

# **ST. PIUS X CATHOLIC HIGH SCHOOL**

**Atlanta, Georgia**



## **COURSE CATALOG**

**2014-2015**

December 2013

## Graduation Requirements

<u>Credits</u>	<u>Subject</u>	
4	Theology	(or .5 credits per semester at St. Pius X)
4	English *+	
		Electives
		-- Classics of Film and Literature
3	Social Studies *+	
	Required Classes:	World History, United States History, Government/Economics
		Electives
		-- Geography/Ancient Civilizations
		-- Current Issues and Political Speech
		-- AP European History
		-- Psychology or AP Psychology
		-- Sociology
		-- History and the Holocaust
4	Mathematics *+	
4	Science *+	
	Required Classes:	
		1 – Biology CP, Biology CPA, Biology Honors, AP Biology
		1 – Chemistry CP, Chemistry CPA, Chemistry Honors
		1 – Physical Science, Physics CPA, Conceptual Physics, AP Physics, AP Physics 1
		1 – Science Elective
		(AP classes not used for required fulfillment may be used as Science Electives)
		-- AP Chemistry
		-- AP Computer Science
		-- Anatomy and Physiology
		-- Forensics
		-- Marine Biology
		-- Zoology
2	Foreign Language	(must be in one language) *+
		Electives
		-- Foreign Language beyond second year
		-- A second language
1	Physical Education	
	Required Classes:	Personal Fitness, Health
.5	Computer Applications	
1.5	Electives	
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<b>24</b>	<b>TOTAL CREDITS required for Graduation</b>	

\* Denotes core academic area

+ AP Courses may be taken in place of equivalent required courses

### Works of Mercy Requirement

Students are required to take part in the Works of Mercy Apostolic Program as part of their ongoing Catholic formation. Students are to complete their Works of Mercy service requirements outside of the regularly scheduled school day unless the project is a Campus Ministry/St. Pius-sponsored event (i.e., Mission trip and March for Life). Students must complete 5 Apostolic Projects per year. Each project must be no less than 2 hours in length. Of the 5 projects at least 3 must be from the Works of Mercy list found on the [spx.org](http://spx.org) website. The remaining 2 projects are the choice of the student but must be approved by Campus Ministry. Specific concerns about projects must be addressed by Campus Ministry prior to completion. Failure to meet the requirements of the program will be reflected in a 10-point deduction from the second semester Theology grade. In addition, Seniors who do not complete the requirement will not be allowed to walk at the graduation ceremony. 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.

## Course Catalog Information

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.

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.

- **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 1 hour of homework per night per class. 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 an approximate \$90-\$95 fee for the AP exam. Students enrolled in AP course(s) are required to take the AP exam(s) in May.

Students are expected to take any full year course (those labeled "Y") for the entire year whether the course is required or an elective. Courses may not be dropped at the semester except in extraordinary circumstances. After the March deadlines for course changes, semester electives and/or courses may not be dropped for a study hall or unassigned period. All one-semester courses are labeled "S".

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## BUSINESS AND COMPUTER SCIENCE

**6.4150702**

**Business Law CP (S)**

*Offered to 10<sup>th</sup> – 12<sup>th</sup> grade students*

*Department approval required*

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. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

**7.4120701**

**Principles of Accounting CP (S)**

*Offered to 10<sup>th</sup> – 12<sup>th</sup> grade students*

*Department approval required*

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. The computer is used in many of the accounting application problems.

**7.4411702**

**Computer Applications CP (S)**

*Required of 9<sup>th</sup> grade students*

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.

**7.0000703**

**Computer Publishing and Graphics CP (S)**

*Offered to 9<sup>th</sup> - 12<sup>th</sup> grade students*

*Prerequisite - 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 multimedia presentations.

**8.7400701**

**Principles of Marketing (S)**

*Offered to 10<sup>th</sup> – 12<sup>th</sup> grade students*

*Department approval required*

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. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

**11.4310701**

**Web Design CP (S)**

*Offered to 9<sup>th</sup> – 12<sup>th</sup> grade students*

*Prerequisite – 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, XHTML, CSS, 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.

