP exam in May.

530841701 **Beginning Guitar CP (Y)** Offered to students in grades 9, 10, 11, 12
This course may not be repeated.

This course is for students with little or no experience on the guitar. Students learn the fundamentals of guitar, finger style techniques, and how to read and write music. No prior music knowledge is necessary. Development of musical sense and understanding of basic musical concepts and theory will be introduced with the guitar. History of the guitar in Western music will be examined. Emphasis is on proper form and technique development. Students are required to have a suitable guitar prior to the first class. Electric and nylon string guitars are provided in class.

530851702 **Intermediate Guitar CP (Y)** Offered to students in grades 9, 10, 11, 12
Pre-requisite — Beginning Guitar with a final average of 90 or above or Audition Required
This course may not be repeated.

This course is for students with a working knowledge of the fret board on the guitar. Students work on more advanced concepts of right and left hand techniques with the guitar. The course teaches music reading skills, theory, composition, and improvisational techniques. Development of musical concepts and improvisational styles will be examined. Classical and modern guitar literature in Western music will be examined. Emphasis is on proper form and technique development. Students are required to have a suitable nylon string guitar. This is a performance class and after-school rehearsals, performances, and concerts are required. Electric and nylon string guitars are provided in class.

530861703 **Advanced Guitar CP (Y)** Offered to students in grades 9, 10, 11, 12
Audition required

This course is for students with advanced knowledge of the fret board on the guitar. Students will master advanced concepts of right and left hand techniques with the guitar. The course teaches advanced reading skills, theory, and improvisational techniques. Development of musical ideas, composition, and improvisational styles will be examined. Classical and modern guitar literature will be examined. Emphasis is on proper form and technique development. Students are required to have a suitable nylon string guitar. This is a performance class and after-school rehearsals, performances, and concerts are required.

JOURNALISM

All Journalism courses are electives under the English Department.

230320701 **Journalism CP (S)** Offered to students in grades 9, 10, 11, 12

Students investigate the history of journalism in the US. Media law, journalistic ethics, and daily news coverage are investigated to encourage students to be better reporters and consumers of news in the Information Age. Proper interviewing techniques and layout design with an emphasis on page elements for communication purposes are discussed. Proper photography technique, darkroom technique, and operation are covered extensively culminating in personal production of black and white photos from conceptualization to darkroom production. This course is a pre-requisite for the school newspaper, yearbook, and literary/art magazine staffs. A computer lab allows students to explore and create projects.

230320702 **Journalism/Magazine CP (S)** Offered to students in grades 10, 11, 12
Pre-requisite — Journalism. This course may be repeated for credit.

This journalism course teaches hands-on production in the design and publication of the school literary/art magazine, *Carpe Diem*. Through the practical experience of producing the magazine, students learn and develop the basic magazine journalism skills of soliciting and evaluating students' literary and artistic work, planning, marketing, financing, and publication design. Students are expected to spend some time outside of class to produce the magazine.

230320708 Journalism/Newspaper CP (Y) Offered to students in grades 10, 11, 12
Pre-requisite — Journalism; Writing sample may be required. This course may be repeated for credit.

The newspaper class is responsible for the complete production of six or more issues of the student newspaper, *Golden Lines*, each school year. Students improve their basic journalism skills of reporting, writing, editing, design, and production learned in Journalism through the practical experience of producing the student newspaper. Students are responsible for all aspects of financing, managing, and producing the newspaper. Staff members are appointed to positions by the newspaper adviser and the editorial board. Students are expected to spend some time outside of class to produce the newspaper.

230320709 Journalism/Yearbook CP (Y) Offered to students in grades 10, 11, 12
Pre-requisite — Journalism; Writing sample may be required. This course may be repeated for credit.

This journalism course teaches hands-on production in the design and publishing of the school yearbook, *Golden Echoes*. Through the practical experience of producing the yearbook, students learn and develop the basic journalism skills of reporting, writing, editing, layout design, photography, and the business skills of organization, planning, marketing, finance, and distribution. Students are expected to spend some time outside of class to complete their assignments.

NON-CREDIT COURSES

Study Support

Study Support provides a variety of assistance to students including tutoring and help monitoring academic progress. Placement in this program is based on assessment of student needs by the Study Support Department. All students who are enrolled must have current Psycho-Educational testing on file. Students in Study Support meet one period per day. No credit is awarded.

