

Course Bulletin 2017-2018



Mission Statement

As a Xaverian Catholic learning community, Our Lady of Good Counsel High School is committed to preparing students with diverse learning abilities for the challenges of life by providing programs and activities that advance academic excellence and service to others; foster spiritual, emotional, and social growth; promote inclusion of all community members; and embody the Xaverian values of humility, trust, zeal, compassion, and simplicity upon which the school is founded.

Statement of Beliefs

Our Lady of Good Counsel High School believes:

- 1. Each person is uniquely created by God and possesses special abilities and interests that must be recognized, respected, and developed.*
- 2. It is the school's responsibility to provide an opportunity to develop in each student a personal relationship with God and the Church, an understanding of Catholic religious tradition and doctrine, an active participation in the Community of Faith, and an understanding and appreciation of the Xaverian values of humility, trust, zeal, compassion, and simplicity.*
- 3. The education of all students should be challenging and goal oriented in an inclusive educational community that promotes academic success, academic integrity, and physical and psychological health.*
- 4. Lifelong learning is fundamental for constructive and responsible participation in a diverse and changing society.*
- 5. It is important for the school community to reach out and support the larger community in which it resides.*
- 6. Members of the community should, according to the fundamental principles of Theodore Ryken, "fall in love with the service of God" by providing for the poor and marginalized.*

Graduate Profile

Upon completion of a rigorous education rooted in the principles and ideals of the Catholic Church and the Xaverian Brothers, the Good Counsel graduate will:

- Grow in personal faith and wisdom.*
- Be prepared for higher education and understand the importance of life-long learning.*
- Embody the Xaverian values of humility, trust, zeal, compassion, and simplicity.*
- Continue the Xaverian commitment to serve the poor and marginalized, promote human dignity, and pursue justice and peace.*
- Respect the diversity and uniqueness of others.*
- Seek solutions to life's challenges.*

Criteria for Admission:

Our Lady of Good Counsel looks at the whole student for admission. The student must have completed the Good Counsel Application. The student must have a demonstrated ability to be academically successful in a college preparatory curriculum. The school considers a candidate's 7th and 8th grade academic records, scores on standardized testing, and recommendations. Catholic elementary school students are recommended by their principal. Students from non-Catholic schools must have two letters of recommendation from their current teachers.

Religion

1010 - Freshman Religion/R

1.00 Credit

The study and practice of religion is introduced by learning the ideas upon which Roman Catholicism is based through a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible, students will encounter the living Word of God, Jesus Christ. In the course, they will learn about the Bible, authored by God through Inspiration, and its value to people throughout the world. They will learn how to read the Bible, study the "theology of the human person", and study the liturgy as the main ritual of Roman Catholicism. Placement Considerations:

- *Ryken Program Director approval*

1011 - Freshman Religion

1.00 Credit

The study and practice of religion is introduced by learning the ideas upon which Roman Catholicism is based through a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible, students will encounter the living Word of God, Jesus Christ. In the course, they will learn about the Bible, authored by God through Inspiration, and its value to people throughout the world. They will learn how to read the Bible, study the "theology of the human person", and study the liturgy as the main ritual of Roman Catholicism. Placement Considerations:

- *Standard 9th grade course of study*

1012 - H. Pre-AP/IB Freshman Religion

1.00 Credit

The study and practice of religion is introduced by learning the ideas upon which Roman Catholicism is based through a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible, students will encounter the living Word of God, Jesus Christ. In the course, they will learn about the Bible, authored by God through Inspiration, and its value to people throughout the world. They will learn how to read the Bible, study the "theology of the human person", and study the liturgy as the main ritual of Roman Catholicism. Honors students will be asked to demonstrate reading comprehension, writing skills, and organizational abilities appropriate for advanced study. Placement Considerations:

- *Advanced 9th grade course of study*
- *Studies Office/Department placement considering HSPT scores, middle school grades, and teacher recommendation*

1020 - Sophomore Religion/R

1.00 Credit

This course introduces students to the concept and belief that Jesus of Nazareth is the Christ of faith. Students are immersed in the world of the New Testament to discover how the Gospels and Epistles form the core of Christian life. Students will examine the identity of the Church, and will study a variety of sources investigating the way in which the Church interacts with society, both historically and in modern times. Placement Considerations:

- *Ryken Program Director approval*

1021 - Sophomore Religion

1.00 Credit

This course introduces students to the concept and belief that Jesus of Nazareth is the Christ of faith. Students are immersed in the world of the New Testament to discover how the Gospels and Epistles form the core of Christian life. Students will examine the identity of the Church, and will study a variety of sources investigating the way in which the Church interacts with society, both historically and in modern times. Placement Considerations:

- *Standard 10th grade course of study*

1022 - H.Pre-AP/IB Sophomore Religion

1.00 Credit

This course introduces students to the concept and belief that Jesus of Nazareth is the Christ of faith. Students are immersed in the world of the New Testament to discover how the Gospels and Epistles form the core of Christian life. Students will examine the identity of the Church, and will study a variety of sources investigating the way in which the Church interacts with society, both historically and in modern times. Honors students will be asked to demonstrate reading comprehension, writing skills, and organizational abilities appropriate for advanced study and use of primary sources in lieu of a textbook. Placement Considerations:

- ***85% or better in H. Pre-AP/IB Freshman Religion***
- ***Religion department approval***

1031 - Junior Religion

1.00 Credit

This course defines religion as a distinctly human experience that has specific characteristics. Students will study the occurrence of revelation and faith responses within different cultures. Hinduism, Buddhism, Taoism, Confucianism, Judaism, and Islam are studied in the spirit of inter-religious dialogue. Christianity, with a special emphasis on Sacraments, completes this study of major world religions. Placement Considerations:

- ***Standard 11th grade course of study***

1034 - IB World Religions I

1.00 Credit

This course explores the basic characteristics of religion across traditions and cultures. Placing each tradition in dialogue with Catholic Christianity, students explore religious ritual and practice, historical perspectives, scriptural narratives, spirituality, communal organization, and central concepts of humanity and divinity. IB students will be asked to demonstrate reading comprehension, writing skills, and organizational abilities appropriate for advanced study and use of primary sources in lieu of a textbook. Placement Considerations:

- ***85% or better in H. Pre-AP/IB Sophomore Religion***
- ***Religion department and/or IB Coordinator approval***

1044 - IB World Religions II

1.00 Credit

This course builds upon the concepts explored in Part I. Students will explore two religious traditions in depth with a central focus on the basic principles governing contemporary religious belief and ethical practice. Five religious traditions will be reviewed in preparation for the IB exam. Placement Considerations:

- ***Successful completion of IB World Religions I***
- ***Religion department and/or IB Coordinator approval***

1101 - Catholic Social Teaching

0.50 Credit

This course is an application of Catholicism's social teaching regarding specific issues encountered in the world. Students focus on Christian morality in the context of the human person as an individual moral agent living according to the Gospel. Treating issues of human relationships, the peaceful transformation of human attitudes and social justice, the course informs students' minds, challenges their attitudes, and attempts to provide them with a framework for encountering the world beyond high school in a faith-filled, meaningful way. Placement Considerations:

- ***Required for standard 12th grade course of study***

1111 - Bioethics

0.50 Credit

This course will introduce the students to major bioethical issues in our world today. As technology continues to change our world, students will learn how this technology has impacted medical research and practice on both human & non-human life. Through a case-study approach, students will consider the central topics. Students will gain a deeper understanding of ethical models used to grapple with the question "what ought I do" when faced with technologies that can change the very nature of the human person when and if these technologies are made available in the near and not-to-distant future. At the end of the semester students will look at current legislation and legal issues that surround the use of various biotechnology in the USA (and world). Placement Considerations:

- ***One of three senior semester options to be taken along with Catholic Social Teaching***

1131 - The Theology of Myth

0.50 Credit

The purpose of this course is to understand the concept of myth and how it applies to various stories in the Hebrew and Christian Scriptures. Through examining the structure of the myth and the hero archetype, students will trace the history of myth through ancient Greek and Roman god systems, the Book of Genesis, and the person of Jesus. Students will consider the various literary and theological implications of myth and discover the truth imbued in these rich stories. Placement Considerations:

- ***One of the three senior semester options to be taken along with Catholic Social Teaching***

1141 - God and the Problem of Evil

0.50 Credit

The purpose of this course is to analyze the problem of evil, particularly as it relates to theodicy. Is the traditional affirmation of God as omnipotent, omniscient, and benevolent, compatible with a world humans experience as full of evil, injustice, and unmerited suffering? Through examining major theological and philosophical figures, students will grapple with the problem of evil. Students will consider the various approaches of these thinkers from a range of biblical, theological, and philosophical perspectives. Placement Considerations:

- ***One of the three senior semester options to be taken along with Catholic Social Teaching***

English

2010 - Literary Classics/R

1.00 Credit

Freshmen will actively participate in this class by writing about a wide variety of subjects that are presented in the different genres of fiction and non-fiction. Students will practice and refine their skills in the language arts by discussing and revising their compositions. As part of this process, students will interact with mentor texts that include both classic and contemporary literature. Placement Considerations:

- *Ryken Program Director approval*

2011 - Literary Classics

1.00 Credit

This course presents a selection of major authors and literary selections from a range of genres and cultures. Novels, short stories, and poetry are studied, as well as Shakespearean drama. Additional readings supplement the literature program. Each unit emphasizes the development of writing skills. Grammar and vocabulary study include preparation for the PSAT. In addition, each student must complete a research project related to the works studied. Placement Considerations:

- *Standard 9th grade course of study*

2012 - H. Pre-AP/IB Literary Classics

1.00 Credit

This course presents a selection of major authors and literary selections from a range of genres and cultures. Dramas, poetry, and novels are studied. Additional readings supplement the literature program. Multiple writing projects, vocabulary and grammar study, and preparation for the PSAT are included in the syllabus. In addition, each student must complete a research project related to the works studied. The honors sections require additional readings and additional writing units, with an emphasis on more independent work and higher thinking skills in class exercises and written assignments. Placement Considerations:

- *Advanced 9th grade course of study*
- *Studies Office/Department placement considering HSPT scores, middle school grades, and teacher recommendation*

2017 - Literary Classics Seminar

1.00 Credit

Literary Classics Seminar is a companion class to Literary Classics for students who need reinforcement in the areas of reading and writing. Literary Classics Seminar remediates reading and writing difficulties and provides additional practice and review of Literary Classics material. Placement Considerations:

- *Placement by English department; recommendation based on HSPT scores*
- *Pass/Fail course*
- *Does not fulfill the 4-year English requirement*

2020 - American Literature/R

1.00 Credit

This course focuses on the development of critical reading skills using selections from American literature. Basic writing skills are also emphasized, stressing the development of unified paragraphs and cohesive essays. The computer writing lab is used to develop writing skills. Each student must complete a research project using the media center resources. Vocabulary development includes preparation for the PSAT. Supplementary readings are required. Placement Considerations:

- *Ryken Program Director approval*

2021 - American Literature

1.00 Credit

This course focuses on the major authors, forms, and movements in American literature. Each unit emphasizes the development of writing skills. Vocabulary and grammar study include preparation for the PSAT. In addition, each student must formulate a research topic, gather notes, and develop a conclusion based on the research. Additional readings supplement the literature program. Placement Considerations:

- ***Standard 10th grade course of study***

2022 - H. Pre-AP/IB American Lit.

1.00 Credit

This course focuses on the major authors, forms, and movements in American literature. Each unit emphasizes the development of writing skills. In addition, each student must formulate a research topic, gather notes, and develop a paper based on the research. Strong emphasis will be given to usage and development of vocabulary and to preparation for the PSAT. The computer-writing lab is used to develop writing skills. Additional readings supplement the literature program. The honors sections require additional readings and writing units, along with an emphasis on more independent work and higher-thinking skills in class exercises and written assignments. Placement Considerations:

- ***Open to 10th grade students***
- ***85% or better in H. Pre-AP/IB Literary Classics***
- ***English department approval***

2030 - British Literature/R

1.00 Credit

This course focuses on the development of critical reading skills using selections from English literature. Writing units continue the development of writing skills, and the computer writing lab is used in writing exercises. Vocabulary units include preparation for the PSAT and SAT. Supplementary readings are required. Placement Considerations:

- ***Ryken Program Director approval***

2031 - British Literature

1.00 Credit

In this course students will examine various themes inherent in selected works of British Literature. To explore these themes fully, students will read short fiction, poetry, a novel, a Shakespearean drama, and nonfiction—concentrating on careful analysis of forms, styles, and thematic ideas. Placement Considerations:

- ***Standard 11th grade course of study***

2034 - AP/IB World Lit. and Comp. Part I (SL)

1.00 Credit

This course is intended for students in the IB Diploma Program, as well as for students who wish to take a more challenging class than the standard level British Literature course. Participation in the IB Diploma Program is NOT a pre-requisite. This course begins the two-year sequence of rigorous English work in the International Baccalaureate Program. Diploma Candidates in the IB Program will fulfill the curriculum requirements for Language A: Literature SL; non-IB students are expected to take the AP Literature exam at the end of their senior year. The syllabus includes analysis of various genres by a range of major authors, from the classical to the contemporary, and engages students by developing their skills in reading a variety of rhetorical contexts and disciplines. The curriculum includes several works in translation and exposes students to literature from a variety of countries and cultures. A special emphasis is placed on strengthening students' writing skills. Guided activities include the composition of essays for multiple purposes, critical approaches to literature, individual and group oral presentations, and completion of the first major assessments required for the IB Diploma. Placement Considerations:

- ***85% or better in College Prep or H. Pre-AP/IB American Literature***
- ***Current English teacher approval***

2036 - AP/IB World Literature & Composition I (HL)