**11.4320705**

**Advanced Web Design/Web Development CP (S)**

*Offered to 11<sup>th</sup> -12<sup>th</sup> grade students*

*Prerequisite – Web Design*

*Department approval required*

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.

## BUSINESS AND COMPUTER SCIENCE (continued)

**11.4280702**

**Media Technology CP (S)**

*Offered to 9<sup>th</sup> – 12<sup>th</sup> grade students*

*Prerequisite – 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.

**11.0130703**

**Computer Programming I CP (S)**

*Offered to 9<sup>th</sup> - 12<sup>th</sup> grade students*

*Department approval required*

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.

**11.0130704**

**Computer Programming II CP (S)**

*Offered to 10<sup>th</sup> – 12<sup>th</sup> grade students*

*Department approval required*

*Prerequisite - 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.

**11.0160741**

**Advanced Placement Computer Science (Y)**

*Offered to 11<sup>th</sup> and 12<sup>th</sup> grade students*

*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 a Science requirement.

## ENGLISH

**23.0610715 English I Literature and Composition CPA (Y)**

**23.0610724 English I Literature and Composition CP (Y)**

*Required of 9<sup>th</sup> grade students*

*Department approval required*

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. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

**23.0610734 English I Literature and Composition H (Y)**

*Required of 9<sup>th</sup> grade students with Department approval*

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. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

**23.0620716 English II Literature and Composition CPA (Y)**

**23.0620725 English II Literature and Composition CP (Y)**

*Required of 10<sup>th</sup> grade students*

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. Grammar and vocabulary are studied. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

**23.0620735 English II Literature and Composition H (Y)**

*Required of 10<sup>th</sup> grade students*

*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. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

**23.0510717 American Literature/College Writing CPA (Y)**

**23.0510726 American Literature/College Writing CP (Y)**

*Required of 11<sup>th</sup> grade students*

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. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

**23.0430746 Advanced Placement English Language and Composition (Y)**

*Required of 11<sup>th</sup> grade students*

*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. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

**23.0520719**                      **British Literature/College Writing CPA (Y)**

**23.0520728**                      **British Literature/College Writing CP (Y)**

*Required of 12<sup>th</sup> grade students*

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. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

**23.0520737**                      **British Literature/Creative Writing H (Y)**

*Required of 12<sup>th</sup> grade students*

*Department approval required*

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. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

**23.0650748**                      **Advanced Placement English Literature and Composition (Y)**

*Required of 12<sup>th</sup> grade students*

*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. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

**23.0510719**                      **Classics of Film and Literature CP (S)**

*Offered to 12<sup>th</sup> grade students*

*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. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

## **JOURNALISM**

**23.0320701**                      **Journalism CP (S)**

*Offered to all students*

*Department approval required*

Students investigate the history of journalism in the United States of America. 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 prerequisite for the school newspaper, yearbook, and literary/art magazine staffs. A computer lab and darkroom allow students to explore and create projects. A \$50 darkroom fee and access to a camera are required for this course.

**23.0320702**                      **Journalism/Magazine CP (S)**

*Offered to 10<sup>th</sup> – 12<sup>th</sup> grade students*

*Department approval required*

*Prerequisite - Journalism 23.0320701*

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.

**23.0320708**

**Journalism/Newspaper CP (Y)**

*Offered to 10<sup>th</sup> – 12<sup>th</sup> grade students*

*Prerequisite - Journalism 23.0320701*

*Writing sample may be required*

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.

**23.0320709**

**Journalism/Yearbook CP (Y)**

*Offered to 10<sup>th</sup> – 12<sup>th</sup> grade students*

*Prerequisite – Journalism 23.0320701*

*Writing sample may be required*

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.



## FINE ARTS

### **50.0211701 Survey of the Visual Arts CP (S)**

*Offered to 9<sup>th</sup> – 12<sup>th</sup> grade students*

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. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

### **50.0311702 Drawing I CP (S)**

*Offered to 9<sup>th</sup> – 12<sup>th</sup> grade students*

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.