- 990000789 Freshman Study Support (Y) — BYOD**
- 990000790 Sophomore Study Support (Y) — BYOD**
- 990000791 Junior Study Support (Y)**
- 990000792 Senior Study Support (Y)**

Study Hall

Grades 9, 10

In keeping with the school objective to develop a growing sense of responsibility in the student, the use of a non-credit study period is a system of progressive responsibility. Freshmen and sophomores are assigned to study hall. Study Hall may be taken only one semester in any given school year. No credit is awarded.

Unassigned

Grades 11, 12

Juniors and seniors not on academic or disciplinary probation may schedule an unassigned period in addition to their lunch period. However, any student needing structured study will be assigned to a Study Hall. Students should remain in the library, cafeteria, or Maloof Plaza and may not be in the hallway or at their lockers during their unassigned periods. Unassigned may be taken only one semester in any given school year. No credit is awarded.

Work Study

Grades 9, 10, 11, 12

Work Study is assigned only one semester in any given school year and takes priority in the schedule over any elective choices. No credit is awarded.

COURSE PROGRESSION BY GRADE LEVEL

Grade 9

Theology	Basics of Catholicism (1)
English	English I Literature and Composition (1)
Foreign Language	French, Latin, or Spanish (1)
Math	Algebra I, Geometry, or Math II (1)
Science	Biology (1)
Other	Personal Fitness (.5) Health (.5) Computer Applications (.5) Elective Course (.5)

- Students participating in a full year elective (band, dance, etc.) are expected to take the required Computer Applications course online during the year.
- Students in Freshman Study Support will not have an elective and will defer PE until a later year.
- Work Study will replace the freshman elective unless the student chooses to take the required Computer Applications course online.
- Only one non-credit course may be taken per academic year.

Grade 10

Theology	Hebrew Scriptures (.5) / Christian Testament (.5)
English	English II Literature and Composition (1)
Foreign Language	French, Latin, or Spanish (1)
Math	Geometry or Algebra II (1)
Science	Chemistry (1)
Social Studies	World History (1)
Other	Elective Courses (1)

- Students in Sophomore Study Support will not have an elective during the academic year.
- Work Study will replace one semester of elective credit.
- Only one non-credit course may be taken per academic year.

Grade 11

Theology	Catholic History and Major Faiths of the World CP (1)
English	American Literature/College Writing or AP English Language/Composition (1)
Math	Algebra II, Algebra III, Analysis, Statistics, or Calculus (1)
Science	Physics or Science Elective (1)
Social Studies	United States History (1)
Other	Elective Courses (2) <i>- includes foreign language at this level</i>

- Work Study will replace one semester of elective credit.
- Only one non-credit course may be taken per academic year.

Grade 12

Theology	Apologetics & Ethics (.5) / Social Justice (.5)
English	British Literature/College Writing or AP English Literature/Composition (1)
Math	Algebra III, Analysis, Statistics, or Calculus (1)
Science	Physics or Science Elective (1)
Social Studies	Government (.5) / Economics (.5)
Other	Elective Credits (2) <i>- includes foreign language at this level</i>

- Work Study will replace one semester of elective credit.
- Only one non-credit course may be taken per academic year.

AP CLASS OFFERINGS

<u>Course</u>	<u>Name</u>	<u>Grades</u>
110160741	AP Computer Science (Y)	11, 12
230430746	AP English Language and Composition (Y)	11
230650748	AP English Literature and Composition (Y)	12
270720746	AP Calculus AB (Y)	11, 12
270730747	AP Calculus BC (Y)	11, 12
270740740	AP Statistics (Y)	11, 12
260140741	AP Biology (Y)	11, 12
400530743	AP Chemistry (Y)	11, 12
400841745	AP Physics C (Mechanics) (Y)	12
400830747	AP Physics 1 (Y)	11, 12
450160747	AP Psychology (Y)	12
450520743	AP American Government and Politics: United States (S)	12
450530742	AP Government and Politics: Comparative (S)	12
450620745	AP Macroeconomics (S)	12
450630744	AP Microeconomics (S)	12
450811740	AP World History (Y)	10
450820741	AP United States History (Y)	11
450840746	AP Modern European History (Y)	12
500811741	AP Studio Art: Drawing (Y)	12
500813740	AP Studio Art: 2D (Y)	12
500814741	Advanced Placement Studio Art: 3D (Y)	12
530230741	AP Music Theory (Y)	11, 12
600170743	AP French Language and Culture (Y)	12
600770740	AP Spanish Language and Culture (Y)	11, 12
610470742	AP Latin (Y)	11, 12

Students enrolled in AP course(s) are required to take the AP exam(s) in May.