1.00 Credit

This course begins the two-year sequence of college-level English work in the International Baccalaureate Program and begins to prepare students for the AP Literature exam taken in the spring of senior year. The syllabus includes works of several genres by a range of major authors, from the classical to the contemporary, and engages students by developing their skills in reading a variety of rhetorical contexts and disciplines. Guided activities include the composition of essays for multiple purposes, critical approaches to literature, individual and group oral presentations, and completion of the first major assessments required for the IB Diploma. Placement Considerations:

- ***Open to 11th grade students***
- ***85% or better in H. Pre-AP/IB American Literature***
- ***Current English teacher approval***

2041 - World Lit. and Composition

1.00 Credit

This course offers a survey of world literature. A wide range of writers, such as Sophocles, James Baldwin, William Shakespeare and Flannery O'Connor are studied. Significant works of drama, fiction, poetry, and nonfiction are read and analyzed according to genre. Strong emphasis is given to the continuing development of each student's writing skills. Vocabulary derived from the literary selections is studied in preparation for the SAT. A research paper is one of the major assignments and supplementary readings are required Placement Considerations:

- ***Standard 12th grade course of study***

2044 - AP/IB World Lit. and Comp. Part II (SL)

1.00 Credit

This course completes the two-year sequence of rigorous English work in the International Baccalaureate Program and prepares students for the IB Language A: Literature SL Exam in the spring of senior year. Diploma Candidates in the IB Program will complete all required assessments, including the IB English SL exam in the spring. Non-IB students are expected to take the AP Literature exam in the spring. The syllabus includes a detailed study of four genres: the short story, poetry, the novel, and drama. Each student must demonstrate a mastery of the skills involved in critical analysis, logical organization, and precise writing. Placement Considerations:

- ***90% or higher in British Literature WITH current teacher's approval, OR enrollment in the IB Diploma Program, OR 85% in IB SL World Literature and Composition Part I WITH current teacher's approval***

2046 - AP/IB World Literature & Composition II (HL)

1.00 Credit

This course completes the two-year sequence of college-level English work in the International Baccalaureate Program, and prepares students for the AP Literature and Composition exam in the spring. The syllabus includes a detailed study of four genres: the short story, poetry, the novel, and drama. Each student must demonstrate a mastery of the skills involved in critical analysis, logical organization, and precise writing. Diploma Candidates in the IB Program will complete all required assessments, including the IB English exam in the spring. Non-Diploma Candidates are expected to take the AP English Literature exam. A senior research paper is required of all students. Placement Considerations:

- ***Open to 12th grade students***
- ***85% or better in AP/IB World Literature & Composition I (HL)***
- ***Current English teacher approval***

2057 - Creative Writing: Non-fiction & Poetry

0.50 Credit

How can we express our perception of the human experience? Structured as a workshop, this course allows students to explore that question, developing and refining writing skills in two genres: creative nonfiction and poetry. Through the careful study of selected texts and models, students will work to discern the elements of each genre and the techniques authors employ to craft their work. In studying the conventions and traditions of a genre, students will know which "rules" to follow and which they would like to break. The anchor of the course however, is the writing. Students will work to discover their own narrative voices and work within multiple poetic forms. Following a workshop model, students will create, draft, workshop, and revise their work, completing each quarter with a portfolio, demonstrating the ability to apply the elements and techniques of the genre. Placement Considerations:

- ***Elective credit only; does not fulfill the 4-year English requirement***

2058 - Creative Writing: Short Fiction & Drama

0.50 Credit

How can we express our perception of the human experience? Structured as a workshop, this course allows students to explore that question, developing and refining writing skills in two genres: short fiction and drama. Through the careful study of selected texts and models, students will work to discern the elements of each genre and the techniques authors employ to craft their work. In studying the conventions and traditions of a genre, students will know which "rules" to follow and which they would like to break. The anchor of the course however, is the writing. Students will work to discover various narrative perspectives, to define vivid characters, and to find beauty in the English language. As a part of the drama unit, students will work to develop a 10-minute play and a 5 minute film script, affording some attention to the intricacies of staging a drama and deft cinematography. Following a workshop model, students will create, draft, workshop, and revise their work, completing each quarter with a portfolio, demonstrating the ability to apply the elements and techniques of the genre. Placement Considerations:

- ***Elective credit only; does not fulfill the 4-year English requirement***

I2004 - IB Language A: Literature SL

1.00 Credit

This course permits international students to pursue the IB Diploma by fulfilling the Group 1: Language A SL requirement in the students' primary language. While the class will be conducted in English, works and formal assessments for the IB Diploma will be read and completed in the students' primary language with teacher supervision and guidance. Students will work collaboratively and independently to complete the course requirements. This course is not open to students outside of the IB Diploma Program or international student cohorts. Placement Considerations:

- ***Open to International Students only with teacher approval***

World Languages

3010 - Language, Communication, & Cultures

1.00 Credit

Students who are not in the Ryken Program may elect this course, with the understanding that they will need to complete three additional credits in one language to satisfy Good Counsel's graduation requirement.

This course introduces students to several foreign languages and areas of the world. Through examination of the many manners in which people communicate and act worldwide, students will gain a greater appreciation of the dynamics involving Latin, Greek, French, Spanish, German, Italian, Hebrew, Esperanto, and Asian languages. Students will increase their knowledge of the structures and richness of their own English language, and learn how to study a foreign language in general. Oral reports, web-based resources, guest speakers, films, field trips to local restaurants, and small introductory units to sounds and basic vocabulary expressions will allow students in the Ryken Program to complete one level of Good Counsel's foreign language requirement before choosing a two-year sequence in French, Latin, or Spanish. Placement Considerations:

- ***Ryken Program Director approval***
- ***Open to students in all grade levels***
- ***Does not fulfill the language for non-Ryken Program Students***

3017 - American Sign Language

1.00 Credit

This class introduces the fundamentals of American Sign Language (ASL) used by the Deaf community and includes basic vocabulary, syntax, finger spelling, and grammatical non-manual signals. The class focuses on communicative competence, introduces cultural knowledge, and increases understanding of the Deaf community. Placement Considerations:

- ***Elective credit only; does not fulfill the 3-year world language requirement***

3110 - Spanish I/R

1.00 Credit

In the Spanish I (Ryken) class, students begin to learn to communicate orally and in written form about daily life. Emphasis is on vocabulary development, simple grammatical structures, and the basic culture of the people. Students are encouraged to use the language beyond the school setting and stay informed of current events in countries where the target language is spoken. Placement Considerations:

- ***Ryken Program Director approval***

3111 - Spanish I

1.00 Credit

This course offers a broad introduction to the sounds, present tense structures, and basic vocabulary of the Spanish language. Student proficiency and progress are measured by personal interviews, oral presentations, written tests/quizzes, and projects. Placement Considerations:

- ***Introductory course***

3112 - H. Pre-AP/IB Spanish I

1.00 Credit

This accelerated course covers all basic vocabulary and basic grammatical structures through the past tense. No prior knowledge of Spanish is presumed. This course is highly suggested for those students interested in advanced conversational/literature courses in the junior and senior years. Students are expected to begin using Spanish as the predominant method of communication as they develop proficiency and are evaluated in spoken, written, reading, and listening skills. Placement Considerations:

- ***Advanced 9th grade course of study***
- ***Studies Office/Department placement considering HSPT scores, middle school grades, and teacher recommendation***

3120 - Spanish II/R

1.00 Credit

This second-year introductory course is designed to help students continue with their development of skills necessary to communicate orally and in writing, and to understand the written and spoken language that they began in Spanish I Ryken. The emphasis is on vocabulary development and the acquisition of additional simple grammatical structures. Students communicate about relevant, real-world topics that affect them on a daily basis in common settings and theme areas such as family, home, and community. The students will also explore various Hispanic cultures from different perspectives such as geography, history, cultural traditions, art, music, and daily life. Placement Considerations:

- ***Ryken Program Director approval***

3121 - Spanish II

1.00 Credit

This course builds upon the foundations of Spanish I. Spanish II explores the present progressive tense, past tense, reflexive verbs, verbal idioms, and other grammatical constructions. Evaluation centers on oral interviews and presentations, daily participation, homework, listening comprehension, reading comprehension, written tests/quizzes, and projects. Placement Considerations:

- ***Successful completion of Spanish I***
- ***Entry level placement based on HSPT scores, Studies Office, and Language department approval***

3122 - H. Pre-AP/IB Spanish II

1.00 Credit

This accelerated course explores past tenses, verbal idioms, and other constructions. Students are evaluated on written quizzes/tests, listening/composition skills, oral interviews, homework, class participation, projects, and presentations. This course is a prerequisite for advanced conversational/literature courses in the junior and senior years. Placement Considerations:

- ***85% or better in H. Pre-AP/IB Spanish I***
- ***Entry level placement based on HSPT scores, Studies Office, and Language department approval***

3124 - IB Spanish II

1.00 Credit

This accelerated course explores past tenses, verbal idioms, and other constructions. Students are evaluated on written quizzes/tests, listening/composition skills, oral interviews, homework, class participation, projects, and presentations. This course is a prerequisite for advanced conversational/literature courses in the junior and senior years. This course fulfills the year-one requirement for IB Spanish Ab Initio SL. Placement Considerations:

- ***Open to 11th grade students in the IB Diploma Programme***
- ***IB Coordinator approval***

3131 - Spanish III

1.00 Credit

This course stresses vocabulary and structural goals similar to Honors Spanish III, with modified pacing and reading priorities. Evaluation stresses oral interviews, vocabulary, structure, homework completion, projects, and reading/listening skills. Placement Considerations:

- ***Successful completion of Spanish II***
- ***Entry level placement based on HSPT scores, Studies Office, and Language department approval***

3132 - H. Pre-AP/IB Spanish III

1.00 Credit

This accelerated course is conducted almost exclusively in Spanish. Emphasis is on oral evaluation, written composition, and reading. More complex verb constructions include the future tense and the conditional and subjunctive moods. Placement Considerations:

- ***85% or better in H. Pre-AP/IB Spanish II***
- ***Entry level placement based on HSPT scores, Studies Office, and Language department approval***

3134 - IB Spanish III

1.00 Credit

This accelerated course is conducted almost exclusively in Spanish. Emphasis is on oral evaluation, written composition, and reading. More complex verb constructions include the future tense and the conditional and subjunctive moods. This course fulfills the year-two requirement for IB Spanish Ab Initio SL and the year-one requirement for IB Spanish B SL. Placement Considerations:

- ***Open to 11th grade or 12th grade students in the IB Diploma Program***
- ***IB Coordinator approval***

3141 - Spanish IV

1.00 Credit

This course will center on review of grammatical structures, idioms, reading comprehension, discussion, short presentations and vocabulary. Students read, analyze, and discuss topics of culture through newspaper articles, Latin American legends, and short stories. In addition, students are given a survey of Latin American geography, history, art, literature, and customs. Grammatically, students will examine a wide range of structures and idioms. Evaluation will include oral reports, written compositions, and grammatical exercises. Placement Considerations:

- ***Successful completion of Spanish III***

3142 - H. Pre-AP/IB Spanish IV

1.00 Credit

This course is for highly-capable students and IB Candidates, and is taught predominantly in Spanish. Students read, analyze, and discuss topics of culture through newspaper articles, Latin American legends, and short stories. In addition, students are given a survey of Latin American geography, history, art, literature, and customs. Grammatically, students will examine a wide range of structures and idioms. Evaluation will include oral reports, written compositions, and grammatical exercises. Honors students will be asked to demonstrate reading comprehension, writing skills, and organizational abilities appropriate for advanced study. Placement Considerations:

- ***85% or better in H. Pre-AP/IB Spanish III***

3144 - IB Spanish IV

1.00 Credit

This course is for highly-capable students and IB Candidates, and is taught predominantly in Spanish. Students read, analyze, and discuss topics of culture through newspaper articles, Latin American legends, and short stories. In addition, students are given a survey of Latin American geography, history, art, literature, and customs. Grammatically, students will examine a wide range of structures and idioms. Evaluation will include oral reports, written compositions, and grammatical exercises. This course fulfills the year-two requirement for IB Spanish B SL and the year-one requirement for IB Spanish B HL.

Placement Considerations:

- ***Open to 11th grade or 12th grade students in the IB Diploma Program***
- ***IB Coordinator approval***

3156 - AP/IB Spanish V

1.00 Credit

These sections lead to Advanced Placement and other IB-approved options. In conjunction with exercises in advanced structures, vocabulary, speaking and writing, students read a novel (La Celestina), newspaper articles, Latin American short stories, and poetry. In May, students are expected to take the AP exam (examination fee required). It is recommended that students take the AP exam at the end of their language sequence. Placement Considerations:

- ***85% or better in prior Spanish IV course***
- ***World Language department approval***

3166 - AP/IB Spanish VI

1.00 Credit

These sections lead to Advanced Placement and other IB-approved options. In conjunction with exercises in advanced structures, vocabulary, speaking and writing, students read a novel (La Celestina), newspaper articles, Latin American short stories, and poetry. In May, students are expected to take the AP exam (examination fee required). It is recommended that students take the AP exam at the end of their language sequence. Placement Considerations:

- ***85% or better in prior Spanish V course***
- ***World Language department approval***

3176 - AP/IB Spanish VII

1.00 Credit

These sections lead to Advanced Placement and other IB-approved options. In conjunction with exercises in advanced structures, vocabulary, speaking and writing, students read a novel (La Celestina), newspaper articles, Latin American short stories, and poetry. In May, students are expected to take the AP exam (examination fee required). It is recommended that students take the AP exam at the end of their language sequence. Placement Considerations:

- ***85% or better in prior Spanish VI course***
- ***World Language department approval***

3211 - French I

1.00 Credit

This course offers a broad introduction to the sounds, present tense structures, and basic vocabulary of the French language. Student proficiency and progress are measured by personal interviews, written tests/quizzes, structural pattern growth, vocabulary comprehension/use, and short reading comprehension passages. Placement Considerations:

- ***Introductory course***

3212 - H. Pre-AP/IB French I

1.00 Credit

This honors-level class introduces all basic vocabulary and structures through the past tense. No prior knowledge of French is presumed. This section is highly suggested for those students interested in advanced conversational/literature courses in the junior and senior years. Students are expected to begin using French as the predominant method of communication as they develop proficiency, and are evaluated in spoken, written, reading, and listening skills. Placement Considerations:

- ***Advanced 9th grade course of study***
- ***Studies Office/Department placement considering HSPT scores, middle school grades, and teacher recommendation***

3221 - French II

1.00 Credit

This course builds upon the foundations of French I. Vocabulary and structure goals are similar to Honors French II, with modified evaluations and reading priorities. Evaluation centers on oral interviews, daily participation, homework, projects, and written tests. Placement Considerations:

- ***Successful completion of French I***
- ***Entry level placement based on HSPT scores, Studies Office, and Language department approval***

3222 - H. Pre-AP/IB French II

1.00 Credit

This accelerated course explores past tenses, verbal idioms, and other constructions. Students are evaluated on written quizzes/tests, listening/composition skills, oral interviews, homework, class participation, projects, and presentations. Placement Considerations:

- ***85% or better in H. Pre-AP/IB French I***
- ***Entry level placement based on HSPT scores, Studies Office, and Language department approval***

3224 - IB French II

1.00 Credit

This accelerated course explores past tenses, verbal idioms, and other constructions. Students are evaluated on written quizzes/tests, listening/composition skills, oral interviews, homework, class participation, projects, and presentations. This section is a prerequisite for advanced conversational/literature courses in the junior and senior years. This course fulfills the year-one requirement for IB French Ab Initio SL. Placement Considerations:

- ***Open to 11th grade students in the IB Diploma Program***
- ***IB Coordinator approval***

3231 - French III

1.00 Credit

This course stresses vocabulary and structural goals similar to Honors French III, however, the pacing and reading priorities are modified. Evaluation centers on oral interviews, vocabulary, structure, homework completion, and reading/listening skills. Placement Considerations:

- ***Successful completion of French II***
- ***Entry level placement based on HSPT scores, Studies Office, and Language department approval***

3232 - H. Pre-AP/IB French III

1.00 Credit

This accelerated course is conducted almost exclusively in French. Emphasis is on oral evaluation, written composition, and reading. More complex verb constructions include future, conditional, and subjunctive forms. Placement Considerations:

- ***85% or better in H. Pre-AP/IB French II***
- ***Entry level placement based on HSPT scores, Studies Office, and Language department approval***

3234 - IB French III

1.00 Credit

This accelerated course is conducted almost exclusively in French. Emphasis is on oral evaluation, written composition, and reading. More complex verb constructions include future, conditional, and subjunctive forms. This course fulfills the year-two requirement for IB French Ab Initio SL and the year-one requirement for IB French B SL. Placement Considerations:

- ***Open to 11th grade or 12th grade students in the IB Diploma Program***
- ***IB Coordinator approval***

3241 - French IV

1.00 Credit

In this class students will do many reading, writing, listening, and speaking activities with the goal of becoming creative with self-expression. Students will learn advanced grammar structures, and build on the vocabulary that was learned in French I, II and III. This class is taught in French and students will be expected to speak in the target language during class. Placement Considerations:

- ***Successful completion of French III***

3242 - H. Pre-AP/IB French IV

1.00 Credit

This course is for highly-capable students and is taught entirely in French. Students analyze and discuss topics of culture through newspaper articles and literary selections, and view the films Jean de Florette and Manon des Sources. Grammatically, students will review a wide range of structures and idioms. Evaluation will include oral presentations, written compositions, projects, and grammatical exercises. Placement Considerations:

- ***85% or better in H. Pre-AP/IB French III***
- ***Language department approval***

3244 - IB French IV

1.00 Credit

This course is for IB candidates, and is taught entirely in French. Students analyze and discuss topics of culture through newspaper articles and literary selections, and view the films Jean de Florette and Manon des Sources. Grammatically, students will review a wide range of structures and idioms. Evaluation will include oral presentations, written compositions, projects, and grammatical exercises. Placement Considerations:

- ***Open to 11th grade or 12th grade students in the IB Diploma Program***
- ***IB Coordinator approval***

3256 - AP/IB French V

1.00 Credit

These courses lead to Advanced Placement and other IB-approved options. They focus on specific themes such as youth, women, families, cities, social classes, politics, and the arts. Studies include literary passages of every genre from francophone regions, film, review of necessary structures for national and international testing, and use of the Internet for cultural, political, and linguistic exploration. Students are required to make frequent presentations on research topics dealing with groups, growth and change, and leisure. They will process and evaluate information from these written and oral sources. French VI students read novels, plays, and poetry suggested by the Advanced Placement Literature curriculum. In May, students are expected to take the AP exam or the IB external exam (examination fee required). It is recommended that students take the AP exam at the end of their language sequence. Placement Considerations:

- ***85% or better in prior course***
- ***Language department approval***

3266 - AP/IB French VI

1.00 Credit

These courses lead to Advanced Placement and other IB-approved options. They focus on specific themes such as youth, women, families, cities, social classes, politics, and the arts. Studies include literary passages of every genre from francophone regions, film, review of necessary structures for national and international testing, and use of the Internet for cultural, political, and linguistic exploration. Students are required to make frequent presentations on research topics dealing with groups, growth and change, and leisure. They will process and evaluate information from these written and oral sources. French VI students read novels, plays, and poetry suggested by the Advanced Placement Literature curriculum. In May, students are expected to take the AP exam or the IB external exam (examination fee required). It is recommended that students take the AP exam at the end of their language sequence. Placement Considerations:

- ***85% or better in prior course***
- ***Language department approval***

3276 - AP/IB French VII

1.00 Credit

These courses lead to Advanced Placement and other IB-approved options. They focus on specific themes such as youth, women, families, cities, social classes, politics, and the arts. Studies include literary passages of every genre from francophone regions, film, review of necessary structures for national and international testing, and use of the Internet for cultural, political, and linguistic exploration. Students are required to make frequent presentations on research topics dealing with groups, growth and change, and leisure. They will process and evaluate information from these written and oral sources. French VI students read novels, plays, and poetry suggested by the Advanced Placement Literature curriculum. In May, students are expected to take the AP exam or the IB external exam (examination fee required). It is recommended that students take the AP exam at the end of their language sequence. Placement Considerations:

- ***85% or better in prior course***
- ***Language department approval***

3311 - Latin I

1.00 Credit

This course is designed to introduce the language of ancient Rome by means of vocabulary, classical pronunciation, grammar, and syntax. Latin and English vocabulary are built through developing word-attack skills in word derivation. Classical history and mythology are examined. Placement Considerations:

- ***Introductory course***

3312 - Honors Latin I

1.00 Credit

This honors-level, accelerated course will include material from the regular Latin I course and additional translations by classical authors, which have more complex syntactical structures. Students will also be expected to complete projects concerning classical history and mythology. Placement Considerations:

- ***Advanced 9th grade course of study***
- ***Studies Office/Department placement considering HSPT scores, middle school grades, and teacher recommendation***

3321 - Latin II

1.00 Credit

This course is a study of grammar and the development of vocabulary, along with techniques for translating. Students continue work with derivatives, Latin mottoes, abbreviations, and quotations. Classical history, mythology, and Julius Caesar's writings will be examined in greater detail. Placement Considerations:

- ***Successful completion of Latin I***
- ***Entry level placement based on HSPT scores, Studies Office, and Language department approval***

3322 - Honors Latin II

1.00 Credit

This accelerated course includes all of the material in regular Latin II and additional passages from Caesar's De Bello Gallico. Other ancient works will include both prose and poetry of such authors as Ovid, Catullus, and Horace. Placement Considerations:

- ***85% or better in Honors Latin I***
- ***Entry level placement based on HSPT scores, Studies Office, and Language department approval***

3331 - Latin III

1.00 Credit

This course begins with a review of grammar and vocabulary. The translation of Latin authors is stressed using selections from Virgil, Catullus, and Caesar. Increased facility in reading Latin without translation is emphasized. Placement Considerations:

- ***Successful completion of Latin II***
- ***Entry level placement based on HSPT scores, Studies Office, and Language department approval***

3332 - Honors Latin III

1.00 Credit

This accelerated course will include all the material from regular Latin III and additional passages from Virgil, Catullus, and Caesar. There will be a continued emphasis on more difficult passages from ancient authors. Placement Considerations:

- ***85% or better in Honors Latin II***
- ***Entry level placement based on HSPT scores, Studies Office, and Language department approval***

3341 - Latin IV

1.00 Credit

Latin IV is designed to replicate a college seminar course as closely as possible. Students will focus primarily on reading ancient texts as well as practicing Latin prose composition. Authors read will include Caesar, Catullus, Cicero, Sallust and Virgil. Heavy emphasis will be placed on linguistics, etymology and Indo-European morphology. The lessons learned here will prove invaluable for honing English reading and writing skills. Placement Considerations:

- ***Successful completion of Latin III***

3342 - Honors Latin IV

1.00 Credit

This accelerated course is designed to replicate a college seminar course as closely as possible. Students will focus primarily on reading ancient texts as well as practicing Latin prose composition. Authors read will include Caesar, Catullus, Cicero, Sallust and Virgil. Heavy emphasis will be placed on linguistics, etymology and Indo-European morphology. The lessons learned here will prove invaluable for honing English reading and writing skills. Placement Considerations:

- ***85% or better in Honors Latin III***
- ***Language department approval***

3411 - Chinese I

1.00 Credit

Students will first develop basic communication skills that include: pronunciation, listening comprehension, and speaking. Once basic communication skills progress, students will expand their knowledge with increased basic vocabulary and simple grammar. Students will also be exposed to limited reading and writing appropriate to this level. NOTE: Chinese II will only run in the 2017-2018 school-year if there is enough interest. Placement Considerations:

- ***Introductory course***

I3011 - ELL

1.00 Credit

In this course, students will seek to augment their English communication skills, both oral and written. The objectives of this course align with all four areas assessed by the College Board's TOEFL Test: speaking, listening, reading, and writing. In order to improve speaking, listening, and reading comprehension skills, students will use the Passages textbook and workbook. This series offers engaging, high interest exercises and activities for Intermediate-Advanced level English Language Learners. We will also spend a significant portion of our class time in a writing workshop. In this segment of the course, students will work on writing assignments from other classes and will meet regularly with the teacher for one-on-one and/or small group tutoring. Students will maintain a journal of individualized writing goals and track their progress toward achieving these goals. Placement Considerations:

- ***Open to International Students only with teacher approval***

I3021 - ELL II

1.00 Credit

In this course, students will continue to augment their English communication skills, both oral and written. The objectives of this course align with all four areas assessed by the College Board's TOEFL Test: speaking, listening, reading, and writing. In order to improve speaking, listening, and reading comprehension skills, students will use the Passages textbook and workbook. This series offers engaging, high interest exercises and activities for Intermediate-Advanced level English Language Learners. We will also spend a significant portion of our class time in a writing workshop. In this segment of the course, students will work on writing assignments from other classes and will meet regularly with the teacher for one-on-one and/or small group tutoring. Students will maintain a journal of individualized writing goals and track their progress toward achieving these goals. Placement Considerations:

- ***Open to International Students only with teacher approval***

I3034 - IB Language B SL Year 1

1.00 Credit

This course builds on the skills taught in ELL 2 and continues to provide support for English Language Learners by focusing on increasing a student's proficiency with the English language. The focus is on grammar, vocabulary, reading, writing, and speaking. This work will help to prepare students for both the TOEFL test and, for IB Diploma candidates, the Language B test. Placement Considerations:

- ***Open to International Students only with teacher approval***

I3044 - IB Language B SL Year 2

1.00 Credit

This course builds on the skills taught in ELL Year 3 and continues to provide support for English Language Learners by focusing on increasing a student's proficiency with the English language. The focus is on grammar, vocabulary, reading, writing, and speaking. This work will help to prepare students for both the TOEFL test and, for IB Diploma candidates, the Language B test. Placement Considerations:

- ***Open to International Students only with teacher approval***

Mathematics

4010 - Algebra I/R

2.00 Credit

This freshman course covers properties of real numbers, evaluating expressions with real numbers and variables, linear equations, simplifying and factoring polynomials, quadratic functions, data collection and probability, rules for exponents, simplifying rational and radical expressions, and solving simple inequalities. Placement Considerations:

- ***Ryken Program Director approval***
- ***Course meets on BOTH Blue and Gold days***
- ***Completion of OLGCHS's Ryken Basic Math Course (summer preceding enrollment)***

4011 - Algebra I

1.00 Credit

This freshman course covers properties of the real number system, operations with real numbers and variables, linear equations and inequalities, operations with polynomials, factoring polynomials, simplifying rational algebraic expressions, quadratic functions, and evaluating radical expressions. Problem-solving is emphasized throughout the course. Students in this course will be considered for the honors math program as sophomores. Placement Considerations:

- ***Standard 9th grade course of study***

4012 - H. Pre-AP/IB Algebra I

1.00 Credit

This is an Algebra I course designed for students who are interested in entering the honors math program as sophomores. Students will study linear equations and inequalities, polynomial operations, quadratic functions, and operations with exponents and radicals. Emphasis will be placed on problem-solving, graphic interpretation, and geometric applications. Placement Considerations:

- ***Advanced 9th grade course of study***
- ***Studies Office/Department placement considering HSPT scores, middle school grades, GC Math Placement test performance, and teacher recommendation***