### **50.0312703 Drawing II CP (S)**

*Offered to 9<sup>th</sup> – 12<sup>th</sup> grade students*

*Prerequisite - Drawing I*

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.

### **50.0411704 Clayworks I CP (S)**

*Offered to 10<sup>th</sup> – 12<sup>th</sup> grade students*

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.

### **50.0412705 Clayworks II CP (S)**

*Offered to 10<sup>th</sup> – 12<sup>th</sup> grade students*

*Prerequisite - Clayworks I*

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.

### **50.0511741 Printmaking CP (S)**

*Offered to 10<sup>th</sup> - 12<sup>th</sup> grade students*

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.

### **50.0611706 Three-Dimensional Sculptural Forms CP (S)**

*Offered to 10<sup>th</sup> – 12<sup>th</sup> grade students*

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.

### **50.0000707 Design Fundamentals CP (S)**

*Offered to 10<sup>th</sup> - 12<sup>th</sup> grade students*

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.

### **50.0321708 Exploring Painting CP (S)**

*Offered to 10<sup>th</sup> – 12<sup>th</sup> grade students*

*Prerequisite - Drawing I or Survey of the Visual Arts*

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.

## FINE ARTS (continued)

**50.0000709**

**Advanced Studio Art CP (Y)**

*Offered to 11<sup>th</sup> – 12<sup>th</sup> grade students*

*Prerequisite - Drawing I, Exploring Painting, and/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.

**50.0813740**

**Advanced Placement Studio Art: 2D (Y)**

*Offered to 12<sup>th</sup> grade students*

*Prerequisite – 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.

**50.0814741**

**Advanced Placement Studio Art: 3D (Y)**

*Offered to 12<sup>th</sup> grade students*

*Prerequisite – Advanced Studio Art and at least two of the following: Clayworks I, Clayworks II, and 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.

**50.0811741**

**Advanced Placement Studio Art: Drawing (Y)**

*Offered to 12<sup>th</sup> grade students*

*Prerequisite – Advanced Studio Art and Drawing I or Survey of the Visual Arts as well as 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.

**51.0000701**

**Dance I CP (Y)**

*Offered to 9<sup>th</sup> – 12<sup>th</sup> grade students*

This course is designed to teach the fundamentals of ballet, jazz, and stretch and conditioning at the beginner level. Students will be introduced to various dance forms such as modern. 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. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

**51.0000702**

**Dance II CP (Y)**

*Offered to 9<sup>th</sup> – 12<sup>th</sup> grade students*

*Audition required*

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. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

## FINE ARTS (continued)

**51.0000703**

**Dance III CP (Y)**

*Offered to 9<sup>th</sup> – 12<sup>th</sup> grade students*

*Audition required*

This course is designed to teach the fundamentals of ballet, jazz, and stretch and conditioning at the advanced level. In addition, students will learn intermediate and 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. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

**51.0000704**

**Dance Company CP (Y)**

*Offered to 9<sup>th</sup> – 12<sup>th</sup> grade student*

*Prerequisite - currently studying ballet outside of school*

*Audition required*

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. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

**52.0000701**

**Oral Communication CP (S)**

*Offered to 9<sup>th</sup> – 12<sup>th</sup> grade students*

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.

**52.0210702**

**Dramatic Arts/Fundamentals I CP (S)**

*Offered to 9<sup>th</sup> – 12<sup>th</sup> grade students*

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.

**52.0220703**

**Dramatic Arts/Fundamentals II CP (S)**

*Offered to 10<sup>th</sup> – 12<sup>th</sup> grade students*

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 field trips to local professional theaters. Two contrasting monologues are performed at the end of the semester.

**52.0000705**

**Directing CP (S)**

*Offered to 11<sup>th</sup> – 12<sup>th</sup> grade students*

*Department approval required*

*Prerequisite - Pius Players for at least 2 years*

This is a performance-based class for the advanced student presently in Pius Players. Audition for 2 of the 3 seasonal shows (Fall/Winter/Spring) is required. 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.