Courses labeled AP include an 8-point addition in the final numeric average provided this average is a 70% or greater. In the case of a failing grade, the student will not be awarded the 8-point addition.

AP courses require an approximate \$90-\$95 fee for the AP exam.

ELECTIVE OPTIONS BY GRADE LEVEL *

Grade 9

Band —Concert, Concert Jazz, Marching, Symphonic (S)	Design Fundamentals (S)	Oral Communication (S)
Computer Programming I (S)	Dramatic Arts/Fundamentals I (S)	Study Hall (S)
Computer Publishing and Graphics (S)	Drawing I (S)	Survey of Musical Theatre (S)
Concert Choir (S)	Guitar — Beginning, Intermediate, Advanced (Y)	Survey of the Visual Arts (S)
Current Issues and Political Speech (S)	Journalism (S)	Theater Technology (S)
Dance — I, II, III, & Company (Y)	Media Technology (S)	Web Design (S)
	Music Theory (S)	

Grade 10

Accounting, Principals of (S)	Design Fundamentals (S)	Media Technology (S)
Band —Concert, Concert Jazz, Marching Band, Symphonic (S)	Dramatic Arts/Fundamentals I & II (S)	Music Appreciation (S)
Boys' Weight Training/Boys' Advanced WT (S)	Drawing I & II (S)	Music Theory (S)
Business Law (S)	Exploring Painting (S)	Oral Communication (S)
Clayworks I (S)	Girls' Weight Training (S)	Printmaking (S)
Computer Programming I & II (S)	Guitar — Beginning, Intermediate, Advanced (Y)	Study Hall (S)
Computer Publishing and Graphics (S)	Journalism (S)	Survey of Musical Theatre (S)
Concert Choir (S)	Journalism — Magazine or Newspaper (S)	Survey of the Visual Arts (S)
Current Issues and Political Speech (S)	Journalism —Yearbook (Y)	Theater Technology (S)
Dance — I, II, III, & Company (Y)	Lifetime Sports I & II (S)	Three-Dimensional Sculptural Forms (S)
	Marketing, Principles of (S)	Web Design (S)

Grade 11

Accounting, Principals of (S)	Design Fundamentals (S)	Music Technology CP (S)
AP Computer Science (Y)	Directing (S)	Music Theory (S)
AP Music Theory (Y)	Dramatic Arts/Fundamentals I & II (S)	Oral Communication (S)
Advanced Studio Art (Y)	Drawing I & II (S)	Printmaking (S)
Band —Concert, Concert Jazz, Marching Band, Symphonic (S)	Exploring Painting (S)	Psychology CP (S)
Boys' Weight Training/Boys' Advanced WT (S)	Girls' Weight Training (S)	Sociology (S)
Business Law (S)	Guitar — Beginning, Intermediate, Advanced (Y)	Survey of Musical Theatre (S)
Clayworks I & II (S)	Journalism (S)	Survey of the Visual Arts (S)
Computer Programming I & II (S)	Journalism — Magazine or Newspaper (S)	Theater Technology (S)
Computer Publishing and Graphics (S)	Journalism —Yearbook (Y)	Three-Dimensional Sculptural Forms (S)
Concert Choir (S)	Lifetime Sports I & II (S)	Unassigned (S)
Current Issues and Political Speech (S)	Marketing, Principles of (S)	Web Design (S)
Dance — I, II, III, & Company (Y)	Media Technology (S)	
	Music Appreciation (S)	