4017 - Algebra I Seminar

1.00 Credit

Algebra I Seminar is a companion class to a semester of Algebra I for students who are not quite prepared for high school Algebra. Algebra I Seminar remediates Pre-Algebra difficulties and provides additional practice and review of Algebra I material. Placement Considerations:

- ***Placement by Math department recommendation based on middle school math performance and HSPT scores***
- ***Pass/Fail course***
- ***Does not fulfill the 4-year math requirement***

4020 - Geometry/R

1.00 Credit

This course covers angle and line relationships, parallel lines and planes, congruent and similar polygons, perimeter and area of plane figures, and area and volume of solids. Students will demonstrate their knowledge of these geometric concepts through algebraic applications, constructions, and proofs. Placement Considerations:

- ***Ryken Program Director approval***
- ***Math department approval***

4021 - Geometry

1.00 Credit

Over the course of the year, students will study angle and line relationships, parallel lines and planes, congruent and similar polygons, right triangles, right triangle trigonometry, circles, perimeter and area of plane figures, and area and volume of solids. The students demonstrate mastery through extensive proof methods, algebraic applications and geometric constructions. The students will receive some preparation for the PSAT, SAT and ACT exams. Placement Considerations:

- ***Successful completion of Algebra I***

4022 - H. Pre-AP/IB Geometry

1.00 Credit

This is a rigorous course designed for students with superior mathematical ability. This course covers angle and line relationships, parallel lines and planes, congruent and similar polygons, right triangles, right triangle trigonometry, circles, perimeter and area of plane figures, area and volume of solids, coordinate geometry, sets, logic, statistics, probability, and transformations. Students master these geometric concepts through extensive proof methods, algebraic applications, and geometric constructions. The students will receive some preparation for the PSAT, SAT and ACT exams. Placement Considerations:

- ***85% or better in H. Pre-AP/IB Algebra I or Algebra I***
- ***Entry level placement based on HSPT scores, Studies Office and Math department approval, and placement exam performance***

4030 - Algebra II/R

1.00 Credit

This course includes the study of real and complex numbers, linear and quadratic functions, systems of equations and inequalities, and exponential functions. Problem-solving and graphing processes will be emphasized. Students receive preparation for SAT and ACT exams. Placement Considerations:

- ***Ryken Program Director approval required***
- ***Math department approval***

4031 - Algebra II

1.00 Credit

This course covers linear and quadratic functions, functions and relations, systems of equations and inequalities, complex numbers, exponential and logarithmic functions, and matrices. Problem-solving and graphing processes are highly emphasized. Students receive preparation for the SAT and ACT exams. Recommendation: students receiving a grade below a C in Algebra I should enroll in Accelerated Algebra offered as a summer class at OLGCHS to review Algebra I before entering this course. Placement Considerations:

- ***Successful completion of Geometry***

4032 - H. Pre-AP/IB Algebra II

1.00 Credit

Students continue to approach mathematical concepts from a more theoretical perspective than in non-honors courses. This course covers relations and functions, solving equations and inequalities, quadratic functions, exponential and logarithmic functions, complex numbers, rational and irrational functions, polynomial functions, and matrices. Problem-solving and graphing processes are emphasized. Students receive preparation for the SAT and ACT exams. Placement Considerations:

- ***85% or better in H. Pre-AP/IB Geometry and appropriate Algebra I scores***
- ***Entry level placement based on HSPT scores, Studies Office and Math department approval, and GC math placement exam performance***

4041 - Precalculus

1.00 Credit

This course introduces the students to the mathematics necessary for the future study of calculus. This course focuses on the study of polynomial, exponential, logarithmic, and trigonometric functions from algebraic and geometric perspectives. Throughout the course, students receive preparation for the SAT and ACT exams. Recommendation: students receiving a grade of a C or D in Algebra II should contact the Math Department Chair for summer review materials before entering this course. Placement Considerations:

- ***75% or better in Algebra II***
- ***Math department approval***

4042 - H. Pre-AP/IB Precalculus

1.00 Credit

This theoretical mathematics course is designed to meet the needs of the advanced students. Topics covered include: polynomial, exponential, logarithmic, and circular functions. Students will also study matrices, probability, statistics, and the beginning of limit theory. (This is the first of two courses for IB students preparing to take the IB Math SL exam and the first of three classes for those preparing to take the IB Math HL exam.) Placement Considerations:

- ***85% or better in H. Pre-AP/IB Algebra II***
- ***Math department approval***

4044 - IB Math Studies

1.00 Credit

This course is designed for students who choose to study non-calculus based, higher-level mathematics and its applications. Topics covered include: functions, vectors, matrices, trigonometric relationships, sequences, linear programming, sets, data collecting and presentation of information, probability and statistics, logic, and an introduction to differential calculus. Emphasis will be placed on methodology, as well as application to real world situations. Students who successfully complete this course are prepared to sit for the IB Math Studies SL exam. Placement Considerations:

- ***Open to 11th and 12th grade students in the IB Diploma Programme***
- ***85% or better in H. Pre-AP/IB Algebra II or Algebra II***
- ***Math department approval***

4050 - Precalculus Concepts/R

1.00 Credit

This course is designed to review concepts from previous Ryken math courses and to introduce the students to the concepts of precalculus. The course includes a review of algebra and geometry through SAT-type questions, trigonometry, matrices, probability and statistics. Placement Considerations:

- ***Ryken Program Director approval required***
- ***Math department approval***

4061 - Intro to College Statistics & Calculus

1.00 Credit

The intent of this course is to expose senior math students to both statistics and calculus prior to graduation. The first semester of this course will consist of an introduction to college-level calculus while the second semester will offer the students an introduction to college-level statistics. Materials from our current courses of Honors Calculus, IB Math and AP Statistics will be used in this course. The curriculum for this course will include projects in both statistics and calculus. Placement Considerations:

- ***Open to 12th grade students***
- ***Successful completion of Precalculus***
- ***Math Department approval required***

4062 - Honors Calculus

1.00 Credit

This course is designed as a first-year calculus course with an emphasis placed upon limits of functions, differential calculus, and integral calculus. Applications of derivatives and integrals will also be included. Placement Considerations:

- ***75% or better in H. Pre-AP/IB Precalculus or Precalculus***

4063 - AP Calculus AB

1.00 Credit

This is a college-level course designed to prepare students to take the AP Calculus (AB level) examination in May. Students study limits of functions (including transcendental functions), continuity, the definition of derivative, derivatives of functions, application of the derivative, the definite and indefinite integral, and applications of the integral. Since an emphasis will be placed on both algebraic and graphical analysis of functions, use of a graphing calculator is required. Students are expected to take the AP Calculus exam in May (examination fee required). Placement Considerations:

- ***85% or better in H. Pre-AP/IB Precalculus***
- ***85% or better in Honors Calculus***
- ***Math department approval***

