

**Seton LaSalle
Catholic High School**



**Program of Studies
2020-2021**

Program of Studies: Introduction

Seton LaSalle Catholic High School, as a Catholic institution, recognizes its dual mission to promote spiritual development and academic excellence. The academic program at Seton LaSalle is designed to help the students develop as Christian men and women intellectually and spiritually, and to provide motivation and preparation for a lifetime of study and work. As a school community, we accept the great diversity of intellectual ability within our student body. We encourage our students to strive to their highest level of achievement.

Learning is dynamic, reflecting an ever-evolving knowledge base. The total development of the Seton LaSalle student includes logical interpretation of events based on the laws of science and nature, critical analysis of the written word, creativity, deductive and inductive reasoning, appreciation of the fine arts, manual dexterity, and understanding of foreign languages and other cultures. Other dimensions of our intellectual approach are recognition of the importance of the past and its implication for the present and future, and respect for the opinions of others.

All levels of our course offerings are college preparatory in nature, and the Program of Studies is designed for the majority of students to learn at the Academic (AC) level. In order to qualify for Honors (HN) and/or Advanced Placement (AP) level courses, students must demonstrate mastery of content and skills in their pre-requisite courses and, in most cases, receive a teacher recommendation to move into these intense, high-level learning courses. Teacher recommendations are based on students' current level of commitment to diligent work in their current courses, as well as formative and summative course assessments, and standardized test scores. Our goal is to place students into the course levels in which they will experience success and demonstrate academic achievement.

Course Offerings by Department

* Courses highlighted in yellow indicate new course offerings

RELIGION

110	AC Foundations of Christianity
111	AC Introduction to Catholic Christianity
121	AC Scriptures
137	AC Sacraments and Morality
139	CIHS Sacraments and Morality
143	AC Vocations and Ethics
145	CIHS Vocations and Ethics
153	HN Philosophy I -- Intro to Philosophy
154	HN Philosophy II -- Special Topic Seminar
155	HN Holocaust Studies
156	HN Great Ideas

ENGLISH

200	Developmental Reading
205	Writing Lab
207	AC English for International Students 1
208	AC English for International Students 2
211	Composition 1 / Prose 1
212	AC Composition 1 / Prose 1
213	HN Composition 1 / Prose 1
221	Composition 2 / Poetry and Drama
223	AC Composition 2 / Poetry and Drama
225	HN Composition 2 / Poetry and Drama
231	American Literature
233	AC American Literature
234	HN Language and Composition
236	AP Language and Composition
241	Literary Forms
242	AC Literary Forms
245	HN Literature and Composition
243	AP Literature and Composition
246	AC Humanities A (first semester)
248	AC Humanities B (second semester)

SOCIAL STUDIES

311	World Cultures 1 and 2
312	AC World Cultures 1 and 2
313	HN World Cultures 1 and 2
321	World Cultures 3
322	U.S. History 1
323	AC World Cultures 3
324	AC U.S. History 1
325	HN World Cultures 3
326	HN U.S. History 1
331	U.S. History 2 and 3
332	AC U.S. History 2 and 3
333	HN U.S. History 2 and 3
335	AP U.S. History
341	American Government
342	AC American Government
343	Economics
344	AC Economics
345	HN American Government
346	HN Economics
347	AP European History
351	HN History of Pittsburgh 1
352	HN History of Pittsburgh 2
353	AC Current Events 1
355	AC Current Events 2
357	AC Psychology
358	AC Sociology
361	AP U.S. Government and Politics

MATHEMATICS

206	Math Lab
511	Algebra 1
512	AC Algebra 1
521	Geometry
522	AC Geometry
524	HN Geometry
532	Algebra 2
533	AC Algebra 2
536	HN Algebra 2
535	HN Statistics
561	AC Trig/Pre-Calculus
562	HN Trig/Pre-Calculus
546	AP Calculus AB
548	HN Calculus
549	AP Calculus BC
560	Business Math
563	AC Introduction to Calculus
539	Algebra 3

SCIENCE

411	Introduction to Science
412	AC Introduction to Science
413	HN Biology
420	Biology
421	AC Biology
423	HN Chemistry
431	Chemistry
433	AC Chemistry
443	AC Physics
444	HN Physics
445	AP Biology
447	AC Human Anatomy / Physiology
449	AP Chemistry
452	AC Environmental Science
455	AC Astronomy
456	AP Physics C: Mechanics
490	AC Robotics

WORLD LANGUAGES

051	English as a Second Language Pullout 1
052	English as a Second Language Pullout 2
201	AC English as a Second Language 1
202	AC English as a Second Language 2
203	AC English as a Second Language 3
600	French 1
601	AC French 1
602	French 2
603	AC French 2
604	HN French 2
605	AC French 3
606	HN French 3
607	HN French 4
641	AP French Language and Culture
608	HN French 5
610	Spanish 1
611	AC Spanish 1
612	Spanish 2
613	AC Spanish 2
614	HN Spanish 2
615	AC Spanish 3
616	HN Spanish 3
617	HN Spanish 4
640	AP Spanish Language and Culture
618	HN Spanish 5
621	AC Latin 1
622	AC Latin 2
624	HN Latin 4
625	HN Latin 5
626	HN Latin 3
632	HN Latin 2

HEALTH/PHYSICAL EDUCATION

714	AC Freshman PE
715	AC Health 2 - Healthy Living
716	AC Sophomore PE
717	AC Health 1
724	AC Girls Physical Education 2
725	AC Girls Physical Education 3
737	AC Boys Physical Education 2
738	AC Boys Physical Education 3
740	AC Independent Physical Education
741	AC Independent Physical Education

FINE ARTS

905	AC Mixed Chorus
907	AP Music Theory
911	AC Ceramics 1
912	AC Ceramics 2
913	AC Calligraphy
914	AC Design
915	AC Painting and Color
916	AC Fiber Arts
917	AC Drawing
919	AC Crafts 1
921	AC Art 1
922	AC Art 2
923	AC Art 3 and 4
929	AC Crafts 2
941	HN Art History
935	AP Art History
951	AC Theatre 1
952	AC Theatre 2
953	AC Theatre 3
954	AC Theatre 4
962	AP Studio Art - Drawing
963	AP Studio Art - 2D
964	AP Studio Art - 3D
970	AC Freshman Concert Band 1
972	HN Freshman Marching Band 1
975	AC Concert Band 2
977	HN Marching Band 2
978	AC Concert Band 3
979	HN Marching Band 3
980	AC Concert Band 4
981	HN Marching Band 4
990	AC Modern Media
991	HN Modern Media 2
982	HN Music Theory
984	AC Enjoyment of Music 1 (1st semester)
985	AC Enjoyment of Music 2 (2nd semester)

BUSINESS & INFORMATION TECHNOLOGY

809	AC Introduction to Information Technology
819	AC Introduction to Programming
835	AC Accounting 1
839	AC Business Law
840	AC Business Management
845	HN Accounting 2
870	HN Computer Programming
871	AP Computer Science A
873	AP Computer Science Principles

FRASSATI-MOLLA SCHOLARS PROGRAM

063	Frassati-Molla Scholars Program 10
064	Frassati-Molla Scholars Program 11
065	Frassati-Molla Scholars Program 12

Course Descriptions by Department

RELIGION

- 110** **AC Foundations of Christianity**
Grade: By placement, any grade
Enrollment: By placement only
Prerequisites: None
Periods per cycle: 4
Credit: 1.0

In this course, participants will learn the foundational elements of belief in Jesus Christ and in His message, as transmitted through Sacred Scripture and Church tradition. This course will consider God's self-revelation to humankind in salvation history and to each individual person as a God of love, justice and mercy.

- 111** **AC Introduction to Catholic Christianity**
Grade: 9
Enrollment: Required
Prerequisites: None
Periods per cycle: 4
Credit: 1.0

Catholic Christianity: Introduction to the Church and the Old Testament - This course is an introduction to sacred scripture, both the Old and the New Testament. The course presumes no prior knowledge of Catholic Church teaching, nor the study of the Bible. The Bible will be studied for its content, authorship and style. An understanding of criteria for interpretation of scripture and appreciation of the spiritual and literal sense through exegesis of the scriptures will be taught. The study of Divine Revelation, as seen in the writings of the Old and New Testaments and fully made known in the person of Jesus Christ, will be explored. A progression will develop in the understanding of God as a Trinity of Persons, Jesus as human and divine, and how Jesus reveals to all people their own humanity. The course will end with an emphasis on personal holiness and the importance of prayer in the faith life of a follower of Christ.

- 121** **AC Scriptures**
Grade: 10
Enrollment: Required
Prerequisites: None
Periods per cycle: 4
Credit: 1.0

Jesus in Scripture – This course explores the Catholic understanding of salvation history beginning with The Fall in the book of Genesis and ending with the Paschal Mystery, the fullness of redemption. The course finishes with a look to the future when Christ will come again. A process of conversion will be encouraged as a personal call to holiness. This is an Ecclesiology course, where students will study the development of the Catholic Church, beginning with Pentecost, continuing with the role of the Apostles in the early church, and following with the development of the hierarchy throughout the ages. A focus of study on the Church as a sign and an instrument of communion with God as understood in the four marks of the Church (one, holy, Catholic, and apostolic) will follow. The course will close with a look at the Church and how its members continue to live out their call to be Disciples of Christ.

137 **AC Sacraments and Morality**
139 **CIHS Morality**
Grade: 11
Enrollment: Required
Prerequisite: None
Periods per cycle: 4
Credit: 1.0

Sacraments and Morality– This course is an in-depth study of the Catholic Sacraments, with focus on the Sacraments of Initiation and Healing. The role of signs and symbols in daily life is treated in an attempt to prepare students for a critical understanding of symbolic actions, purpose, origin, history and theology of each of the Sacraments as recognized by the Roman Catholic Church. Students are encouraged to participate in the Church’s sacramental life as a means to encounter Jesus and an opportunity to grow in grace, leading to a social and psychological study of behavioral ethics as a Catholic Christian in the modern world. To be human is to be confronted with a moral quest, and this course is designed to encourage students to examine their essential freedom as human beings, and to grapple seriously with the call of Jesus Christ to “Reform your lives and believe in the Good News.” The course concerns itself with the basic question: How are we to live? Students learn how to evaluate moral choices by looking at the sources of a moral act: the object, intention and circumstances. They are challenged to live as a disciple of Jesus and to put the Gospel of Life into daily practice.

**(Please note that CIHS is ONLY semester II -- Morality; all Juniors take AC Sacraments semester I. Timely registration is required.) Students who successfully complete this course with a C average or higher are eligible for 3 college credit hours. A standard additional fee is required for this, paid to St. Vincent College, and credits are transferable to any college or university accepting course credit from St. Vincent College.*

143 **AC Vocations and Ethics**
145 **CIHS Ethics**
Grade: 12
Enrollment: Required
Prerequisite: None
Periods per cycle: 4
Credit: 1.0

Vocations and Ethics - Students will examine the dynamics of the human person, giving emphasis to the fact that each person is a loved, living, created being with a core of dignity and worth. We will also explore the dynamics of engaging with others and the essentials of healthy and compassionate relating in our one-to-one daily relationships and in the larger society. We will uncover and discuss many issues, examples and attitudes of injustice that occur in relationships and in society (locally, nationally, and internationally). And in the midst of all of this, we will learn and apply the principles of the Gospel and Catholic Social Teaching with the overall hope that it is something each of us can integrate more fully into our everyday living and involvement, thus doing our part to create a more just society. The Sacraments in Service of Vocations will be specifically focused on, to help students discern their vocation by applying the universal call to holiness to their own life. The Sacraments of Holy Orders and Matrimony are thoroughly treated with regards to purpose, origin, history and theology. Students will consider issues and choices in light of the Gospels and the Christian tradition. Information included is the preparation necessary for the reception of Holy Orders and Matrimony and the effects that follow.

**(Please note that CIHS is ONLY semester I -- Ethics; all Seniors take AC Vocations semester II. Timely registration is required.) Students who successfully complete this course with a C average or higher are eligible for 3 college credit hours. A standard additional fee is required for this, paid to St. Vincent College, and credits are transferable to any college or university accepting course credit from St. Vincent College.*

153 HN/CIHS Philosophy I -- Intro to Philosophy**Grades:** 11, 12**Enrollment:** Elective; semester I only**Prerequisite:** None**Periods per cycle:** 4**Credit:** 0.5

This course is an introduction to the history of human thought. Literally, it translates from the Ancient Greek as *love of wisdom*. In this course, students will pursue that love. It is, by nature, a college entry-level course, and presumes that students will be determined seekers of knowledge. Students must display a willingness to read source materials, be able to write clearly about readings while forming educated opinions about what they have read, and be excited about active participation in the process of debate.

**(Timely registration is required -- please do not enter this course late.) Students who successfully complete this course with a C average or higher are eligible for 3 credit hours of college Philosophy. A standard additional fee will be required for this, and credits are transferable to any college or university accepting course credit from Seton Hall University (SPL 100).*

154 HN/CIHS Philosophy II -- Special Topic Seminar**Grades:** 11, 12**Enrollment:** Elective; semester II only**Prerequisite:** *Students must have successfully completed Phil 153 with an A average.***Periods per cycle:** 4**Credit:** 0.5

This course is an advanced special topic seminar in 20th Century Existentialism. In this course, students will further pursue the 'love of wisdom' that they have developed in their Intro course. It is, by nature, a highly advanced college level course, and presumes that students will be determined seekers of knowledge. Students must display a willingness to read source materials, be able to write clearly about readings while forming educated opinions about what they have read -- based on instructor-given reflection questions, and be excited about active participation in the process of debate within the intimate setting of small-circle discussions. Discussion dates are once a week.

Students who successfully complete this course with a C average or higher are eligible for 3 credit hours of college Philosophy. A standard additional fee is required for this, paid to Seton Hall University, and credits are transferable to any college or university accepting course credit from Seton Hall University (SPL 405).