Grade 12

Accounting, Principals of (S)	Computer Publishing and Graphics CP (S)	Lifetime Sports I & II (S)
Advanced Studio Art CP (Y)	Concert Choir (S)	Marketing, Principles of (S)
AP Computer Science (Y)	Dance — I, II, III, & Company (Y)	Media Technology CP (S)
AP Modern European History (Y)	Design Fundamentals CP (S)	Music Appreciation CP (S)
AP Music Theory (Y)	Directing CP (S)	Music Technology CP (S)
AP Psychology (Y)	Dramatic Arts/Fundamentals I & II (S)	Music Theory CP (S)
AP Studio Art: 2D (Y)	Drawing I & II (S)	Oral Communication CP (S)
AP Studio Art: 3D (Y)	Exploring Painting CP (S)	Printmaking CP (S)
AP Studio Art: Drawing (Y)	Film and Literature: The Classics CP (S)	Psychology CP (S)
Band —Concert, Concert Jazz, Marching Band, Symphonic (S)	Girls' Weight Training CP (S)	Sociology CP (S)
Boys' Weight Training/Boys' Advanced WT (S)	Guitar — Beginning, Intermediate, Advanced (Y)	Survey of Musical Theatre CP (S)
Business Law CP (S)	History and the Holocaust CP (S)	Survey of the Visual Arts CP (S)
Clayworks I & II (S)	Journalism (S)	Three-Dimensional Sculptural Forms CP (S)
Computer Programming I & II (S)	Journalism — Magazine or Newspaper (S)	Unassigned (S)
	Journalism —Yearbook (Y)	Web Design CP (S)

* See Course Descriptions for any pre-requisites and to determine if an audition, application and/or department approval is required.

COURSES NOT OFFERED IN 2015-2016

11.4320705 Advanced Web Design/Web Development CP (S)

This course will provide students with practical applications of web development technologies. Students will learn the skills needed to develop an interactive, database-driven website. Students will develop an understanding of the web development task and an appreciation of the importance of the Internet in both business and academic environments. Specific technical topics to be covered include web server software, database systems, and a programming language, such as PHP and/or JavaScript.

23.0520737 British Literature/Creative Writing H (Y)

This course has been designed for students who demonstrate above-average analytical writing skills, who need only to hone these skills to prepare for college coursework, and who desire to explore their creative selves by composing poetry, drama, and short fiction. In this course, students examine major works of British literature, analyze through writing the social, political, and artistic merit of them, and compose their own literary works using the traditional techniques of British authors.

27.0750737 Advanced Calculus H (Y)

Pre-requisite: AP Calculus BC

Advanced Calculus is an advanced study of multivariable functions and vector functions. Partial derivatives and gradients are used in maxima and minima problems. Multiple integrals, line integrals, and surface integrals are used to find work area and volume.

36.0210703 Team Sports CP (S)

Prerequisite: Personal Fitness

This course is designed to introduce students to various team sports. Students are offered the opportunity to learn the history, rules, terminology, strategy, and basic skills of each sport covered during the course. Throughout the semester, students will assume the role of the coach, the official, and the player. Careers associated with sports as well as ethical issues involving sports will also be discussed. The course may be taken a second time for credit.

45.0000715 Ancient Civilizations CP (S)

This is a semester survey course of the people and nations of both western and non-western civilizations. Emphasis will be placed on tracing the developments of civilizations and the interactions among those civilizations from Pre-history to approximately the 1500's. This course is also designed to help students continue to develop note-taking, library research, writing, and analytical thinking skills. Writing and research assignments will focus on paragraph development and essay construction through the evaluation of primary and secondary sources and require the use of Chicago format.

45.0710714 Geography CP (S)

This course is designed to give students a greater understanding and appreciation of the world through cultural, political, environmental, economic, spatial, and physical geography. Each perspective is defined and exemplified through case studies from a variety of world regions. This course is also designed to help students develop better note-taking, library research, writing, and analytical thinking skills. Writing and research assignments will focus on paragraph development and essay construction. Students will be introduced to Chicago format.

53.0000700 Advanced Drumset Applications I CP (S)

This course is open to students who have a minimum of one year drum set playing experience. Students must know some basics of reading drum set music notation. The focus of the class is the study of drum set rhythms, particularly in the idioms of jazz, pop, and world music (Latin, African, and Caribbean). Students will learn material through dictation, listening examples, and hands-on drum set playing. If a student does not have a drum set at home, he/she must sign up to practice before or after school in the band room. The history of the drum set itself and significant performers in all genres will also be a focus of the class. This class does not perform in concert.

99.0000725 Catholic Principles of Love and Vocations CP (S)

This course is designed for 11th and 12th grade students who are interested in understanding the Catholic Church's teaching on human love, human sexuality, and the vocations of marriage or religious life. Rooted in the Church's teaching and Blessed John Paul II's Theology of the Body, this course will examine such topics as human nature, the fall of man, the nature of love, the Church's teaching on human sexuality, marriage, celibacy & religious life, dating with purpose and purity, and developing a life of prayer and virtue. Due to the nature and content of this course, students are expected to demonstrate a high level of maturity and interpersonal skills when handling course content, coursework, and class discussions.