**52.0000706**

**Survey of Musical Theatre CP (S)**

*Offered to 9<sup>th</sup> – 12<sup>th</sup> grade students*

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.

## FINE ARTS (continued)

**52.0460707**

### **Theater Technology CP (S)**

*Offered to 9<sup>th</sup> – 12<sup>th</sup> grade students*

*Department approval required*

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. Students will be required to participate in at least 3 of the 5 Fine Arts productions that take place during second semester. There will be a final exam as well as a comprehensive “hands on” exam. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

**53.0000790**

### **Concert Choir CP (S)**

*Offered to 9<sup>th</sup> – 12<sup>th</sup> grade students*

*Audition required for new members*

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.

**53.0841701**

### **Beginning Guitar CP (Y)**

*Offered to 9<sup>th</sup> – 12<sup>th</sup> grade students*

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. Acoustic and nylon string guitars are preferred but not required. This class may only be taken once.

**53.0851702**

### **Intermediate Guitar CP (Y)**

*Offered to 9<sup>th</sup> – 12<sup>th</sup> grade students*

*Pre-requisite; Beginning Guitar or Audition*

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, 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. This class may only be taken once.

**53.0861703**

### **Advanced Guitar CP (Y)**

*Offered to 9<sup>th</sup> - 12<sup>th</sup> grade students*

*Audition required*

This course is for students with advanced knowledge of the fret board on the guitar. Students learn 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 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.

**53.0140704**

### **Music Appreciation CP (S)**

*Offered to 10<sup>th</sup> – 12<sup>th</sup> grade students*

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. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

**53.0210705**                      **Music Theory CP (S)**  
*Offered to 9<sup>th</sup> - 12<sup>th</sup> grade students (Second Semester only)*                      *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.

**53.0230741**                      **Advanced Placement Music Theory (Y)**  
*Offered to 11<sup>th</sup> - 12<sup>th</sup> grade students*                      *Department approval required*  
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 they are required to take the AP exam in May. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

**53.0000706**                      **Concert Band CP (S)**  
*Offered to 9<sup>th</sup> - 12<sup>th</sup> grade students*                      *Audition/Interview required for new students*  
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. Members of the Concert Band are automatically enrolled in Concert Jazz Band or Symphonic Band (as advised by the director) for second semester. 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.

**53.0000710**                      **Concert Jazz Band CP (S)**  
*Offered to 9<sup>th</sup> - 12<sup>th</sup> grade students*                      *Audition/Interview required for new students*  
*Pre-requisite: Concert Band or Marching Band*  
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.

**53.0000707**                      **Marching Band-Wind Instrument CP (S)**  
*Offered to 9<sup>th</sup> -12<sup>th</sup> grade students*                      *Audition/Interview required for new students*  
Students must have at least one year of instruction on a brass or woodwind 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.

**53.0000708**                      **Marching Band-Percussion CP (S)**  
*Offered to 9<sup>th</sup> - 12<sup>th</sup> grade students*                      *Audition/Interview required for new students*  
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.

**53.0000709****Symphonic Band CP (S)***Offered to 9<sup>th</sup> – 12<sup>th</sup> grade students**Audition/Interview required for new students*

In order to be eligible for this course, 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.

**53.0000700****Advanced Drumset Applications I CP (S)***Offered to 9<sup>th</sup> – 12<sup>th</sup> grade students**Audition/Interview required for new students*

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.

## FOREIGN LANGUAGE

### SPECIAL NOTICES:

#### 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 month of January and again in March 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 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.

#### 60.0110714

#### **French I CPA (Y)**

*Offered to 9<sup>th</sup> – 12<sup>th</sup> grade students*

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 high levels 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 entirely in French.