155 HN/CIHS Holocaust Studies**Grades:** 11, 12**Enrollment:** Elective**Prerequisite:** None**Periods per cycle:** 4**Credit:** 0.5

This course is an introduction to the Holocaust -- The *Shoah* -- and the humanitarian call that it poses for us today, as genocide continues in our world. Students will begin with the origins of historical Anti-Semitism and the politicizing of racial and religious elitism, consider how this became -- and still transforms today into -- segregation and violence. The course considers the moral implications of perpetrators, collaborators, bystanders and 'up-standers', and asks the major questions, "Is forgiveness possible?" and, "Who are we called to be, so that we can say, 'Never again.?'?" Students must display a willingness to read source materials, be able to write clearly about readings while forming educated opinions about what they have read, and be excited about active participation in the process of debate and research.

Students who successfully complete this course with a C average or higher are eligible for 3 college credit hours. A standard additional fee is required for this, paid to Gratz University, and credits are transferable to any college or university accepting course credit from Gratz University.

156

HN Great Ideas

Grades: 11, 12

Enrollment: Elective, Fine Arts - Full Year Course

Prerequisite: Teacher Approval

Periods per cycle: 4

Credit: 1

The Great Ideas class exists to introduce and continue to familiarize students with the ideas and viewpoints found within the greatest books of Western Civilization. This is a cross-curricular course designed to look at the Great Ideas of Western Civilization from multiple viewpoints: religion, philosophy, history, literature, psychology, science, and mathematics. In addition, we will look at the Great Ideas from the perspective of art, both music and art history; because of that, this course counts as a fine arts credit. The specific topics to be discussed will be decided by students in concert with the teacher. The student will show an interest in reading and studying the Great Books of Western Civilization and in discussing the ideas contained therein.

ENGLISH

- 200** **Developmental Reading**
Grade: 9
Enrollment: By placement, for students not yet ready to enroll in World Language courses
Prerequisites: None
Periods per cycle: 4
Credit: 1.0

The purpose of this course is to provide intensive instruction in literacy and writing through a small group setting. Effective, research-based practices are used to give students the literacy skills necessary for success in high school and beyond. These literary skills include fluency, comprehension, and vocabulary. Students will learn a variety of practices to use before, during, and after reading.

- 205** **Writing Lab**
Grade: 9
Enrollment: By placement
Prerequisites: None
Periods per cycle: 4
Credit: 0.5

The purpose of this course is to provide writing instructional support through research-based practices are used to give students the writing skills necessary for success in high school and beyond.

- 211** **Composition 1 / Prose 1**
Grade: 9
Enrollment: By placement
Prerequisites: None
Periods per cycle: 4
Credit: 1.0

Composition 1 (one semester) is designed for the student who has experienced a degree of difficulty in the mastery of basic language skills. Language, grammar, mechanics, vocabulary, and composition skills are taught so that each student develops a more proficient prose style.

Prose 1 (one semester) reinforces the reading skills of students through the study of both nonfiction (essay and biography) and fiction (the short story and novel), as well as poetry and plays.

Basic research is taught so that the student may acquire skills in supporting opinions and to enhance knowledge of backgrounds of materials read.

- 212** **AC Composition 1 / Prose 1**
Grade: 9
Enrollment: By placement
Prerequisites: None
Periods per cycle: 4
Credit: 1.0

AC Composition / Prose 1 emphasizes a thorough knowledge of the basic structures of prose forms and literary elements. Students are required to produce expository and persuasive papers as well as bi-weekly creative writing assignments. This

course introduces the student to a variety of writings, both fiction and non-fiction. The emphasis is on form and cultural relevance, using short-stories, novels, essays, biographical work and non-fiction articles as the basis for understanding literary style and technique. Vocabulary study is integrated into the study of literature and selected college level , SAT preparatory vocabulary is systematically acquired.

213 **HN Composition 1 / Prose 1**
Grade: 9
Enrollment: By placement
Prerequisites: None
Periods per cycle: 4
Credit: 1.0

This course emphasizes the development of critical thinking and writing skills. The student in this course is challenged to read widely and in-depth. Students are required to produce expository and persuasive papers as well as weekly creative writing assignments. This course introduces the student to a variety of writings, both fiction and non-fiction. The emphasis is on form and cultural relevance, using short-stories, novels, essays, biographical work and non-fiction articles as the basis for understanding literary style and technique. Vocabulary study is integrated into the study of literature and selected college level vocabulary is systematically acquired.

221 **Composition 2 / Poetry and Drama**
Grade: 10
Enrollment: By teacher approval
Prerequisites: Passing grade in *211 - Composition 1 / Prose 1* or equivalent
Periods per cycle: 4
Credit: 1.0

Composition 2 (one semester) is designed for those students who continue to have difficulties with language skills. Language, grammar, and composition skills will be the major emphasis in Composition 2.

Poetry and Drama (one semester) is designed to familiarize students with the techniques and styles characteristic of poetic and dramatic literature. Reading and writing assignments appropriate to these goals are an integral part of the course work.

223 **AC Composition 2 / Poetry and Drama**
Grade: 10
Enrollment: By teacher approval
Prerequisites: Passing grade in *212 - AC Composition 1 / Prose 1* or equivalent
Periods per cycle: 4
Credit: 1.0

AC Composition 2 (one semester) is an intensive focus on the writing process. Students practice the step-by-step development of several multi-paragraph expository and analytical themes. A vocabulary program, a speech program, and a selective review of grammar and usage reinforce the student's mastery of the writing process. Students are required to write two literary analysis papers each quarter.

AC Poetry & Drama (one semester) is designed to familiarize each student with the technique and styles characteristic of poetic and dramatic literature through the ages. Specific works are studied in-depth, and vocabulary exercises help students to develop their critical skills.

225 **HN Composition 2 / Poetry and Drama**
Grade: 10
Enrollment: By teacher approval
Prerequisites: Passing grade in 213 - *HN Composition 1 / Prose 1* or equivalent and an overall unweighted GPA of 3.0 or higher
Periods per cycle: 4
Credit: 1.0

Honors Poetry/Drama – The focus of this course (one semester) is on the language, techniques and styles characteristic of poetic and dramatic literature. Extensive reading and writing assignments appropriate to these goals are included as a necessary and integral part of the coursework. Students are required to write two literary analysis papers each quarter.

Honors Composition 2 – This course (one semester) is for the students with a strong command of language, grammar, and composition skills. Students will strengthen these skills through intensive practice in the writing process in response to reading poetic and dramatic literature. Students are required to write two literary analysis papers each quarter.

231 **American Literature**
Grade: 11
Enrollment: By teacher approval
Prerequisites: Passing grade in either 221 - *Composition 2 / Poetry and Drama* or equivalent
Periods per cycle: 4
Credit: 1.0

American Literature is designed for students who continue to experience a level of difficulty in their reading comprehension. Unlike the academic level, the course emphasizes the reading skills and techniques rather than an emphasis on the content of the course.

233 **AC American Literature**
Grade: 11
Enrollment: Elective
Prerequisites: Passing grade in 223 - *AC Composition 2 / Poetry and Drama* or equivalent
Periods per cycle: 4
Credit: 1.0

American Literature - The theme of the “American Dream” is explored and investigated in this course. A study of select works of major American authors is made as a means of gaining some insight into the American experience as reflected in literature. Writing exercises and discussions center around the relationships between literature and other academic disciplines, e.g. history, art, and psychology. Students are required to write two literary analysis papers in each quarter.

234 **HN Language and Composition**
236 **AP Language and Composition**
Grade: 11
Enrollment: By teacher approval
Prerequisites: Passing grade in 225 - *HN Composition 2 / Poetry and Drama* or equivalent and an unweighted overall GPA of 3.0 or higher
Periods per cycle: 4
Credit: 1.0

Students in this course “engage in becoming skilled readers of prose written in a variety of periods, disciplines and rhetorical contexts and becoming skilled writers who compose for a variety of purposes and audiences.” (The College

Board) Students are also introduced to major themes and authors of the American literary tradition. **Students enrolled decide by the end of the First Quarter whether they wish to register as AP students, complete additional requirements, and take the AP examination for potential college credit at the end of the year.** These students must register for the AP examination at that time. All other students will receive Honors credit for the course. **Note:** Students wishing to enroll in the AP level course, whether in advance or after the first quarter, should choose course **236 - AP Language and Composition.**

241 **Literary Forms**
Grade: 12
Enrollment: By teacher approval
Prerequisites: Passing grade in *231 - American Literature* or equivalent
Periods per cycle: 4
Credit: 1.0

This course helps students to further develop their reading and writing skills through the study of literary forms (prose/poetry and drama) and expository writing with a focus on research and report development. Students are required to write two literary analysis papers each quarter.

242 **AC Literary Forms**
Grade: 12
Enrollment: By teacher approval
Prerequisites: Passing grade in *233 - AC American Literature* or equivalent
Periods per cycle: 4
Credit: 1.0

This course focuses on the development of literature through the ages in a variety of cultural contexts. It provides the senior student a preparation for college, examining four forms of writing - poetry, drama, prose and research. Student response, formal composition, discussion, and analysis add a final dimension to the course. Students are required to write two literary analysis papers each quarter. This course is further designed to teach the discipline of research techniques to prepare the student for college papers. Papers to validate opinions and historical events are a major part of the coursework, but some research on the current novel being studied in the class will be included.

245 **HN Literature and Composition**
243 **AP Literature and Composition**
Grade: 12
Enrollment: By teacher approval
Prerequisites: Passing grade in *235 - HN American Literature* or equivalent and an unweighted overall GPA of 3.0 or higher
Periods per cycle: 4
Credit: 1.0

Students are introduced to the principles of literary theory by means of literary analysis, seminar discussions and writing exercises. Emphasis is on the study of British and World literature. This course is designed to provide options for students enrolled in Honors English in previous years. **Students enrolled decide by the end of the First Quarter whether they wish to register as AP students, complete additional requirements, and take the AP examination for potential college credit at the end of the year.** These students must register for the AP examination at that time. All other students will receive Honors credit for the course. **Note:** Students wishing to enroll in the AP level course, whether in advance or after the first quarter, should choose course **243 - AP Literature and Composition.**

246 AC Humanities: Art Appreciation/Poetry and Music (1st semester)

Grade: 10, 11, 12

Enrollment: Elective - Open to all/no prerequisites

Periods per cycle: 4

Credit: 0.5 (fulfills a semester of required Fine Arts credit)

Art Appreciation: The Sistine Chapel? The Mona Lisa? Andy Warhol soup cans? Tie dye shirts? TV Superbowl ads? The Eiffel Tower? It's all good, it's all around us, it's all art. Or is it? From ancient cave drawings to contemporary home dwellings, human nature has always found ways to give expression to a creative impulse that goes beyond the merely practical. We are, as humans, inclined to create images and objects that are original. On the highest level, we value the handmade over the mass produced. Fine art - in painting, sculpture and architecture - gives birth to style, an ever changing effort to be original and unique. Students will study style, both their own and those of generations past, as a way of understanding how art has made the world and how art makes us who we are as humans.

Poetry and Music: To say that you don't like poetry is to say that the music you listen to must only be limited to the instrumental. What are songs by the Beatles, Pink Floyd, or Bruno Mars without the lyrics to compliment the sounds? The ancient Greeks wrote their poems to be accompanied by a lyre, a small stringed instrument. Even our poems "on the page" contain within them multiple sounds (rhyme, meter, etc.) chosen by the poet to enhance their meaning. Students will study the ways in which music/poetry in the full sense give expression to the human instinct to find a special language (combining sounds and meaning) to communicate what we feel, mean and say.

248 AC Humanities: Creative Writing/Film Study (2nd semester)

Grade: 10, 11, 12

Enrollment: Elective - Open to all/no prerequisites

Periods per cycle: 4

Credit: 0.5 (This fulfills 0.5 credits toward the Fine Arts graduation requirement)

Creative Writing: Students will create and critique a portfolio of their own prose (essay, short story) and poetry that will help them better understand, appreciate and imitate the craftsmanship of professional writers. There will be opportunities to submit work to a variety of contests and to publish and perform for the appreciation of peers. Whether by a traditional short story or performance based slam-poetry presentation, there will be multiple opportunities to express often hidden human awareness.

Film Study: The most modern of art forms, film has provided a new way of documenting our imaginative experience. Whether it be a fact based documentary ("Bowling for Columbine") or an out of this world fantasy ("Star Wars"), film both directly and indirectly tells us who we are, what we are doing, and where we are headed in human history. It is a mirror of our most real and imagined moments. We will study a variety of film genres and pose as film critics in an effort to better understand this art form which dominates our culture.

SOCIAL STUDIES

311 **World Cultures 1 and 2**
Grade: 9
Enrollment: By placement
Prerequisites: None
Periods per cycle: 4
Credit: 1.0

This course will study the history and culture of important Ancient Cultures of the World through the Middle Ages. Lessons in geography will be incorporated into every unit. There will be a focus on study skills. Both the teacher and the student will integrate the use of technology into the course.

312 **AC World Cultures 1 and 2**
Grade: 9
Enrollment: By placement
Prerequisites: None
Periods per cycle: 4
Credit: 1.0

This course will study the history and culture of important Ancient Cultures of the World through the Middle Ages. Lessons in geography will be incorporated into every unit, as well as government, religion, society, family and economics. There will be a focus on study skills, cause-effect relationships, critical thinking and essay writing. Both the teacher and the student will integrate the use of technology into the course.

313 **HN World Cultures 1 and 2**
Grade: 9
Enrollment: By placement
Prerequisites: None
Periods per cycle: 4
Credit: 1.0

This course will study the history and culture of important Ancient Cultures of the World through the Middle Ages. Lessons in geography will be incorporated into every unit, as well as government, religion, society, family and economics. There will be a focus on study skills, cause-effect relationships, research techniques, essay writing and comparing and contrasting cultures. Both the teacher and the student will integrate the use of technology into the course.

321 **World Cultures 3**
Grade: 10
Enrollment: Required
Prerequisites: Passing grade in *311 - World Cultures 1 and 2* or equivalent
Periods per cycle: 4
Credit: 0.5 (first semester only)

World Cultures 3 - The course is designed around the specific needs of the student. The student will be made aware of similarities and differences between cultures utilizing specific social studies skills. The course develops skills needed for the observation and understanding of society.

322 **U.S. History 1**
Grade: 10
Enrollment: Required
Prerequisites: Passing grade in *311 - World Cultures 1 and 2* or equivalent
Periods per cycle: 4
Credit: 0.5 (second semester only)

U.S. History 1 – This is a survey course of American History for those students who have experienced difficulty in the mastery of reading skills. Emphasis will be placed on the organization of facts and awareness of the basic elements of society as they apply to the history of the United States from early discovery through the American Civil War.

323 **AC World Cultures 3**
Grade: 10
Enrollment: Required
Prerequisites: Passing grade in *312 - AC World Cultures 1 and 2* or equivalent
Periods per cycle: 4
Credit: 0.5 (first semester only)

AC World Cultures 3 is based on the study of change over periods of time in four aspects of society; economics, politics, social organization, and patterns of thought. The course will enable students to understand and appreciate different cultures and global awareness.

324 **AC U.S. History 1**
Grade: 10
Enrollment: Required
Prerequisites: Passing grade in *312 - AC World Cultures 1 and 2* or equivalent
Periods per cycle: 4
Credit: 0.5 (second semester only)

AC U.S. History 1 is a survey course of U.S. History with emphasis on the interrelationships of social, political, and economic factors. Special efforts are made to relate historical events and personalities to contemporary American society. Additional emphasis is placed on the concept of historical trends. The period from discovery through the American Civil War will be covered.

325 **HN World Cultures 3**
Grade: 10
Enrollment: Required
Prerequisites: Grade of “A” or higher in *312 - AC World Cultures 1 and 2* with recommendation or a grade of “B” or higher in *313 - HN World Cultures 1 and 2* or equivalent
Periods per cycle: 4
Credit: 0.5 (first semester only)

Honors World Cultures 3 is a continuation of Honors World Cultures 1 and 2. It will begin with the Modern period and continue to the present. It will examine the impact of changes in government, art, science, technology, and religion and its effects of the modern world.

326 **HN U.S. History 1**
Grade: 10
Enrollment: Required
Prerequisites: Grade of "A" or higher in *312 - AC World Cultures 1 and 2* with recommendation or a grade of "B" or higher in *313 - HN World Cultures 1 and 2* or equivalent
Periods per cycle: 4
Credit: 0.5 (second semester only)

Honors U.S. History 1 is an accelerated and more investigatory approach to American History which emphasizes the application of historical information to past events and evaluation of those events as they relate to current trends and policies. The course is designed to challenge the student to analyze our nation's history and draw conclusions, while encouraging the on-going development of the skills of synthesis and analysis of history. The period from discovery to the American Civil War will be covered.

331 **U.S. History 2 and 3**
Grade: 11
Enrollment: Required
Prerequisites: Passing grade in *327 - World Cultures 3 & U.S. History* or equivalent
Periods per cycle: 4
Credit: 1.0

This is a survey course of American History from the Civil War to the present designed for those students who have experienced difficulty in the mastery of reading skills. Emphasis will be placed on the organization of facts and awareness of the basic elements of society as they apply to the history of the United States.

332 **AC U.S. History 2 and 3**
Grade: 11
Enrollment: Required
Prerequisites: Passing grade in *328 - AC World Cultures 3 and AC U.S. History* or equivalent
Periods per cycle: 4
Credit: 1.0

This course is a survey course of American History from the Civil War to the present with emphasis on the interrelationships of social, political, and economic factors. Special efforts are made to relate historical events and personalities to contemporary American society. Additional emphasis is placed on the concept of historical trends.

333 **HN U.S. History 2 and 3**
Grade: 11
Enrollment: Required
Prerequisites: Grade of "A" or higher in *329 - AC World Cultures 3 and AC U.S. History* with recommendation or a grade of "B" or higher in *325/326 - HN World Cultures 3 and HN U.S. History*
Periods per cycle: 4
Credit: 1.0

The course is an accelerated and more investigatory approach to American History from the Civil War to the present. The course emphasizes the application of historical information to past events and evaluation of those events as they relate to current trends and policies. The course is designed to challenge the student to analyze our nation's history and draw conclusions. The goal of the course is to encourage the on-going development of the skills of synthesis and analysis of history. **NOTE:** This course may be combined with **Course 335 - AP US History** based upon enrollment.

335 **AP U.S. History**
Grade: 11
Enrollment: Required
Prerequisites: Grade of “A” or higher in *329 - AC World Cultures 3 and AC U.S. History* with recommendation or a grade of “B” or higher in *325/326 - HN World Cultures 3 and HN U.S. History*
Periods per cycle: 4
Credit: 1.0

This course provides an intense study of United States History from the first discovery to contemporary times. Analytical thinking skills will be developed through research papers, essays, debates, class discussions and projects. The reading requirement for this course is extensive and includes several books and articles in addition to the textbook. Summer reading is required. Students must take the Advanced Placement Test. **NOTE:** This course may be combined with **Course 333 - HN US History** based upon enrollment.

341 **American Government**
Grade: 12
Enrollment: Required
Prerequisites: Passing grade in *331 - U.S. History 2 and 3* or equivalent
Periods per cycle: 4
Credit: 0.5 (First semester only)

The course is designed for those students who experience difficulty in conceptual skills. The course emphasizes fundamental facts and organization of the Federal Government. The goal is to achieve for the student a clear awareness of what the government is and what it does.

342 **AC American Government**
Grade: 12
Enrollment: Required
Prerequisites: Passing grade in *332 - AC U.S. History 2 and 3* or equivalent
Periods per cycle: 4
Credit: 0.5 (First semester only)

This course is designed to acquaint the student with the Federal Government. This is accomplished by stressing the individual governing bodies on the federal level: the Executive, Legislative, and Judicial branches.

343 **Economics**
Grade: 12
Enrollment: Required
Prerequisites: Passing grade in *331 - U.S. History 2 & 3* or equivalent
Periods per cycle: 4
Credit: 0.5 (Second semester only)

The course is designed for students who experience difficulty in conceptual skills. The course emphasizes practical aspects of the economy such as the operation of banking, the money system and how prices are determined. The goal is to achieve for the student a basic understanding of how an economy works. In addition, a basic E.Q. (Economic Quotient) will be established for each student.

344 **AC Economics**
Grade: 12
Enrollment: Required
Prerequisites: Passing grade in 332 - *AC U.S. History 2 and 3* or equivalent
Periods per cycle: 4
Credit: 0.5 (Second semester only)

The course is designed to acquaint the student with the workings of the American market economy. Major topic areas are such as supply and demand, money, banking, GNP, national debt, the Federal Reserve System, and others. The objective of the course is to raise and improve the student's understanding of economics.

345 **HN American Government**
Grade: 12
Enrollment: By approval
Prerequisites: Grade of "A" or higher in 332 - *AC U.S. History 2 and 3* with recommendation or a grade of "B" or higher in 333 - *HN AC U.S. History 2 and 3* or equivalent
Periods per cycle: 4
Credit: 0.5 (First semester only)

The course emphasizes an advanced understanding of the fundamental principles of government, with a focus on United States Government and the U.S. Constitution. The goal of the course is for students to have a clear understanding of what the Government is, what it does, and how they can be actively engaged in it.

346 **HN Economics**
Grade: 12
Enrollment: By approval
Prerequisites: Grade of "A" or higher in 332 - *AC U.S. History 2 & 3* with recommendation or a grade of "B" or higher in 333 - *HN AC U.S. History 2 and 3* or equivalent
Periods per cycle: 4
Credit: 0.5 (Second semester only)

The course emphasizes key economic principles and translates them into real life applications. Students will gain a basic understanding of the nature of the U.S. economy and the impact of global economic trends.

347 **AP European History**
Grade: 12
Enrollment: By approval
Prerequisites: Grade of "A" or higher in 332 - *AC U.S. History 2 and 3* with recommendation, or a grade of "B" or higher in 333 - *HN U.S. History 2 and 3*, or a grade of "B" or higher in 335 - *AP U.S. History 2 and 3* or equivalent
Periods per cycle: 4
Credit: 1.0

This is a college-level introductory course in Western Civilization from the late middle ages (1450 A.D.) through the World War II years (1945 and following). The themes of modern European History to be covered in the course are: A) Political and Diplomatic History; B) Economic and Social History; C) Intellectual and Cultural History. Students accepted into the course will be required to take the Advanced Placement History Exam and/or enroll in the A College in High School Program for credit.

351 HN Pittsburgh History 1 (1st semester)

Grade: 11, 12

Enrollment: By approval

Prerequisites: none

Periods per cycle: 4

Credit: 0.5

A study of the history and culture of Pittsburgh and Western Pennsylvania, this course is offered to junior and seniors. Students will study the geography of the region, the early history including Native Americans, colonial times through the industrial age. Important people, events and innovations will be featured. This is a project based course that will employ the arts, photography, poetry/literature and group work, and guest speakers. To enroll a student must commit to a number of field trips outside of school hours, after school, evenings and/or weekends.

351 HN Pittsburgh History 2 (2nd semester)

Grade: 11, 12

Enrollment: By approval

Prerequisites: none

Periods per cycle: 4

Credit: 0.5

This is a study of the history and culture of Pittsburgh since the end of the industrial era. Themes will include important contributions of Pittsburgh to business, industry, politics, architecture, sports, art, music, Pittsburgh neighborhoods and "Holy Pittsburgh." This is a project based course that will employ the arts, photography, poetry/literature and group work, and guest speakers. To enroll a student must commit to a number of field trips outside of school hours, after school, evenings and/or weekends.

353 AC Current Events 1

Grades: 11, 12

Enrollment: Elective

Prerequisites: None

Periods per cycle: 4

Credit: 0.5 (first semester only)

Current Events 1 will increase the student awareness of past and present events as they break in the media. This will be done by exploring and discussing topics on the local, national, and international level. A wealth of materials will be made available to the students in current events to enhance the development of analytical skills. Current Events is offered both semesters (Currents Events 1 and Currents Events 2) receiving a full credit if taken and passed for the full year, a half credit for one semester. If a student fails 353 - Current Events 1 the student **CANNOT** take 355 - Current Events 2 for the Current Events 1 credit.

355 AC Current Events 2

Grades: 11, 12

Enrollment: Elective

Prerequisites: Passing grade in 353 - *Current Events 1*

Periods per cycle: 4

Credit: 0.5 (second semester only)

Current Events 2 will increase the student awareness of past and present events as they break in the media. This will be done by exploring and discussing topics on the local, national, and international level. A wealth of materials will be made available to the students in current events to enhance the development of analytical skills. Current Events is offered both

semesters (Currents Events 1 and Currents Events 2) receiving a full credit if taken and passed for the full year, a half credit for one semester. If a student fails 353 - Current Events 1 the student **CANNOT** take 355 - Current Events 2 for the Current Events 1 credit.

357 **AC Psychology**
Grades: 11, 12
Enrollment: Elective
Prerequisites: None
Periods per cycle: 8
Credit: 0.5 (First semester only)

Psychology examines the behavior of individuals. Specific attention is given to key questions such as: How does your personality develop? How can one learn more efficiently? Which is more influential -- heredity or environment? Influential psychologists and their theories will be examined. Participation in class discussions is an integral part of the course.

358 **AC Sociology**
Grades: 11, 12
Enrollment: Elective
Prerequisites: None
Periods per cycle: 4
Credit: 0.5 (Second semester only)

Sociology explores the interaction of groups. It is interested in expanding the students knowledge of human relationships. Included is an understanding of encounters with family and peer groups, as well as the influence of larger institutions and organizations within society. Social problems, such as crime, poverty and aging are discussed. Participation in class discussions is an integral part of the course.

361 **AP U.S. Government and Politics**
Grade: 12
Enrollment: By approval
Prerequisites: Grade of "A" or higher in 332 - *AC U.S. History 2 & 3* with recommendation, or a grade of "B" or higher in 333 - *HN U.S. History 2 and 3*, or a grade of "B" or higher in 335 - *AP U.S. History 2 and 3* or equivalent
Periods per cycle: 4
Credit: 1.0

AP US Government and Politics is the study of the United States national government's policies, institutions, and foundations. Topics in the course will include, but not be limited to: (a) Constitutional theories forming the basis of government, (b) political beliefs and behaviors, (c) political parties, interest groups, and the mass media, (d) the Congress, presidency, bureaucracy, and Federal court system, (e) public policy, and (f) civil rights and civil liberties. This course gives students an analytical perspective on American government and politics that prepares them to take the AP US Government and Politics exam.

SCIENCE

411 **Introduction to Science**
Grade: 9
Enrollment: By placement
Prerequisites: None
Periods per cycle: 4
Credit: 1.0

This course serves as an introduction to the high school science curriculum but is geared for the student who has struggled with math and reading. Basic laboratory skills are introduced. Laboratory experiences emphasize making valid measurements, observations and conclusions and writing reports. Topics include Weather and Climate, Earth Science, Sound and Light Waves, Earth's Waters, and a study of metric system conversions.

412 **AC Introduction to Science**
Grade: 9
Enrollment: By placement
Prerequisites: None
Periods per cycle: 4
Credit: 1.0

AC Introduction to Science is designed to allow students to study a variety of real world science topics and to provide them with background that will be practical for their future, whether in a science or non-science related field. In addition to providing a strong foundation in critical thinking skills, the course will develop specific skills necessary for success in AC Biology, AC Chemistry and AC Physics. A scientific calculator is required.

413 **HN Biology**
Grade: 9
Enrollment: By placement
Prerequisites: Concurrent enrollment in *524 - HN Geometry*
Periods per cycle: 4
Credit: 1.0

Honors Biology is a survey of Biological Science exclusive of Human Biology. An accelerated version of the Biology course, the range of topics includes botany, micro-organisms, genetics, invertebrate/vertebrate zoology, ecology, cytology, evolution and biochemistry. Laboratory activities and dissections of select invertebrates and vertebrates are included.