#### 60.0120715

#### **French II CPA (Y)**

*Offered to 9<sup>th</sup> – 12<sup>th</sup> grade students*

*Department approval required*

This multi-media course continues the study of French language and culture on a more advanced level and at an accelerated pace. Students are required to communicate in French at all times 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 entirely in French.

#### 60.0130732

#### **French III H (Y)**

*Offered to 10<sup>th</sup> – 12<sup>th</sup> grade students*

*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.

#### 60.0140733

#### **French IV H (Y)**

*Offered to 11<sup>th</sup> and 12<sup>th</sup> grade students*

*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 prerequisite for students who wish to enroll in the AP French course.

## FOREIGN LANGUAGE (continued)

**60.0170743**                      **Advanced Placement French Language and Culture (Y)**  
*Offered to 12<sup>th</sup> grade students only*                      *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.

**60.0710717**                      **Spanish I CPA (Y)**  
**60.0710724**                      **Spanish I CP (Y)**  
*Offered to 9<sup>th</sup> – 12<sup>th</sup> grade students*

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 fully 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. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

**60.0720718**                      **Spanish II CPA (Y)**  
**60.0720725**                      **Spanish II CP (Y)**  
*Offered to 9<sup>th</sup> – 12<sup>th</sup> grade students*                      *Department approval required*

Spanish II continues a more thorough study of Spanish vocabulary, grammar, syntax, and culture. Technology is fully 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. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

**60.0720735**                      **Spanish II H (Y)**  
*Offered to 10<sup>th</sup> – 12<sup>th</sup> grade students*                      *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 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 Spanish. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

**60.0730719**                      **Spanish III CPA (Y)**  
**60.0730726**                      **Spanish III CP (Y)**  
*Offered to 10<sup>th</sup> – 12<sup>th</sup> grade students*                      *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 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 Spanish. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.



## FOREIGN LANGUAGE (continued)

**60.0730738**

**Spanish III H (Y)**

*Offered to 10<sup>th</sup> – 12<sup>th</sup> grade students*

*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 fully 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. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

**60.0740711**

**Spanish IV CPA (Y)**

*Offered to 10<sup>th</sup> – 12<sup>th</sup> grade students*

*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. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

**60.0740737**

**Spanish IV H (Y)**

*Offered to 10<sup>th</sup> – 12<sup>th</sup> grade students*

*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. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

**60.0770740**

**Advanced Placement Spanish Language (Y)**

*Offered to 11<sup>th</sup> and 12<sup>th</sup> grade students*

*Department approval required*

*Prerequisite – 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. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

**61.0410712**

**Latin I CPA (Y)**

*Offered to 9<sup>th</sup> – 12<sup>th</sup> grade students*

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. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

**61.0420717**

**Latin II CPA (Y)**

*Offered to 9<sup>th</sup> – 12<sup>th</sup> grade students*

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. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

## FOREIGN LANGUAGE (continued)

**61.0430733**

**Latin III H (Y)**

*Offered to 11<sup>th</sup> and 12<sup>th</sup> grade students*

*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 begin reading ancient Roman authors and respond to readings in essays. This course serves as a transition to Latin IV or AP Latin and more extensive study of classical Latin literature.

**61.0470742**

**Advanced Placement Latin (Y)**

*Offered to 11<sup>th</sup> and 12<sup>th</sup> grade students*

*Department approval required*

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.

## **GUIDANCE-RELATED**

**99.0000789**                    **Freshman Study Support (Y)** Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

**99.0000790**                    **Sophomore Study Support (Y)** Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

**99.0000791**                    **Junior Study Support (Y)**

**99.0000792**                    **Senior Study Support (Y)**

Study Support provides a variety of assistance to students including tutoring and helping with 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.