420 **Biology**
Grade: 10
Enrollment: Elective
Prerequisites: Passing grade in *411 - Introduction to Science* or equivalent
Periods per cycle: 4
Credit: 1.0

This biology course is designed for the second year science student who has experienced difficulty with related mathematics and reading courses as they relate to the study of science. This is a survey class intended to introduce and acquaint students with the vast range of biological science.

421 **AC Biology**
Grades: 9, 10
Enrollment: Elective
Prerequisites: Concurrent enrollment in 522 - *AC Geometry* (for grade 9) or passing grade in 412 - *AC Introduction to Science* (for grade 10) or equivalent
Periods per cycle: 4
Credit: 1.0

This is a survey class intended to introduce and acquaint students with the vast range of biological science. Topics investigated include: plants, microorganisms, biochemistry of nucleic acids, reproductive cytology, genetics, evolution, invertebrate and vertebrate zoology and ecology. Laboratory activities and dissections of select invertebrates and vertebrates are included.

423 **HN Chemistry**
Grades: 10, 11, 12
Enrollment: Elective
Prerequisites: Grade of "B+" or higher in 413 - *HN Biology* and a grade of "B+" or higher in 524 - *HN Geometry* or 534 - *HN Algebra 2 / Trigonometry* or equivalent
Periods per cycle: 4 + 1 double-period lab
Credit: 1.0

The Honors Chemistry class is offered to students who have a strong background in math and science and wish to challenge themselves. Students are introduced to a wide range of topics in chemistry including: scientific methods and measurements, atomic theory, chemical nomenclature, chemical reactions, stoichiometry, thermochemistry, kinetics, chemical bonding and equilibrium. Many of the topics are quantitative and emphasize problem solving. Concepts are reinforced through an extensive laboratory program. Students learn how to conduct experiments in a safe manner and how to write concise and accurate lab reports.

431 **Chemistry**
Grades: 11, 12
Enrollment: Elective
Prerequisites: Passing grade in 420 - *Biology* or equivalent
Periods per cycle: 8
Credit: 1.0

This course covers the fundamentals of first-year chemistry, but with a less rigorous and mathematical approach than AC Chemistry. This is a survey course that will include these topics: classification of matter, structure of matter, bonding, basic stoichiometry, nomenclature, states of matter and solutions. There is a laboratory component of the class that is designed to help students develop laboratory and safety skills. Written reports are required for labs.

433 **AC Chemistry**
Grades: 10, 11, 12
Enrollment: Elective
Prerequisites: Grade of "C" or higher in 522 - *AC Geometry* and a grade of "C" or higher in 421 - *AC Biology* or equivalent
Periods per cycle: 4
Credit: 1.0

This course is a first-year chemistry course with emphasis on inorganic chemistry. Students study chemistry from both descriptive and quantitative approaches. The course of study for AC Chemistry is designed to prepare students to take

additional secondary or post-secondary science courses. Topics covered include the structure of matter, atomic structure, chemical periodicity, nomenclature and equations, various stoichiometric topics, states of matter, and solutions. There is a laboratory component of the class that is designed to help students develop laboratory/safety skills.

- 443** **AC Physics**
Grades: 11, 12
Enrollment: Elective
Prerequisites: Grade of “C+” or higher in *533 - AC Algebra 2* (concurrent enrollment in 533 not allowed) or equivalent
Periods per cycle: 4
Credit: 1.0

Physics is the study of the interrelationships of matter and energy. The course is a general introduction to the study of Physics and emphasizes mastering concepts rather than problem solving. Emphasis during the first semester will be on the concepts of Newtonian Physics (study of motion and forces). The second semester includes a survey of nuclear physics, light waves, sound waves and electricity.

- 444** **HN Physics**
Grades: 11, 12
Enrollment: Elective
Prerequisites: Grade of “B” or higher in *423 - HN Chemistry, 534 - HN Algebra 2 / Trigonometry*, or equivalent
Periods per cycle: 4
Credit: 1.0

Honors Physics is an algebra-based, introductory physics course that explores topics such as Newtonian mechanics (including rotational motion), work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. The course requires that 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices. This course is an excellent preparation for college (Calculus based) Physics for students interested in pursuing technical college majors. A strong background in math and an interest in problem solving are essential for success in this course.

- 445** **AP Biology**
Grades: 10, 11, 12
Enrollment: Elective
Prerequisites: Grade 10 - Grade of “B” or higher in *536 HN Algebra 2* and concurrent enrollment in *423 HN Chemistry* AND by teacher approval; Grade 11, 12 - Grade of “B” or higher in *423 HN Chemistry* and *443 AC Physics* or *444 - HN Physics*, or equivalent, AND by teacher approval
Periods per cycle: 4 + 2 double-period labs
Credit: 1.0

A survey of general biology at the collegiate level, this course follows the advanced placement outline. Principle areas of emphasis are cytology, molecular biology, genetics, microbiology, organismal biology, anthropology, botany, and ecology. Much emphasis is placed on laboratory work, outside readings, and research projects. Students will be responsible for completing several summer assignments and on-line work which will be collected at regular intervals during the summer and will constitute a significant fraction of the student’s first quarter grade. Students have the option of taking the AP Biology Exam.

447 **AC Human Anatomy / Physiology**
Level: 2
Grades: 11, 12
Enrollment: Elective
Prerequisites: Grade of “C” or higher in *421 - AC Biology* and *433 - AC Chemistry* or equivalent
Periods per cycle: 4
Credit: 1.0

This is a study of the structure and functions of the human body. It focuses on a systems approach with a recurring theme of homeostasis. Most body systems are investigated; many have correlated investigations/lab activities. Dissections of the sheep eye and bovine heart are two examples of these activities.

449 **AP Chemistry**
Grades: 11, 12
Enrollment: Elective
Prerequisites: Grade of “B+” or higher in all of the following: *413 - HN Biology*, *423 - HN Chemistry*, *443 - AC Physics* (or *444 - HN Physics*), and *534 - HN Algebra 2 / Trigonometry*, or by teacher approval
Periods per cycle: 4 + 2 double-period labs
Credit: 1.0

An advanced placement class, AP Chemistry is equivalent to a first year college chemistry class. It is offered to students who excel in math and science and wish to challenge themselves further. The course follows the AP syllabus. Topics include: gas laws, stoichiometry, molecular bonding and geometry, thermodynamics, kinetics, acids and bases, equilibrium, and electrochemistry. The course includes a significant laboratory component requiring formal lab reports. Problem solving is emphasized throughout the year. Students will be responsible for completing several summer assignments. These assignments will be collected at regular intervals during the summer and will constitute a significant fraction of the student’s first quarter grade. Students have the option of taking the AP Chemistry exam.

452 **AC Environmental Science**
Grades: 11, 12
Enrollment: Elective
Prerequisites: Grade of “C” or higher in *431 - Chemistry* or *433 - AC Chemistry* or equivalent
Periods per cycle: 4
Credit: 1.0

This course employs geographic visualization and data analysis tools in a case-based approach to science education. Topics include populations, resources, alternative energy sources, land, water and soil management and ecosystems. For those who are interested there is also an Environmental Club.

455 **AC Astronomy**
Grades: 11, 12
Enrollment: Elective
Prerequisites: Juniors - Concurrently enrolled in a physics course; Seniors - Successful completion of biology and chemistry (B or better)
Periods per cycle: 4
Credit: 0.5 (first semester)

Astronomy is made available to students who have an interest in the physical sciences and have demonstrated success in previous science courses. A broad survey of many astronomical topics are covered throughout the semester. Such areas of interest include planets, asteroids, comets, the moon, stars, solar systems, galaxies, astronomical tools/analysis techniques and the dynamics of the aforementioned topics. This course features a mix of qualitative and quantitative problems that emphasize the methodology by which the facets of the universe are currently understood.

456 AP Physics C: Mechanics

Grades: 11, 12

Enrollment: Elective

Prerequisites: Grade of B or higher in *444 Honors Physics* and a B or higher in *548 Honors Calculus* concurrent enrollment in 548 or equivalent.

Periods per cycle: 4 + 2 double period labs

Credit: 1.0

AP Physics C: Mechanics is equivalent to a one-semester, calculus based, college-level physics course, especially appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as kinematics; Newton's laws of motion; work, energy and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. Introductory differential and integral calculus is used throughout the course.

490 AC Robotics

Grades: 11, 12

Enrollment: Elective

Prerequisites: Juniors -Concurrently enrolled in a physics course; Seniors - Successful completion of biology and chemistry (B or better)

Periods per cycle: 4

Credit: 0.5 (second semester)

This introductory robotics course aims to instruct students in the basics of programming and some aspects of robotics engineering. With the growing interest in producing advanced algorithms and mechanized designs to aid the human condition, an emphasis is made on writing coherent programs that produce useful actions for self-designed robots. This course utilizes the LEGO MINDSTORM NXT Education Base Set and the NXT-G software in the fashion of Carnegie Mellon University's Robotics Academy.

MATHEMATICS

509 **Pre-Algebra**
Grade: 9
Enrollment: By placement
Prerequisites: None
Periods per cycle: 4
Credit: 1.0

This course is designed to strengthen and expand the student's background in the fundamentals of arithmetic, as well as to prepare the student for the study of algebra. Properties of real number systems, decimal numeration, operations with real number systems, problem solving, percentage, geometry, statistics, operations with variables, solutions of algebraic equations, and introduction to linear equations are included.

511 **Algebra 1**
Grades: 9, 10
Enrollment: By placement (grade 9)
Prerequisites: None (grade 9); passing grade in *509 – Pre-Algebra* or equivalent (grade 10)
Periods per cycle: 4
Credit: 1.0

In this course, students will learn the basic concepts of algebra through the topics of integers, linear equations and inequalities, two dimensional graphing, laws of exponents, polynomials, factoring, quadratic equations, rational expressions, and radical expressions.

512 **AC Algebra 1**
Grade: 9
Enrollment: By placement (grade 9)
Prerequisites: None (grade 9)
Periods per cycle: 4
Credit: 1.0

In this course, students will learn the concepts of algebra through the topics of integers, linear equations and inequalities, two dimensional graphing, laws of exponents, polynomials, factoring, quadratic equations, rational expressions, and radical expressions.

521 **Geometry**
Grades: 10, 11
Enrollment: By placement
Prerequisites: Passing grade in *511-Algebra I* or equivalent
Periods per cycle: 4
Credit: 1.0

The aim of Geometry is to help students develop logical thought processes and informational analysis. Definitions, postulates, and theorems are utilized to develop concepts of polygons, angles, congruency, similarity, right triangle relationships, area and volume.

522 **AC Geometry**
Grades: 9, 10, 11
Enrollment: By placement
Prerequisites: Passing score on Mathematics Department Algebra Exam (grade 9); Passing grade in *512-AC Algebra I* or equivalent (grades 10, 11) and recommendation of teacher
Periods per cycle: 4
Credit: 1.0

This course is centered on the topics of plane and solid geometry. The topics include congruency, inequality, similarity, parallelism, quadrilaterals, right triangles, basic trigonometry, regular polygons, circles, area, and volume of solids. Over the course of the year, students hone their deductive reasoning skills through practice problems and proofs. To supplement the practice problems, students will also use a compass, straightedge, and protractor to further their understanding of the concepts.

523 **HN Geometry**
Grade: 9
Enrollment: By placement
Prerequisites: Exceptional score on Mathematics Department Algebra Exam (grade 9)
Periods per cycle: 4
Credit: 1.0

Honors Geometry covers the concepts of Academic Geometry in more depth. More responsibility is placed on the student. A strong emphasis is placed on development of logical reasoning and strategies for problem-solving. Additional concepts, including points of concurrency, and aspects of coordinate geometry are included.

532 **Algebra 2**
Grades: 11, 12
Enrollment: Elective
Prerequisites: Passing grades in *511- Algebra I* and *521 – Geometry* or equivalent
Periods per cycle: 4
Credit: 1.0

In Algebra 2, students will review and strengthen skills attained in Algebra I. Topics of study include: foundations for functions, linear functions, linear systems, quadratic functions, polynomial functions, rational functions, and radical functions.

533 **AC Algebra 2**
Grades: 10, 11, 12
Enrollment: By placement
Prerequisites: Passing grade in *522-AC Geometry* or equivalent and recommendation of teacher
Periods per cycle: 4
Credit: 1.0

This course consists of a review, expansion, and introduction of algebraic concepts in order to strengthen and develop both pre-existing and new algebraic skills. Throughout the year, students closely examine the topic of functions, which includes linear, quadratic, exponential, rational, polynomial and logarithmic functions. In each chapter, students are asked to use their previous critical thinking skills as well as acquire new methods in order to solve challenging problems and real-world applications. Problem solving is emphasized through data analysis and mathematical modeling.

536 **HN Algebra 2**
Grade: 9, 10, 11
Enrollment: By placement
Prerequisites: Exceptional score on Mathematics Department Geometry Exam (grade 9), grade of “B” or higher in 523 –*HN Geometry*, and teacher recommendation
Periods per cycle: 4
Credit: 1.0

Honors Algebra 2 covers the concepts of Academic Algebra 2 in more depth and at a faster pace. In addition, the class will deal with concepts of right triangle trigonometry. More responsibility is placed on the student.

539 **Algebra 3**
Grades: 11,12
Enrollment: By placement
Prerequisites: Passing grade in Alg 2 or AC Alg 2
Periods per cycle: 4
Credit: 1.0

Algebra 3 is designed for those students who have successfully completed Alg 2 or AC Alg 2. Topics include exponential and logarithmic functions, rational and radical functions, conic sections, probability and statistics, sequences and series, right triangle trigonometry, laws of sines and cosines.

535 **HN Statistics**
Grade: 11, 12
Enrollment: Elective
Prerequisites: Grade of “C+” or higher in 553 *AC Trig/Pre-Calc* or 545 *Trig/HN Pre-Calc*
Periods per cycle: 4
Credit: 1.0

Honors statistics deals with data description, classification, collection and analysis. Topics include descriptive statistics, probability and probability distributions, hypothesis testing using various statistical tests, correlation and regression. Students will be required to have a TI 83 or TI 84 plus graphing calculator.

561 **AC Trig/Pre-Calculus**
Grades: 11, 12
Enrollment: Elective
Prerequisites: Grade of “C” or higher in 533 *AC Alg II* and recommendation of teacher
Periods per cycle: 4
Credit: 1.0

Preparation for calculus is accomplished through a thorough study of polynomial, exponential, logarithmic, and trigonometric functions, fully integrating the graphing calculator. The study includes basic characteristics, transformations, models and applications of these functions.

562 **HN Trig/Pre-Calculus**
Grades: 11, 12
Enrollment: Elective
Prerequisites: Grade of “B” or higher in 534 –*HN Algebra 2* and recommendation of teacher

Periods per cycle: 4

Credit: 1.0

Preparation for calculus is accomplished through a thorough study of polynomial, exponential, logarithmic, and trigonometric functions, fully integrating the graphing calculator. The study includes basic characteristics, transformations, models and applications of these functions. Additional topics of analytic geometry and limits are included.

546 AP Calculus AB

Grades: 11, 12

Enrollment: Elective

Prerequisites: Grade of “A” or higher in 545 –*HN Pre-Calculus or recommendation of teacher*

Periods per cycle: 4

Credit: 1.0

Students will discuss limits and their applications to rates of change and derivatives. All methods of differentiation will be discussed followed by applications of derivatives including optimization and related rate problems. Indefinite and definite integrals will be applied using rectangular (RAM) and trapezoidal (TRAP) approximation methods. Areas and volumes will be calculated using integrals. The student will perform their analyses graphically, numerically, and algebraically. Students who take this course will be prepared for, and expected to take, the AP exam. The department carefully selects students for this advanced course, and they must understand that additional responsibilities may be demanded. (Please be advised that an AP Exam fee or CHS enrollment fee will apply.)

548 HN Calculus

Grade: 12

Enrollment: Elective

Prerequisites: Grade of “C+” or higher in 545 – *HN Pre-Calculus and recommendation of teacher*

Periods per cycle: 4

Credit: 1.0

HN Calculus deals with both differential and integral Calculus. The topics covered include functions, limits, derivatives, applications of derivatives, applications of the definite integral, transcendental functions, and further methods of integration.

549 AP Calculus BC

Grade: 12

Enrollment: Elective

Prerequisites: Grade of “B+” or higher in 546 –*AP Calculus AB*

Periods per cycle: 4

Credit: 1.0

Topics from the AP Calculus AB will be reviewed, and new topics for AP Calculus BC will include: integration by parts, partial fractions, Power Series, Maclaurin and Taylor Series, radius of convergence, various tests for convergence, and parametric, vector and polar functions. Students who take this course will be prepared for, and expected to take, the AP exam. The department carefully selects students for this advanced course, and they must understand that additional responsibilities may be demanded. (Please be advised that an AP Exam fee or CHS enrollment fee will apply.)

570 Personal Finance

Grade: 12

Enrollment: Elective; limited to Level 3 Math students only

Prerequisites: Passing grade in 532 - *Algebra 2* or equivalent

Periods per cycle: 4

Credit: 1.0

This course is a study of the practical application of mathematical skills and operations for both business and personal use. Students will explore and study a wide variety of topics that include taxes, checking/saving accounts, budgeting, loans, interest, insurance, investments, sales/marketing, inventory, and the purchasing of both a car and a home.

563 AC Introduction to Calculus

Grade: 12

Enrollment: Elective

Prerequisites: "C+" or higher in 545 *AC Pre-Calculus and recommendation of teacher*

Periods per cycle: 4

Credit: 1

AC Introduction to Calculus will deal with precalculus topics such as conics, sequences and series, and exponential and logarithmic functions, followed by the study of limits and a survey of differential calculus.

WORLD LANGUAGES

- 051 AC English as a Second Language Pullout 1**
Grade: Placement - Typically Grade 9 or first year enrolled at SLSHS
Enrollment: Required as a part of 201, English as a Second Language 1
Prerequisites: None
Periods per cycle: 2 (typically scheduled during the Freshman Block)
Credit: 0.0 (Part of AC English as a Second Language 1 Grade)

Pullout provides additional English support to students in a small group setting. The four basic language skills, reading, writing, listening and speaking are practiced along with grammar, pronunciation and writing skills.

- 052 AC English as a Second Language Pullout 2**
Grade: Placement-Typically Grade 10 or second year enrolled at SLSHS
Enrollment: Required as a part of 202, AC English as a Second Language 2
Prerequisites: ESL 1 or placement
Periods per cycle: 2
Credit:0.0 (Part of AC English as a Second Language 2 Grade)

Pullout provides additional English support to students in a small group setting. The four basic language skills, reading, writing, listening and speaking are practiced along with grammar, pronunciation and writing skills.

- 201 AC English as a Second Language 1**
Grade: Placement, typically Grade 9 or first year enrolled at SLSHS
Enrollment: Required or by placement
Prerequisites: None
Periods per cycle: 4
Credit: 1.0

This course introduces students to basic structures and vocabulary of the English language through the skills of reading, writing, speaking, and listening. Students learn strategies in order to advance their reading, listening, and pronunciation skills through oral and written language tasks and practice. Students will learn to utilize level-appropriate conventions of grammar and punctuation with a minimum of errors.

- 202 AC English as a Second Language 2**
Grade: Placement, typically Grade 10 or second year enrolled at SLSHS
Enrollment: Required or by placement
Prerequisites: ESL 1 or placement
Periods per cycle: 4
Credit: 1.0

Enrollment in ESL II extends skills learned in ESL I, or, if basic level English fluency is established by placement, continues progression beyond basic skills. This course focuses on syntax, continued vocabulary development, reading, listening comprehension, speaking and pronunciation skills, and writing compositions which demonstrate organization of ideas, use of a thesis statement, and supportive elements. Grammar instruction supporting academic writing skills is emphasized.

203 **AC English as a Second Language 3**
Grade: Placement, typically Grade 11 or third year enrolled at SLSHS
Enrollment: Required unless exempted by teacher
Prerequisites: ESL 2 or placement
Periods per cycle: 4
Credit: 1.0

The purpose of this course is to provide a greater level of advanced ESL instruction and practice in English literacy and writing. Instruction is directed toward providing students the literacy skills necessary to use and extend their vocabulary, grammar, and communication skills more consciously and effectively for academic purposes.

600 **French 1**
Grades: 10, 11
Enrollment: Elective
Prerequisites: By placement (grade 9), or by a passing grade in *200 - Developmental Reading* or *211 - Composition 1 / Prose 1* or equivalent
Periods per cycle: 4
Credit: 1.0

This course follows a similar format to AC French 1, but is geared to the less language-oriented student. Projects take the place of some written assignments, and the student is required to do less memorization of spelling and grammar rules. French culture and conversation are important components of this basic introduction to the French language.

601 **AC French 1**
Grades: 9, 10, 11, 12
Enrollment: Elective
Prerequisites: By placement (grade 9), or by a passing grade in *212 - AC Composition 1 / Prose 1* or equivalent (grades 10, 11, 12)
Periods per cycle: 4
Credit: 1.0

In the first level, the student is introduced to the study of French through the development of the listening, speaking, reading, and writing skills. Good pronunciation is stressed. The student will learn basic vocabulary and grammar structures which will allow the student to converse to a limited degree about everyday topics, such as family, school, and leisure activities. Cultural aspects of the French way of life are introduced and contrasted with our own customs.

602 **French 2**
Grades: 10, 11, 12
Enrollment: Elective
Prerequisites: Passing grade in *600 - French 1* or a grade of D or D+ in *601 - AC French 1* or equivalent
Periods per cycle: 4
Credit: 1.0

French 2 is a continuation of French 1. The focus is oral comprehension and a level of competency in the spoken language. These goals are achieved through conversation and vocabulary based on French readings. Basic grammar is presented and reviewed through readings. Class participation is essential to this course. Cultural aspects of the French way of life are introduced and compared with our own customs.

603 **AC French 2**
Grades: 9, 10, 11, 12
Enrollment: Elective (grades 10, 11, 12), or by placement test (grade 9)
Prerequisites: Grade of “A” or higher in *600 - French 1* or equivalent, with teacher approval, or a grade of “C” or higher in *601 - AC French 1* or equivalent
Periods per cycle: 4
Credit: 1.0

French 2 is a continuation of French 1. The focuses of French 2 are a higher oral comprehension and competency in the written and spoken language. These goals are achieved through intensive conversation and readings. Vocabulary and grammar points are presented in detail and then reviewed through their use in readings. Students demonstrate grammar and vocabulary competency through written paragraphs. A high level of class participation is essential to this course. Cultural aspects of the French way of life are introduced and compared with our own customs.

604 **HN French 2**
Grades: 9, 10, 11, 12
Enrollment: Elective (grades 10, 11, 12), or by placement test (grade 9)
Prerequisites: Grade of “A” or higher in *601 - AC French 1* or equivalent, or a grade of “B” or “B+” in *601 - AC French 1*, with teacher approval, or equivalent
Periods per cycle: 4
Credit: 1.0

French 2 is a continuation of French 1. A high level of oral comprehension and competency in the written and spoken language are expected. These goals are achieved through intensive conversation based on many readings. Vocabulary and grammar points are presented in more detail and then reviewed through their use in readings. Students demonstrate their grammar and vocabulary competency through written paragraphs. Full participation is essential to this course in order to improve comprehension and speaking skills. Cultural aspects of the French way of life are introduced and compared with our own customs.

605 **AC French 3**
Grades: 10, 11, 12
Enrollment: Elective
Prerequisites: Grade of “C” or higher in *603 - AC French 2* or *604 - HN French 2* or equivalent
Periods per cycle: 4
Credit: 1.0

Building upon the foundation of French 1 and 2, this course continues to develop the four language skills of listening, speaking, reading, and writing, while completing the study of basic French grammar.

606 **HN French 3**
Grades: 10, 11, 12
Enrollment: Elective
Prerequisites: Grade of “A” or higher in *604 - HN French 2*, or equivalent, or a grade of “B” or “B+” in *604 - HN French 2*, with teacher approval, or equivalent
Periods per cycle: 4
Credit: 1.0

This course follows the same format and uses the same materials as AC French 3, Level 2, but is conducted at an accelerated pace. Use of French in the classroom is emphasized and mastery of more complex grammatical structures is required. Students are expected to complete more difficult writing assignments and to present lengthier spoken

presentations. The course will prepare the student for the demands of the fourth level and is recommended for those students who wish to complete the entire French sequence.

607 **HN French 4**
641 **AP French Language and Culture**
Grades: 11, 12
Enrollment: Elective
Prerequisites: Grade of “B” or higher in *605 - AC French 3* or *606 - HN French 3* or equivalent
Periods per cycle: 4
Credit: 1.0

The Honors French 4/AP French Language and Culture course gives students the opportunity to advance, apply, refine, and review French language skills acquired in AC or HN French 2 and 3, coupled with new concepts. Students will also study French-speaking cultures in more depth. By the time students enter this course, the use of French at all times in the classroom is strongly encouraged. Texts contain reading selections that involve social, economic, and historical issues, as well as excerpts from literary works by famous French authors. At times, specific projects are suggested for oral and/or written presentations in class, allowing the student to become more involved in the topic. Through critical listening, reading, reflection, and writing on written texts or audio, students will be stimulated to form opinions and express them in French. Students enrolled decide by the end of the First Quarter whether they wish to register as AP students, complete additional requirements, and take the AP examination for potential college credit at the end of the year. These students must register for the AP examination at that time. All other students will receive Honors credit for the course. **Note:** Students wishing to enroll in the AP level course should choose course **641 - AP French Language and Culture**.

608 **HN French 5**
Grade: 12
Enrollment: Elective
Prerequisites: Grade of “B” or higher in *607 - HN French 4* or equivalent
Periods per cycle: 4
Credit: 1.0

This course targets students who entered French 2 in the freshman year and have completed AC French 2 through Honors French 4/AP French Language and Culture by the end of their junior year. Course content will include but is not limited to the use of authentic French-language materials, literature and film.

610 **Spanish 1**
Grades: 10, 11
Enrollment: Elective
Prerequisites: By placement (grade 9), or by a passing grade in *200 - Developmental Reading* or *211 - Composition 1 / Prose 1* or equivalent
Periods per cycle: 4
Credit: 1.0

This course follows a similar format to AC Spanish 1, but is geared to the less language-oriented student. Projects take the place of some written assignments, and the student is required to do less memorization of spelling and grammar rules. Spanish culture and conversation are important components of this basic introduction to the Spanish language.

611 **AC Spanish 1**
Grades: 9, 10, 11, 12
Enrollment: Elective
Prerequisites: By placement (grade 9), or by passing grade in *212 - AC Composition I / Prose I* or equivalent (grades 10, 11, 12)
Periods per cycle: 4
Credit: 1.0

AC Spanish 1 is an introductory course not only to the language itself, but also to the beliefs and behavior of a people and their culture, which are best reflected by a language. The language is acquired through memorization, speaking, reading, and writing experiences. A state of the art text is used to offer a balance between proficiency and grammar. Technology boosts students confidence and retention as well as motivating language learning.

612 **Spanish 2**
Grades: 10, 11, 12
Enrollment: Elective
Prerequisites: Grade of “D” or “D+” in *611 - AC Spanish 1* or a grade of “F” in *611 - AC Spanish 1* with summer school credit recovery, or equivalent
Periods per cycle: 4
Credit: 1.0

This course is a continuation of first year Spanish, but is geared to the student who experienced difficulty with level 1. This course is presented at a slower pace, covers the same material as AC Spanish 2, but with less emphasis on detail and more on comprehension and idiomatic expressions.