## MATHEMATICS

- 27.0610714**                    **Algebra I CPA (Y)**  
**27.0610721**                    **Algebra I CP (Y)**  
*Required of 9<sup>th</sup> grade students*                    *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.
- 27.0610731**                    **Algebra I H (Y)**  
*Required of 9<sup>th</sup> grade students*                    *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.
- 27.0902711**                    **Math II CP (Y)**  
*Required of 9<sup>th</sup> grade students*                    *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. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.
- 27.0630718**                    **Geometry CPA (Y)**  
**27.0630722**                    **Geometry CP (Y)**  
*Required of 9<sup>th</sup> and 10<sup>th</sup> grade students*                    *Department approval required*
- 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.
- 27.0630732**                    **Geometry H (Y)**  
*Required of 9<sup>th</sup> and 10<sup>th</sup> grade students*                    *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.
- 27.0640715**                    **Algebra II CPA (Y)**  
**27.0640725**                    **Algebra II CP (Y)**  
*Required of 10<sup>th</sup> and 11<sup>th</sup> grade students*                    *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.
- 27.0650733**                    **Algebra II/Trigonometry H (Y)**  
*Required of 10<sup>th</sup> and 11<sup>th</sup> grade students*                    *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.
- 27.0661716**                    **Algebra III/Trigonometry CPA (Y)**  
*Required of 12<sup>th</sup> grade students*                    *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.

## MATHEMATICS (continued)

**27.0661726**

**Algebra III CP (Y)**

*Required of 12<sup>th</sup> grade students*

*Department approval required  
Prerequisite – 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.

**27.0670717**

**Analysis CPA (Y)**

*Required of 11<sup>th</sup> and 12<sup>th</sup> grade students*

*Department approval required*

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

**27.0670735**

**Analysis H (Y)**

*Required of 11<sup>th</sup> and 12<sup>th</sup> grade students*

*Department approval required*

Honors Analysis (Pre-Calculus) is designed to review the higher-level math skills in preparation for Calculus in college. These include trigonometry, logarithmic and exponential functions, quadratic equations, and matrices. Some new topics include the study of polynomial functions, vectors, and polar coordinates.

**27.0710736**

**Calculus H (Y)**

*Required of 11<sup>th</sup> and 12<sup>th</sup> grade students*

*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.

**27.0720746**

**Advanced Placement Calculus AB (Y)**

*Required of 12<sup>th</sup> grade students*

*Department approval required  
Prerequisite – Analysis H*

AP Calculus AB 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. All students are required to take the AP exam.

**27.0730747**

**Advanced Placement Calculus BC (Y)**

*Required of 12<sup>th</sup> grade students*

*Department approval required  
Prerequisite – 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.

**27.0750737**

**Advanced Calculus H (Y) – Not offered in 2014-2015**

*Offered to 12<sup>th</sup> grade students*

*Department approval required  
Prerequisite – 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.

**27.0510712**

**Statistics CPA (Y)**

*Required of 11<sup>th</sup> and 12<sup>th</sup> grade students*

*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.

## MATHEMATICS (continued)

**27.0740740**

### **Advanced Placement Statistics (Y)**

*Required of 10<sup>th</sup>, 11<sup>th</sup>, and 12<sup>th</sup> grade students*

*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.

## PHYSICAL EDUCATION AND HEALTH

**36.0510701**

**Personal Fitness CP (S)**

*Required once of all students in grades 9 - 12*

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.

**17.0110703**

**Health CP (S)**

*Required of 9th grade students*

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.

**36.0220702**

**Lifetime Sports CP (S)**

*Offered to 10th - 12th grade students*

*Prerequisite – 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. The course may be taken a second time for credit.

**36.0210703**

**Team Sports CP (S)**

*Offered to 10th - 12th grade students- not being offered 2014-2015*

*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.

**36.0540707**

**Girls' Weight Training CP (S)**

**36.0540708**

**Boys' Weight Training CP (S)**

*Offered to 10<sup>th</sup> – 12<sup>th</sup> grade students*

*Department approval required*

*Prerequisite – Personal Fitness*

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.

## SCIENCE

In order to graduate in the State of Georgia, all students are required to have earned 4 Science credits. 1 each is required from Biology, Chemistry, and Physical Science. The 4th course can be either a Life or a Physical Science.