613 **AC Spanish 2**
Grades: 9, 10, 11, 12
Enrollment: Elective, or by placement test (grade 9)
Prerequisites: Grade of “C” or higher in *611 - AC Spanish 1* or equivalent (grades 10, 11, 12)
Periods per cycle: 4
Credit: 1.0

AC Spanish 2 continues to encourage student confidence and retention of language learning. Students will become more proficient in communicative and grammatical skills. The subjunctive mood is introduced.

614 **HN Spanish 2**
Grades: 9, 10, 11, 12
Enrollment: Elective, or by placement test (grade 9)
Prerequisites: Grade of “A” or higher in *611 - AC Spanish 1* or equivalent, or a grade of “B” or “B+” in *611 - AC Spanish 1*, with teacher approval (grades 10, 11, 12), or equivalent
Periods per cycle: 4
Credit: 1.0

The course content will involve additional grammatical and cultural material as well as advanced conversation. The pace of the course will be rapid and challenging to suit a student with a talent for languages. Students are encouraged and actually expected to move into the third and fourth year of Spanish.

615 **AC Spanish 3**
Grades: 10, 11, 12
Enrollment: Elective
Prerequisites: Grade of “C” or higher in *613 - AC Spanish 2* or *614 - HN Spanish 2*, or equivalent
Periods per cycle: 4
Credit: 1.0

AC Spanish 3 is a continuation of AC Spanish 2. The text *Avancemos* Level 3 includes grammar, extended vocabulary, and reading excerpts from various Hispanic authors. Cultural knowledge is also enhanced, as each unit “travels” to a different Spanish-speaking country. The students will fine tune their speaking, writing, listening and reading skills, and gain an even greater appreciation of Hispanic cultures.

616 **HN Spanish 3**
Grades: 10, 11, 12
Enrollment: Elective
Prerequisites: Grade of “A” or higher in *613 - AC Spanish 2*, *614 - HN Spanish 2*, or equivalent, or a grade of “B” or “B+” in *614 - HN Spanish 2* with teacher approval, or equivalent
Periods per cycle: 4
Credit: 1.0

Honors Spanish 3 is a continuation of AC or HN Spanish 2 for those students who have a particularly strong talent for Spanish. The text of this accelerated course *Avancemos* Level 3 includes grammar, extended vocabulary, listening activities and reading excerpts from various Hispanic authors. Supplemental short stories, excerpts from novels and plays, and articles from newspapers and magazines offer students an opportunity to increase their ability to read with understanding, gain greater insight into the structure of the Spanish language, appreciate contemporary Spanish writings, and lay the foundation for discussion of style and literary analysis.

617 **HN Spanish 4**
640 **AP Spanish Language and Culture**
Grades: 11, 12
Enrollment: Elective
Prerequisites: Grade of “A” or higher in *615 - AC Spanish 3*, or equivalent, or a grade of “B” or higher in *616 - HN Spanish 3* or equivalent
Periods per cycle: 4
Credit: 1.0

The Honors Spanish 4/AP Spanish Language and Culture course gives students the opportunity to advance, apply, refine, and review Spanish language skills acquired in AC or HN Spanish 2 and 3, coupled with new concepts. Students will also study Spanish cultures in more depth. By the time students enter this course, the use of Spanish at all times in the classroom is strongly encouraged. Texts contain reading selections that involve social, economic, and historical issues, as well as excerpts from literary works by famous Hispanic authors. At times, specific projects are suggested for oral and/or written presentations in class, allowing the student to become more involved in the topic. Through critical listening, reading, reflection, and writing on written texts or audio, students will be stimulated to form opinions and express them in Spanish. Students enrolled decide by the end of the First Quarter whether they wish to register as AP students, complete additional requirements, and take the AP examination for potential college credit at the end of the year. These students must register for the AP examination at that time. All other students will receive Honors credit for the course. **Note:** Students wishing to enroll in the AP level course should choose course **640 - AP Spanish Language and Culture**.

618 **HN Spanish 5**

Grade: 12
Enrollment: Elective
Prerequisites: Grade of “B” or higher in *617 - HN Spanish 4* or equivalent
Periods per cycle: 4
Credit: 1.0

This course targets students who entered Spanish 2 in the freshman year and have completed AC Spanish 2 through Honors Spanish 4/AP Spanish Language and Culture by the end of their junior year. Course content will include but is not be limited to the use of authentic Spanish- language materials, literature and film.

621 **AC Latin 1**
Grades: 9, 10, 11, 12
Enrollment: Elective
Prerequisites: By placement test (grade 9), or passing grade in *212 - AC Composition / Prose 1* or equivalent (grades 10, 11, 12)
Periods per cycle: 4
Credit: 1.0

Beginning Latin 1 is an introductory course in the pronunciation, vocabulary and basic grammatical structures of the Latin language. Students will begin to develop a competence in reading the language through Latin stories illustrating the mythological history of Rome. Students will also gain competence in speaking the language through basic conversational Latin. Students will appreciate the influence the Latin language and culture have on the modern world and may be surprised to learn how much Latin they already know.

622 **AC Latin 2**
Grades: 9, 10, 11, 12
Enrollment: Elective, or by placement test (grade 9)
Prerequisites: Passing grade in *621 - AC Latin 1* or equivalent
Periods per cycle: 4
Credit: 1.0

Students will continue to enlarge their storehouse of vocabulary and grammatical structures and to improve their reading skills. Through close reading and analysis of selections from Latin prose, students will develop a sense for Latin word order and sentence structure and for characteristic forms of thought and expression. Students will also learn Roman family life, social structure, food, housing, entertainment, sports, government, and literature. At the academic level, students will utilize teacher-created charts of forms on their tests and quizzes, enabling students to focus on understanding syntax and vocabulary.

624 **HN Latin 4**
Grades: 11, 12
Enrollment: Elective
Prerequisites: Passing grade in *623 - HN Latin 3* or equivalent, with teacher approval
Periods per cycle: 4
Credit: 1.0

This course introduces students to the Latin epic. The primary text for this class is Virgil's *Aeneid* from the time of Augustan Rome. The story tells of Aeneas's wanderings from Troy, his many adventures in the waters and lands of the Mediterranean, his struggles and his loves, through to his arrival in Italy and the founding of his city in Latium. Students will also read selections from Ovid's *Metamorphoses* (mythological tales of transformations, often based on relations between gods and mortals). Students will translate and discuss the epic poems in class. This course may be taken as an

AP online option, with a corresponding demand upon the student and increase in the level of difficulty, as **Course 642 - AP Latin**. Prior approval from a Principal/Vice Principal for AP online option is required.

625 **HN Latin 5**
Grade: 12
Enrollment: Elective
Prerequisites: Passing grade in *624 - HN Latin 4* or equivalent, with teacher approval
Periods per cycle: 4
Credit: 1.0

This course is a survey of the riches of late antique and medieval Latin literature from the 4th century to the 12th. Readings will consist of both prose and poetry. There will be some attention paid to the linguistic differences between medieval Latin authors and their classical predecessors. Emphasis will be on improving the student's grasp of Latin. Attention will also be paid to historical, cultural and literary aspects and contexts of the authors.

626 **HN Latin 3**
Grades: 10, 11, 12
Enrollment: Elective
Prerequisites: Passing grade in *622 - AC Latin 2* or *632 - HN Latin 2* or equivalent, with teacher approval
Periods per cycle: 4
Credit: 1.0

This course is a completion of Latin grammar and an introduction to reading Latin prose. Students will read easy stories in Roman mythology and history, Julius Caesar, Cicero, other Roman and medieval authors, as well as modern works translated into Latin. At the same time students will continue to build their Latin vocabulary and increase their knowledge of the structures of the Latin language. Students will learn the influence of the Latin language within law, medicine, the Church, zoology, botany, mottoes, sayings, and quotes.

632 **HN Latin 2**
Grades: 9, 10, 11, 12
Enrollment: Elective, or by placement test (grade 9)
Prerequisites: Grade of "B" or higher in *621 - AC Latin 1* or equivalent
Periods per cycle: 4
Credit: 1.0

Students will continue to enlarge their storehouse of vocabulary and grammatical structures and to improve their reading skills. Through close reading and analysis of selections from Latin prose students will develop a sense for Latin word order and sentence structure and for characteristic forms of thought and expression. Students will also learn Roman family life, social structure, food, housing, entertainment, sports, government, and literature. At the honors level, students will be expected to memorize forms as well as to apply syntactical rules to translations.

HEALTH/PHYSICAL EDUCATION

- 714 AC Freshman Physical Education 1**
Grade: 9
Enrollment: Required
Prerequisites: None.
Periods per cycle: 1
Credit: 0.25 (per year)

This is a full year class with emphasis on developing a Lifetime Fitness Program. The Physical Education Department of Seton-LaSalle is dedicated to the principle of a sound mind in a sound body. The focus of the freshmen year is on achieving and maintaining a healthy lifestyle that supports physical activity, analytical skills, goal setting, and self-assessment. Students will participate in many individual and team activities. The Fitness Center and weight room are used to develop cardiovascular conditioning, strength training and flexibility. Students will participate in some individual and team activities throughout the year as an introduction to lifetime activities.

- 717 AC Health 1**
Grade: 9
Enrollment: Required
Prerequisites: None
Periods per cycle: 1
Credit: 0.25 (per year)

This full year co-ed course is required for the Freshmen. The Health component deals with the well-being of the total person. It emphasizes concepts as they relate to social, emotional, mental and physical aspects of the person. Some of the topics covered include: an introduction to the areas of health, Mental health, dealing with stress, growing toward maturity, understanding sexuality, peer relationships & refusal skills, practicing abstinence, STD's, and sound food habits. The health program emphasizes the knowledge of concepts and skills that influence health promotion and disease prevention. This course adheres to the guidelines for health education as prescribed by the Diocese of Pittsburgh.

- 715 AC Health 2 - Healthy Living**
Grade: 10
Enrollment: Required
Prerequisites: Passing grade in 712/713
Periods per cycle: 2
Credit: 0.25 (per year)

This semester, co-ed course is required for the Sophomores. Encouraging students to make responsible, respectful, informed, and capable decisions about topics that affect the well-being of themselves and others, this course is a full year course that provides students with comprehensive information they can use to develop healthy attitudes and behavior patterns. Some of the topics covered include: Skills for Healthy Relationships, Peer Pressure & Refusal Skills, Resolving Conflicts, and the prevention of Alcohol, Tobacco/E-Cigarettes, and Drug Abuse. This course will include the American Heart Association's certification for First-Aid and CPR for Infants and Adults. This informative and engaging course encourages students to recognize that they have the power to choose healthy behaviors to reduce risks.

- 716 AC Sophomore Physical Education**
Grade: 10
Enrollment: Required
Prerequisites: None.
Periods per cycle: 2

Credit: 0.25 (per year)

This is a semester class with continuing the emphasis on developing a Lifetime Fitness Program. The Physical Education program will introduce students to a wide range of individual and group skills that improve different motor abilities. Physical Education classes are designed to practice and develop skills in activities that will help students maintain fitness throughout their life. Students will be introduced to life-long activities designed to increase their likelihood of exercising in the future. Students will understand the benefits that regular exercise can provide for a person's mental, physical, and social health. The Fitness Center and weight room are used to develop cardiovascular conditioning, strength training and flexibility.

724 **AC Girls Physical Education 2**

737 **AC Boys Physical Education 2**

Grades: 11, 12

Enrollment: Elective

Prerequisites: Passing grade in *711 - Health / Physical Education* or equivalent

Periods per cycle: 4

Credit: 0.50 (First semester only)

This is a semester class with emphasis on developing a Lifetime Fitness Program. Through sports, games, and movement skills, we encourage the acquisition and development of leadership, character, teamwork, motor skill, personal fitness and agile movement. Students in Physical Education develop these movement skills in diverse individual and team activities that include touch football, soccer, basketball, volleyball, street hockey and softball, and aerobic dance. The Fitness Center and weight room are used to develop personal fitness, flexibility, muscle strength, and cardiovascular conditioning. Dance, Dance, Revolution along with the Wii Fitness Plus Program are also used. The focus of the course is on achieving and maintaining a healthy lifestyle that supports physical activity, analytical skills, team-building skills, goal setting, and self-assessment. The seniors are certified/re-certified in CPR during the second quarter.

725 **AC Girls Physical Education 3**

738 **AC Boys Physical Education 3**

Grades: 11, 12

Enrollment: Required

Prerequisites: Passing grade in *711 - Health / Physical Education* or equivalent

Periods per cycle: 4

Credit: 0.50 (Second Semester only)

This is a semester class with emphasis on developing a Lifetime Fitness Program. Through sports, games, and movement skills, we encourage the acquisition and development of leadership, character, teamwork, motor skill, personal fitness and agile movement. Students in Physical Education develop these movement skills in diverse individual and team activities that include touch football, soccer, basketball, volleyball, street hockey and softball, and aerobic dance. The Fitness Center and weight room are used to develop personal fitness, flexibility, muscle strength, and cardiovascular conditioning. Dance, Dance, Revolution along with the Wii Fitness Plus Program are also used. The focus of the course is on achieving and maintaining a healthy lifestyle that supports physical activity, analytical skills, team-building skills, goal setting, and self-assessment. The seniors are certified/re-certified in CPR during the fourth quarter.

740 **AC Independent Physical Education (Semester 1)**

741 **AC Independent Physical Education (Semester 2)**

Grades: 11, 12

Enrollment: Elective

Prerequisites: Teacher Approval- Medical Verification

Periods per cycle: 4

Credit: 0.50 (per semester)

Students must pre-register for this course and are required to get permission from the Principal and guidance department to enroll. Students will write reports on topics pertaining to physical education and athletics, along with the use of Portfolio gym packets. Verification of outside physical activity may be required.