### Life Sciences

**26.0130714**                    **Biology CPA (Y)**

**26.0130722**

**Biology CP (Y)**

*Required for graduation*

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. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

**26.0130733**                    **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. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

**26.0140741**                    **Advanced Placement Biology (Y)**

*Department approval required*

*Prerequisite – Biology and Chemistry*

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. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

**26.0730713**                    **Anatomy and Physiology CPA (Y)**

*Offered to 11<sup>th</sup> and 12<sup>th</sup> grade students*

*Department approval required*

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. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.



## SCIENCE (continued)

**26.0000714**

**Marine Biology CPA (Y)**

*Offered to 12<sup>th</sup> grade students*

*Department approval required*

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. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

**26.0710719**

**Zoology CPA (Y)**

*Offered to 11<sup>th</sup> grade students*

*Department approval required*

*Prerequisite – Biology and Chemistry*

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. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

### Physical Sciences

**40.0510715**

**Chemistry CPA (Y)** Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

**40.0510725**

**Chemistry CP (Y)**

*Required for graduation*

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.

**40.0510733**

**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. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

## SCIENCE (continued)

**40.0930711**

**Forensics CPA (Y)**

*Offered to 11<sup>th</sup> and 12<sup>th</sup> grade students*

*Department approval required*

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. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

**40.0530743**

**Advanced Placement Chemistry (Y)**

*Offered to 11<sup>th</sup> and 12<sup>th</sup> grade students*

*Department approval required*

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 1 ½ 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. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

**40.0810716**

**Conceptual Physics CPA (Y)**

*Prerequisite –Biology, Chemistry, and Algebra II*

**40.0810717**

**Physics CPA (Y)**

*Prerequisite – Biology, Chemistry, Algebra II/Trig or Analysis*

*Offered to 11<sup>th</sup> and 12<sup>th</sup> grade students*

*Department approval required*

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. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

**40.0840745**

**Advanced Placement Physics C (Mechanics) (Y)**

*Offered to 11<sup>th</sup> and 12<sup>th</sup> grade students*

*Department approval required*

*Prerequisite-Must be presently 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 1 hour of homework per night and they are required to take the Advanced Placement Physics C examination in May.

**40.0840747**

**Advanced Placement Physics 1 (Y)**

*Offered to 11<sup>th</sup> and 12<sup>th</sup> grade students*

*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. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.



## SOCIAL STUDIES (continued)

**45.0310716**                      **Sociology CP (S)**  
*Offered to 11<sup>th</sup> and 12<sup>th</sup> grade students*                      *Department approval required*

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. A naturalistic observation and analysis is required of all students. Writing and research assignments will incorporate APA style.

**45.0830711**                      **World History CPA (Y)**  
**45.0830724**                      **World History CP (Y)**  
*Required of 10<sup>th</sup> grade students*

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. During second semester, a short research paper using Chicago format is required.

**45.0811740**                      **Advanced Placement World History (Y)**  
*Required of 10<sup>th</sup> grade students*                      *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. A major research paper in Chicago format is required. 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.

**45.0810712**                      **United States History CPA (Y)**  
**45.0810725**                      **United States History CP (Y)**  
*Required of 11<sup>th</sup> grade students*

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. A major research paper in Chicago format is required.

**45.0820741**                      **Advanced Placement United States History (Y)**  
*Required of 11<sup>th</sup> grade students*                      *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 during the fall semester. 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.

**45.0570713**                      **American Government: The Political Process CPA (S)**  
**45.0570726**                      **American Government: The Political Process CP (S)**  
*Required of 12<sup>th</sup> grade students and offered to 11<sup>th</sup> grade students*                      *Department approval required*

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.

## **SOCIAL STUDIES (continued)**

**45.0530742**                      **Advanced Placement Government and Politics: Comparative (S)**  
*Required of 12<sup>th</sup> grade students*    *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. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

**45.0520743**                      **Advanced Placement American Government and Politics: United States (S)**  
*Required of 12<sup>th</sup> grade students*    *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.