***Note 1:** Course enrollment may be granted for medical reasons on a temporary or extended basis at the discretion of the School. Documentation must be provided directly from a practicing doctor before medical enrollment in course 740/741 will be granted by a Principal.*

BUSINESS AND INFORMATION TECHNOLOGY

809 **AC Introduction to Information Technology**
Grade: 9
Enrollment: Required
Prerequisites: None
Periods per cycle: 1
Credit: 0.25

Introduction to Information Technology is a full-year course required of all freshmen. This course introduces students to computer concepts and applications. Students are introduced to computer hardware, software, and operating systems. Also covered are the Internet, application software, databases, networks, computer security, mobile devices, software programming, IT privacy issues, and future trends in technology.

819 **AC Introduction to Computer Programming**
Grade: 10
Enrollment: Required
Prerequisites: None
Periods per cycle: 1
Credit: 0.25

Introduction to Computer Programming is a full-year course required of all sophomores. This course introduces students to common elements of computer programming including variables, conditionals, loops and functions as well as how to debug code. The coding languages to be used will vary between Python, Javascript and HTML.

835 **AC Accounting 1**
Grades: 10, 11, 12
Enrollment: Elective
Prerequisites: Current unweighted GPA of 2.0 or higher
Periods per cycle: 4
Credit: 1.0

The Accounting 1 course introduces students to basic accounting principles for service and merchandising businesses organized as proprietorships and partnerships. The complete accounting cycle is covered and includes topics relating to banking, accounts receivable, accounts payable and financial statements. Emphasis is initially placed on a manual accounting system for a small service firm and progresses to a merchandising business. Different topics are introduced throughout the course reflecting the different responsibilities of the accountant in the business entity. Class time is spent demonstrating competency in the analyzing and recording of transactions, and preparation of financial statements. Students will also be introduced to automated accounting procedures through the use of spreadsheets and accounting software. This course provides students with functional skills useful in adult life related to banking, financial statements, credit, and invoices and is intended for the student considering a major in accounting or business in college. This course may be taken for Math Credit after the completion of Geometry and Algebra 2.

839 **AC Business Law**
Grades: 11, 12
Enrollment: Elective
Prerequisites: Grade of "C" or higher in 223/224 - *AC Composition 2 / Poetry and Drama* or 225/226 - *HN Poetry and Drama*
Periods per cycle: 4
Credit: 0.5 (First semester only)

Business Law is the study of legal principles as it relates to business/consumer transactions. Special emphasis is placed on contract law, property law, employment and agency law, and negligence. The course is of use to the everyday consumer and is of particular importance for the student preparing for post-secondary study in accounting, management, and business.

840 AC Business Management

Grades: 11, 12

Enrollment: Elective

Prerequisites: Grade of "C" or higher in 223/224 - *AC Composition 2 / Poetry and Drama* or 225/226 - *HN Poetry and Drama*

Periods per cycle: 4

Credit: 0.5 (Second semester only)

Business Management is a general study of concepts and skills within our economic system, as they affect both business and consumers. Areas of study are forms of businesses, business communications, business taxes, purchasing, sales and marketing products, money management, investments, banking, credit, careers, resume writing, and job interviews. The purpose of this course is to develop business management skills, consumer knowledge, and career awareness.

845 HN Accounting 2

Grades: 11, 12

Enrollment: Elective

Prerequisites: Grade of "B" or higher in 835 - *Accounting 1*

Periods per cycle: 8

Credit: 1.0

The Accounting 2 course continues to develop and reinforce the basic principles learned in Accounting 1 through the study of partnerships and corporations. The partnership/merchandising cycle is completed, and taxes and payroll are covered. Students will be introduced to concepts relating to notes, uncollectibles, depreciation, dividends, inventory costing methods, and accruals. Extensive end-of-year accounting and financial statements for corporations will be emphasized. Students will continue to use automated accounting software and spreadsheets in addition to manual accounting procedures to reinforce accounting concepts and principles. Applications of these principles will be done through textbook problems and both manual and automated simulation projects. This course is for students who have career objectives in accounting or any other business fields such as finance, economics, marketing, financial planning, or management. This course may be taken for math credit after the completion of any Geometry and Algebra 2 / Trigonometry course.

870 HN Computer Science

871 AP Computer Science A

Grades: 11, 12

Enrollment: Elective; by teacher approval only

Prerequisites: **HN Computer Science:** A grade of "B" or higher in *???- Introduction to Computer Programming, 812 - Computer Literacy I, or equivalent*, and a grade of "B" or higher in current math course; **AP Computer Science A:** A grade of "A" or higher in *8???- Introduction to Computer Programming, 812 - Computer Literacy I, or equivalent*, and a grade of "A" or higher in current math course.

Periods per cycle: 4

Credit: 1.0

The curriculum of AP Computer Science in Java is based on the syllabus developed by the College Board. Topics include

program design and implementation, algorithm analysis, standard data structures, and object-oriented programming design. AP Computer Science in Java emphasizes programming methodology with an emphasis on problem solving and algorithm development. It is intended to serve both as introductory courses for computer science majors, and for students who will major in disciplines that require significant involvement with computing.

873 AP Computer Science Principles

Grades: 10, 11, 12

Enrollment: Elective; by teacher approval only

Periods per cycle: 4

Credit: 1.0

AP Computer Science A: A grade of “A” or higher in *Introduction to Computer Programming*, 812 - *Computer Literacy I*, or equivalent, and a grade of “B” or higher in current math course.

AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts.

FINE ARTS

- 905** **AC Mixed Chorus (semester 1)**
906 **AC Mixed Chorus (semester 2)**
Grade: 9, 10, 11, 12
Enrollment: Elective (may be repeated)
Prerequisites: None
Periods per cycle: 4
Credit: 0.5 (per semester)

Mixed Chorus is designed for the student who enjoys singing with others. Students learn proper vocal technique, phrasing, breath control and diction. Skills in singing intervals, harmony and sight singing will be developed. Students will be exposed to various styles of vocal music. These skills will be demonstrated at performances throughout the year. A basic ability to match pitch is needed for this class. Teacher approval by audition is required.

- 911** **AC Ceramics 1**
Grades: 10, 11, 12
Enrollment: Elective
Prerequisites: None
Periods per cycle: 4
Credit: 0.5 (First semester only)

This course will introduce the student to the basics of ceramic construction, using hand-building techniques. Methods will include coil, pinch and slab construction and glazing techniques. Opportunity will be provided to students to explore some sculpture. The course may also include beginning lessons in macramé & weaving.

- 912** **AC Ceramics 2**
Grades: 11, 12
Enrollment: Elective
Prerequisites: Passing grade in *911 - Ceramics 1* or equivalent
Periods per cycle: 4
Credit: 0.5 (First semester only)

This course builds developmentally upon the introductory level techniques taught in the pre-requisite course, Ceramics 1. Ceramic pieces created will be larger and more in depth and students are encouraged to work more independently. More technically challenging pieces will be required.

- 913** **AC Calligraphy**
Grades: 10, 11, 12
Enrollment: Elective
Prerequisites: None
Periods per cycle: 4
Credit: 0.5 (Second semester only)

Calligraphy is the art of beautiful hand lettering and handwriting. In this course students will learn basic methods of calligraphy, using lettering tools and equipment.

914 **AC Design**
Grades: 10, 11, 12
Enrollment: Elective
Prerequisites: None
Periods per cycle: 4
Credit: 0.5 (Second semester only)

This course will acquaint students with the elements of design and the proper use of two-dimensional media. Students will learn to organize line, shape, color, texture and space to develop beautiful design projects. Students will foster their creativity while experimenting with art materials.

915 **AC Painting and Color**
Grades: 10, 11, 12
Enrollment: Elective
Prerequisites: None
Periods per cycle: 4
Credit: 0.5 (Second semester only)

This course will enable students to learn how to mix colors, organize color schemes, and use several painting techniques. Students will learn realistic and abstract painting. Materials included are watercolor, tempera and acrylic paint.

916 **AC Fiber Arts**
Grades: 10, 11, 12
Enrollment: Elective
Prerequisites: None
Periods per cycle: 4
Credit: 0.5 (Second semester only)

The course will include beginning lessons in weaving, macramé, sewing, stitchery, fabric dyeing and painting. Opportunity will be provided for other textile arts, such as coiling, latching, beadwork, fiber sculpture and quilt making.

917 **AC Drawing**
Grades: 10, 11, 12
Enrollment: Elective
Prerequisites: None
Periods per cycle: 4
Credit: 0.5 (Second semester only)

This course will enable students to draw from the very beginning in order to acquire the skills needed to draw realistically. Techniques covered include, architectural perspective, contour, shading, faces, and figures.

919 **AC Crafts 1**
Grades: 10, 11, 12
Enrollment: Elective
Prerequisites: None
Periods per cycle: 4
Credit: 0.5 (First semester only)

This course offers an introduction to basic craft techniques, including leather tooling, pottery, papermaking, printmaking,

mosaic, aluminum tooling, and papier-mâché. The course is designed for personal enrichment or in preparation for a career in crafts, occupational therapy, art therapy or elementary or secondary education.

921 **AC Art 1**
Grades: 10, 11, 12
Enrollment: Elective
Prerequisites: By teacher approval
Periods per cycle: 4
Credit: 1.0

This is a course for the serious art student who wishes to study many areas of art for personal enrichment or in preparation for a career in art. Emphasis is on drawing and painting and some introduction to 2-D and 3-D design. The student will learn proper use of many art materials and techniques.

922 **AC Art 2**
Grades: 10, 11, 12
Enrollment: Elective
Prerequisites: Passing grade in *921 - Art 1* or equivalent
Periods per cycle: 4
Credit: 1.0

This is an advanced course in art for those students who already have the basic skills. The course includes printmaking, sculpture, advanced drawing, advanced design, and painting. The projects are more in-depth, and students are encouraged to work more independently.

923 **AC Art 3 and 4**
Grades: 11, 12
Enrollment: Elective
Prerequisites: Passing grade in *922 - Art 2* or equivalent
Periods per cycle: 4
Credit: 1.0

This is a very advanced course in art for highly motivated students who have had successful experiences in previous art courses, and who are willing to devote considerable time to the study of art and the development of higher level skills. Students will develop a portfolio of work, including a range of works. Techniques learned in Art 1 and Art 2 will combine for a more personal expression. Students will be required to refine a more individual style of artistic statement. Student will be required to keep a sketchbook, and outside-of-class work will be necessary.

929 **AC Crafts 2**
Level: 2
Grades: 11, 12
Enrollment: Elective
Prerequisites: Passing grade in *919 - Crafts 1* or equivalent
Periods per cycle: 4
Credit: 0.5 (First semester only)

Crafts 2 is for students who have already acquired the basic skills in crafts and wish to work in one or several areas of their choice in order to complete more intense projects.

246 AC Humanities: Art Appreciation/Poetry and Music (1st semester)

Grade: 10, 11, 12

Enrollment: Elective - Open to all/no prerequisites

Periods per cycle: 4

Credit: 0.5 (fulfills a semester of required Fine Arts credit)

Art Appreciation: The Sistine Chapel? The Mona Lisa? Andy Warhol soup cans? Tie dye shirts? TV Superbowl ads? The Eiffel Tower? It's all good, it's all around us, it's all art. Or is it? From ancient cave drawings to contemporary home dwellings, human nature has always found ways to give expression to a creative impulse that goes beyond the merely practical. We are, as humans, inclined to create images and objects that are original. On the highest level, we value the handmade over the mass produced. Fine art - in painting, sculpture and architecture - gives birth to style, an ever changing effort to be original and unique. Students will study style, both their own and those of generations past, as a way of understanding how art has made the world and how art makes us who we are as humans.

Poetry and Music: To say that you don't like poetry is to say that the music you listen to must only be limited to the instrumental. What are songs by the Beatles, Pink Floyd, or Bruno Mars without the lyrics to compliment the sounds? The ancient Greeks wrote their poems to be accompanied by a lyre, a small stringed instrument. Even our poems "on the page" contain within them multiple sounds (rhyme, meter, etc.) chosen by the poet to enhance their meaning. Students will study the ways in which music/poetry in the full sense give expression to the human instinct to find a special language (combining both sounds and meaning) to communicate what we feel, mean and say.

941 HN Art History

935 AP Art History

Grades: 11, 12

Enrollment: Elective

Prerequisites: By teacher approval

Periods per cycle: 4

Credit: 1.0

This course requires significant commitment to academic research and study, characteristic of a college level course. In this course, students are introduced to the basic principles of aesthetic theory and response, the elements of art, major movements and styles in the history of art, and technical processes and media considerations that have been fundamental to the production of art in various forms, especially painting, sculpture and architecture. There is an emphasis on an understanding of art in context, dealing with such issues as patronage, politics, censorship, religion, gender, ethnicity and audience. Students enrolled decide by the end of the First Quarter whether they wish to register as AP students, complete additional requirements, and take the AP examination for potential college credit at the end of the year. These students must register for the AP examination at that time. All other students will receive Honors credit. **Note:** Students wishing to enroll in the AP level course, whether in advance or after the first quarter, should choose course **935 - AP Art History**.

951 AC Theatre 1

Grades: 9, 10

Enrollment: Elective

Prerequisites: None

Periods per cycle: 4

Credit: 1.0

Released time for performing arts at Seton Center, accredited colleges or production companies is available during the school day. One or two credits plus Physical Education credit may be earned. Administrative approval is required in order to participate in this program.

952 **AC Theatre 2**
Grades: 10, 11, 12
Enrollment: Elective
Prerequisites: None
Periods per cycle: 4 double-periods
Credit: 2.0

This course is a continuation of released time for the performing arts at Seton Center, accredited colleges or production companies. One or two credits plus Physical Education may be earned. Administrative approval is required in order to participate in this program.

953 **AC Theatre 3**
Grades: 10, 11, 12
Enrollment: Elective
Prerequisites: None
Periods per cycle: 4 double-periods
Credit: 2.0

This course is a continuation of released time for the performing arts at Seton Center, accredited colleges or production companies. One or two credits plus Physical Education may be earned. Administrative approval is required in order to participate in this program.

954 **AC Theatre 4**
Grades: 10, 11, 12
Enrollment: Elective
Prerequisites: None
Periods per cycle: 4 double-periods
Credit: 2.0

This course is a continuation of released time for the performing arts at Seton Center, accredited colleges or production companies. One or two credits plus Physical Education may be earned. Administrative approval is required in order to participate in this program.

962 **AP Studio Art - Drawing**
Grades: 10, 11, 12
Enrollment: Elective; must receive instructor portfolio approval in summer prior to enrollment
Prerequisites: Teacher Approval
Periods per cycle: 4
Credit: 1.0

The Advanced Placement Studio Art Drawing Portfolio is designed for students who are seriously interested in the practical experience of drawing. AP Studio Art Portfolios are not based on a written examination - instead, students submit portfolios for evaluation by the end of May of the year prior to enrollment. The student AP Drawing Portfolio has a basic, three-section structure, which requires the student to show a fundamental competence and a range of understanding in visual concerns (the methods). The Portfolio asks the student to demonstrate a depth of investigation and process of discovery through the Concentration Section (section II). The Breadth Section (section III) requires the student to demonstrate a serious grounding in visual principles and materials and techniques. The Quality Section (section I) permits the student to select the works that best exhibit a synthesis of form, technique, and content. All three sections are required and carry equal weight, but students are not necessarily expected to perform at the same level in each section to receive a qualifying grade for advanced placement. The works presented for evaluation may have been produced in art

classes or on the student's own time and may cover a period of time longer than a single school year.

Students should be made aware that AP Art work involves significantly more commitment and accomplishment than the typical high school course and that the program is not for the casually interested. It is highly recommended that AP students have previous training in art. Outside work, such as maintaining a sketchbook/journal, is a necessary component of instruction.

963 AP Studio Art - 2D

Grades: 11, 12

Enrollment: Elective; must receive instructor portfolio approval in summer prior to enrollment

Prerequisites: Teacher Approval

Periods per cycle: 4

Credit: 1.0

The Advanced Placement Studio Art 2D Portfolio is designed for students who are seriously interested in the practical experience of two dimensional art.. AP Studio Art Portfolios are not based on a written examination - instead, students submit portfolios for evaluation by the end of May of the year prior to enrollment. The student AP 2D Portfolio has a basic, three-section structure, which requires the student to show a fundamental competence and a range of understanding of two-dimensional applications such as graphic design, photography, weaving, and collage. As a contrary to AP Studio Art Drawing, focus is applied on the design itself instead of the composition of the artwork.. The Portfolio asks the student to demonstrate a depth of investigation and process of discovery through the Concentration Section (section II). The Breadth Section (section III) requires the student to demonstrate a serious grounding in visual principles and materials and techniques. The Quality Section (section I) permits the student to select the works that best exhibit a synthesis of form, technique, and content. All three sections are required and carry equal weight, but students are not necessarily expected to perform at the same level in each section to receive a qualifying grade for advanced placement. The works presented for evaluation may have been produced in art classes or on the student's own time and may cover a period of time longer than a single school year.

Students should be made aware that AP Art work involves significantly more commitment and accomplishment than the typical high school course and that the program is not for the casually interested. It is highly recommended that AP students have previous training in art. Outside work, such as maintaining a sketchbook/journal, is a necessary component of instruction.

964 AP Studio Art - 3D

Grades: 11, 12

Enrollment: Elective; must receive instructor portfolio approval in summer prior to enrollment

Prerequisites: Teacher Approval

Periods per cycle: 4

Credit: 1.0

The Advanced Placement Studio Art 3D Portfolio is designed for students who are seriously interested in the practical experience of three dimensional art.. AP Studio Art Portfolios are not based on a written examination - instead, students submit portfolios for evaluation by the end of May of the year prior to enrollment. The student AP 3D Portfolio has a basic, three-section structure, which requires the student to show a fundamental competence and a range of understanding of three-dimensional artistic applications such as metalworking, sculpture, model, and ceramics. As a contrary to AP Studio Art Drawing, focus is applied on the design itself instead of the composition of the artwork.. The Portfolio asks the student to demonstrate a depth of investigation and process of discovery through the Concentration Section (section II). The Breadth Section (section III) requires the student to demonstrate a serious grounding in visual principles and materials and techniques. The Quality Section (section I) permits the student to select the works that best exhibit a synthesis of form, technique, and content. All three sections are required and carry equal weight, but students are not necessarily expected to perform at the same level in each section to receive a qualifying grade for advanced placement. The works

presented for evaluation may have been produced in art classes or on the student's own time and may cover a period of time longer than a single school year.

Students should be made aware that AP Art work involves significantly more commitment and accomplishment than the typical high school course and that the program is not for the casually interested. It is highly recommended that AP students have previous training in art. Outside work, such as maintaining a sketchbook/journal, is a necessary component of instruction.

971 AC Concert Band
Grade: 9, 10, 11, 12
Enrollment: Elective
Prerequisites: None
Periods per cycle: 4
Credit: 1.0

The course gives the instrumentalist an organized environment in which to use and develop his/her musical skills. Students will learn proper ensemble techniques while being exposed to a cross-section of musical works and styles. Performances outside of school time are required. The approval of the instructor is required. This is the non-marching band option.

972 HN Marching Band
Grade: 9 - 12
Enrollment: Elective
Prerequisites: None
Periods per cycle: 2
Credit: 0.5

This course gives the instrumentalist an organized environment in which to use and develop his/her musical skills. Students will learn and execute marching drills to be performed at the school football games and parades. After the football season, concert band and staging are emphasized. Students learn proper ensemble techniques while being exposed to a cross section of musical works and styles. Some after school rehearsals and a two-week band camp are required. A higher weight is given to this class due to the number of out of school hours required for the class. This is a performance-oriented class and attendance at all practices and performances is mandatory.

982/3 HN Music Theory
Grades: 10, 11, 12
Enrollment: Elective; by teacher approval only
Prerequisites: None
Periods per cycle: 4
Credit: 1.0

This course is offered as a prerequisite for AP Music Theory. Integration of melody, harmony, texture, rhythm, form, musical analysis, elementary composition, and, to some extent, history and style will receive emphasis. Musicianship skills such as dictation and other listening skills, sight-singing, and keyboard harmony are considered an important part of the theory course. The student's ability to read and write musical notation is fundamental to such a course. It is also strongly recommended that the student will have acquired thorough performance skills in voice or on an instrument. This course will require a significant amount of self-motivation, and teacher approval is required.

907 **AP Music Theory**
Grades: 10, 11, 12
Enrollment: Elective
Prerequisites: successful completion of 982/3 *HN Music Theory*
Periods per Cycle - 4
Credit - 1.0

This course is the sequel to the Music Theory Class. All students enrolled in AP Music Theory will be expected to take the AP Music Theory Exam at the end of the course.

The class follows a prescribed College Board curriculum which covers among other things scales and keys, music notation and 4 part choral writing, transpositions, and rhythmic and harmonic dictation, historical context for common practices, and development of listening skills.

Entrance to the class is by director approval and students will be required to take and pass AC Music Theory in order to be admitted. Once again it is strongly recommended that students have performance skills in a vocal or instrumental area. This class will also require a significant amount of self-motivation and practice time.

905 **AC Mixed Chorus**
Grade: 9 - 12
Enrollment: Elective
Periods per Cycle: 2
Credit: 0.5

This class will provide the vocalist with an organized setting for working on and developing their vocal skills.

The Chorus is a performance oriented class which will perform for concerts within and outside of the school, as well as all liturgies for the school. Students will study standard choral literature, sacred music, and many genres of vocal music. Study will include but not be limited to proper vocal production, reading music, listening skills, and part singing. There is no audition for entrance to the class. There will be some after school or evening rehearsals and performances which are mandatory as part of the class.

984 **AC Enjoyment of Music 1 (first semester)**
985 **AC Enjoyment of Music 2 (second semester)**
Grades: 10, 11, 12
Enrollment: Elective
Periods per Cycle: 4
Credits: 0.5 - 1.0

This class is offered as a semester or full year course choice. The class will study various genres of music on a quarterly basis. Topics will include but not be limited to : Traditions in music, Jazz, Musical Theater, Rock and Roll, “Classical” music, and the Social Impact on Modern Music. There is no pre-requisite for this class.

990 **AC Modern Media**
Grade: 10, 11, 12
Enrollment: Elective
Prerequisites: None
Periods per cycle: 4
Credit: 1.0

This course gives students the opportunity to learn about Journalism fundamentals in a digital world. Students will analyze terms, issues, and styles of journalism. They will demonstrate the ability to recognize the role of media in their daily lives, cultivate an awareness of different types of media and gain insight into the importance of the First Amendment. Students

enrolled in this course will be required to produce content for *The Rebel Report*, Seton- La Salle's online student news, including written and visual (pictorial, video) news reports, feature news and editorial reports, as well as content for the Seton-La Salle Yearbook.

991 **HN Modern Media 2**
Grade: 10, 11, 12
Enrollment: Elective
Prerequisites: Passing grade in AC Modern Media, HN Computer Science, AP Computer Science Principles, or AP Computer Science A
Periods per cycle: 4
Credit: 1.0

This course gives students the opportunity to explore the Adobe Creative Suite of products on state-of-the-art Mac computers.

FRASSATI-MOLLA SCHOLARS PROGRAM

MISSION - The purpose of the Frassati-Molla Scholars Program is to help high achieving students pursue academic excellence and prepare them for academic success in college. The Scholars Program seeks to advance critical thinking skills of those students who are already achieving at a high level through cross-curricular integration of content through the lens of a Catholic cultural perspective.

The program will have a classroom component, service learning component, events/speakers requirement, and may expand to include a summer seminar and travel option at some point.

PATRONS - The Frassati-Molla Scholars Program takes its inspiration from two holy 20th Century Italians: Blessed Pier Giorgio Frassati and St. Gianna Beretta Molla, who combined learning and a love for the poor and vulnerable with attractive, compelling lives rooted in a love of Jesus Christ.

ELIGIBILITY

- Must be a rising sophomore or junior
- Must be invited to apply
- 4.0 GPA required for invitation
- 2 teacher recommendations
- Demonstrated commitment to learning
- No honor code violations; no more than two (2) disciplinary points; no attendance/tardiness issue

REQUIREMENTS

- Must maintain GPA: 4.5 sophomore year; 4.75 junior year; 5.00 senior year
- Service-Learning: 20 volunteer hours with an educational component, including research & presentation
- Events/Speaker Series attendance: 2 per year
- Course Enrollment Requirements: minimum of 4 honors courses sophomore year; minimum of 3 AP/2 honors courses junior and senior years

NCAA CLEARINGHOUSE

Upon graduation, students entering a Division I or Division II college or university as a freshman must meet specific requirements to be classified as an “NCAA Qualifier”:

- Graduate from High School
- Have a core-course grade point average (non-weighted) and a combined score on the SAT or a sum score on the ACT based upon the qualifier index scale

The following courses at Seton-La Salle Catholic High School have NOT been approved as “Core GPA” classes by the NCAA:

- All Religion Classes
- All English as a Second Language (ESL) Classes
- All Health/Physical Education Classes
- All Business Classes (Information Technology / Accounting)
- All Fine Arts Classes (Art / Music / Theatre / Band)
- 246/248 AC Humanities
- 560 AC Business Math
- 990 AC Modern Media
- 200 Developmental Reading
- 205 Writing Lab
- 206 Math Lab

It is the students’ and parents’ responsibility to assure that the courses in which they are enrolled will be acceptable to the NCAA, and that they meet the other requirements as defined by the NCAA. If a student or parent is unsure of the status of a course, they should check with the guidance office prior to enrolling in the class.

Student athletes aspiring to play college Division I or Division II athletics can refer to the “NCAA Guide for the College-Bound Athlete”, or preview a list of approved courses on the website at www.eligibilitycenter.org or by calling the NCAA at 1-877-262-1492 (Toll Free).

Seton-La Salle Catholic High School Code is 393908.

GRADING SYSTEM

A cumulative grade for student work is tabulated at the end of each quarter. The grades indicate the teacher’s rating of student’s progress in the class. Only **final** grades are listed on the transcripts and permanent record cards. Final quarter, semester, or year grades over 100% through coursework and/or bonus points will be truncated to exactly 100%.

The grading system at Seton-La Salle uses quality points based the designated course level (*i.e.*, General, Academic, Honors, Advanced Placement). The Quality Point Average (QPA) is a weighted average computed by taking the sum of the quality points earned and dividing that sum by the total number of credits with advanced and remedial weighted in value as shown in the table that follows. GPA and QPA are calculated to four decimal places, and then rounded. Percents used in grades may be truncated after one decimal place, and then rounded to the nearest percent.

GPA Points Awarded

		General	Academic	Honors	AP
A+	97-100 %	4.25	4.75	5.25	5.75
A	93-96 %	4.00	4.50	5.00	5.50
B+	89-92 %	3.25	3.75	4.25	4.75
B	85-88 %	3.00	3.50	4.00	4.50
C+	80-84 %	2.25	2.75	3.25	3.75
C	75-79 %	2.00	2.50	3.00	3.50
D+	72-74 %	1.25	1.75	2.25	2.75
D	69-71 %	1.00	1.50	2.00	2.50
F	0-68 %	0.00			

The teachers assign a letter grade A, A+, B, B+, C, C+, D, D+, and F, according to the grading system. The grades indicate the teachers' rating based on the student's progress in the course. Only **final grades from a year or semester course** are listed on the transcript.

GRADUATION REQUIREMENTS

To successfully complete a student career at Seton LaSalle, the following minimum graduation requirements must be met:

Religion	4.00 credits
English	4.00 credits
Social Studies	4.00 credits
Mathematics	3.00 credits
Science	3.00 credits
World Languages	2.00 credits
Physical Education/Health	1.00 credits
Fine Arts	1.00
<u>Optional, non-core electives</u>	<u>4.00 credits</u>
Total	26 credits

A minimum of 7 credits per academic year are required. Additional credits are subject to teacher approval and availability of classroom space. Once scheduled, additional credits (like all credits) will require summer school if the final grade earned is an "F".