**45.0630744**                      **Advanced Placement Microeconomics (S)**  
*Required of 12<sup>th</sup> grade students*    *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.

**45.0620745**                      **Advanced Placement Macroeconomics (S)**  
*Required of 12<sup>th</sup> grade students*    *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.

**45.0610714**                      **Economics CPA (S)**  
**45.0610727**                      **Economics CP (S)**  
*Required of 12<sup>th</sup> grade students and offered to 11<sup>th</sup> grade students*

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.

**45.0840746**                      **Advanced Placement Modern European History (Y)**  
*Offered to 12<sup>th</sup> grade students*    *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 1 hour of homework per night and they are required to take the AP exam in May.

## THEOLOGY

**Works of Mercy Requirement:** All students will have the opportunity for Christian growth and development of Catholic values. Students must complete 5 Apostolic Projects per year. Each project must be no less than 2 hours in length. Of the 5 projects at least 3 must be from the Works of Mercy list found on the spx.org website. The remaining 2 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, Seniors who do not complete the requirement will not be allowed to walk at the graduation ceremony. 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.

### **99.0000702**                      **Survey of Catholic Christianity CP (Y)**

*Optional selection for 9<sup>th</sup> grade students*

This course is an overview of the Catholic Church through the lens of history and Church Tradition. It is intended 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). The goal of the course is 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. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

### **99.0000704**                      **Basics of Catholicism CP (Y)**

*Required of 9<sup>th</sup> grade students*

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. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

### **99.0000712**                      **Introduction to World Religions CP (S)**

*Offered to 9<sup>th</sup> grade students*

This survey course introduces students to the belief systems and practices of four major world religions: Hinduism, Buddhism, Judaism, and Islam. Additionally, the final unit addresses contemporary religious trends in America. The structure of the course provides objective information about these religious expressions while also comparing and contrasting them with Christianity, for the purpose of helping students better understand and dialogue with the people who practice these traditions. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

### **99.0000706**                      **Hebrew Scriptures CP (S)**

*Required of 10<sup>th</sup> grade students*

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*. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

### **99.0000709**                      **Christian Testament CP (S)**

*Required of 10<sup>th</sup> grade students*

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. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

**99.0000717**

**Church History CP (Y)**

*Required of 11<sup>th</sup> grade students*

This course is designed to give students an insight into the institutional expression of faith and to show how that expression has grown and developed through history. Special emphasis is given to the people and events that have shaped the community of believers through the centuries. The first semester covers history to the Reformation in Europe. Second semester will begin with the Reformation and will pay particular attention to the Catholic Church in the United States. There will also be a survey of expressions of Christianity that developed in the United States. The course will conclude with a unit on contributions of Catholicism to Western culture. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

**99.0000725**

**Catholic Principles of Love and Vocations CP (S)**

*Offered to 11<sup>th</sup> – 12<sup>th</sup> grade students*

This course is designed for 11<sup>th</sup> and 12<sup>th</sup> 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.

**99.0000723**

**Apologetics and Life Ethics CP (S)**

*Required of 12<sup>th</sup> grade students*

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.

**99.0000724**

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

*Required of 12<sup>th</sup> grade students*

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. Students in this course will be required to bring their own device to class every day. Minimum specifications for devices can be found on page 32.

## 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. These courses can be found in the 2014-2015 Course Catalog located on the [spx.org](http://spx.org) web site under Academics. 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.

### Specifications

The following are the **minimum** specifications for devices brought to school.

#### All Devices

- Ability to connect consistently to the wireless network
- Ability to operate normally on a daily basis (This includes battery, booting up, running without errors, and speed of use.)
- Students are expected to bring the device fully charged each day. (Extension cord and surge protector use in classrooms is limited by the Fire Marshall.)

#### 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)

#### Tablet Devices (*an attachable keyboard is highly recommended*)

- Apple iPad (running iOS 7 or higher)
- Android-based tablet (running Android 4.1 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 < 7 inches (including but not limited to cell phones)
- Amazon Kindles
- Barnes and Noble Nooks