4064 - IB Math SL

1.00 Credit

This course caters to students who already possess knowledge of basic mathematical concepts, and who are equipped with the skills needed to apply simple mathematical techniques correctly (learned in coursework up to and including Honors Precalculus). This class is appropriate for students who need a sound mathematical background as they prepare for future studies in subjects such as chemistry, economics, psychology and business administration. Topics studied include limits, differential calculus, integral calculus, vectors, statistical analysis (including binomial, normal and standard normal distributions) and fundamental probability. Students who successfully complete this course are prepared to sit for the IB Math SL exam. Placement Considerations:

- ***85% or better in H. Pre-AP/IB Precalculus***
- ***Math department approval***

4073 - AP Calculus BC

1.00 Credit

This is a college-level course designed to prepare students to take the AP Calculus (BC level) examination in May. Topics covered include those from AP Calculus (AB) as well as polar coordinates, vectors, parametrically-defined functions, infinite series and elementary differential equations. Taylor polynomials and slope fields are also studied. This is considered year one of the IB HL Math course. Students are expected to take the AP Calculus exam in May (examination fee required). Placement Considerations:

- ***85% or better in AP Calculus AB***
- ***Math department approval***

4075 - IB Math HL

1.00 Credit

This is a college-level course designed to prepare students to take the IB Mathematics HL examination in May. The first quarter will consist of a review of differential calculus and will begin the study of integral Calculus. During the second and third quarters, students will study core topics outlined in the IB Mathematics HL curriculum. These include, but are not limited to, vector geometry, matrices and transformations, statistics, probability, and analysis and approximation of various functions. Students will be expected to take the IB Math HL exam in May (examination fee required). Placement Considerations:

- ***Open to 12th grade students in the IB Diploma Programme***
- ***85% or better in AP Calculus***
- ***Math department approval***

4081 - Precalculus Year 1

1.00 Credit

This course is the first in a two course series that provides a foundation for the future study of calculus. Precalculus Year 1 focuses on the study of polynomial, rational, radical, exponential, logarithmic, and piecewise functions. Conic sections are also addressed. Analytic, numeric, and graphical approaches are applied. Correlated SAT and ACT preparation is incorporated into the course. Placement Considerations:

- ***Successful completion of Algebra II***
- ***Math department approval***

4101 - Financial Math

0.50 Credit

Students will examine a variety of financial topics including earning money, banking, credit and loans, housing, transportation, taxes, budgeting, investments and retirement, and travel and vacation cost calculation. Placement Considerations:

- ***Open to 11th and 12th grade students***
- ***Does not fulfill the math requirement***

4103 - AP Statistics

1.00 Credit

This course is designed to offer a modern introduction to statistics that is equal to those courses offered at the college level. Students will explore patterns in data, analyze univariate and bivariate data, and produce models using probability theory and simulation. Additional topics of study include probability distributions, random variables, normal and binomial distributions, statistical inference, and tests of significance. Students are expected to take the AP Statistics exam in May (examination fee required). Placement Considerations:

- ***85% or better in H. Pre-AP/IB Algebra II or above***
- ***Math department approval***
- ***This class does not fulfill the math requirement for students who have not completed Precalculus***

Science

5010 - Biology/R

1.00 Credit

The Ryken Biology course begins with mastery of scientific investigation, where students learn how to analyze and evaluate experimental data. Major topics in the first semester shall involve studies of the cell, evolution and classification systems, and ending with surveys of the major kingdoms of life including Archebacteria, Bacteria, Protista, Fungi, Plant, and Animal kingdoms. The second semester shall include topics in biochemistry, cellular respiration, photosynthesis, cellular division, genetics, and ecology. This course will offer a hands-on approach to learning and involves a wide variety of laboratory experiences throughout the year. The unified goal of this course is for students to gain an understanding of current advances made in the field of biology, and to apply these concepts through their daily activities. Placement Considerations:

- ***Ryken Program Director approval***
- ***Open to 9th graders***

5011 - Biology

1.00 Credit

This course will begin by introducing students the nature of scientific thinking and investigation. Topics of study include: ecology, biochemistry, cell physiology, cellular energetics, cellular division, Mendelian and Molecular genetics, DNA and protein synthesis, applications of biotechnology, Darwinian evolution, as well as classification of the major kingdoms of life on Earth (Bacteria, Protista, Fungi, Plantae, and Animalia). Throughout the course students will participate in a large variety of laboratory experiences. Current biological issues will be investigated and their implications on society will be discussed. The goal of this course is for students to gain an understanding of how biology plays a role in everyday life, in addition to all of the advances and current issues being discussed in the Biological sciences within and outside of the classroom. Placement Considerations:

- ***Standard 9th grade course of study***

5012 - H. Pre-AP/IB Biology

1.00 Credit

This course is intended for incoming freshmen who are embarking on an honors-level, IB or AP course of study in the sciences. Juniors may take this class as an honors-level science class, however, junior placement into this class must be made by the student's current science teacher. It is designed to cover the IB SL Biology curriculum and supplemental units common to both IB Biology and AP Biology. Major topics include statistics, ecology, inorganic and organic chemistry, cellular/molecular biology, human physiology, and cellular and molecular genetics. Extensive laboratory work with inquiry-based lab skills will be completed for each unit. Placement Considerations:

- ***Advanced 9th grade course of study***
- ***Studies Office/Department placement considering HSPT scores, middle school grades, and teacher recommendation***

5013 - AP Biology

1.00 Credit

The AP Biology curriculum is based upon major topics found in many entry-level collegiate biology programs, and covers the following topics: ecology, biochemistry, molecular genetics, classical genetics, evolution, population genetics, speciation, embryology, animal anatomy and physiology (invertebrates and vertebrates). This course also includes development of laboratory skills and lab experiences in all major content topics. Students will take the AP Biology exam in May (examination fee required). Placement Considerations:

- ***85% or better in H. Pre-AP/IB Biology & H. Pre-AP/IB Chemistry***
- ***Science department approval***

5014 - IB Biology SL

1.00 Credit

The IB Standard Level (SL) Biology class is designed for students in the IB diploma program. IB diploma candidates taking this course for their SL science credit will take the IB SL Biology exam in May (exam fee required). IB diploma candidates can also take this as year 1 of IB HL Biology. This course will cover the IB SL curriculum covering topics including cellular and molecular biology, genetics, ecology, evolution, biodiversity, and human anatomy and physiology. A major component of this course includes the investigation of topics through inquiry-based labs with the expectation that lab reports are written in an AP/IB standardized format. Extensive lab work will lead to the skills necessary to complete an individualized research project. Placement Considerations:

- ***Open to 11th grade students in the IB Diploma Program***
- ***Successful completion of H. Pre-AP/IB Biology and H. Pre-AP/IB Chemistry***
- ***IB Coordinator approval***

5015 - IB Biology HL

1.00 Credit

This course requires the successful completion of IB Biology SL as a junior. Topics are unique to the IB HL Biology curriculum and demand review and retention of the major concepts covered during the previous year in biology. There is also an in-depth study of the major content areas including nucleic acids, cellular respiration, photosynthesis, plant biology, genetics, evolution, and human anatomy and physiology. Extensive lab work and lab writing skills will be a topic of focus, leading to an individualized research project. Students will take the IB HL Biology exam in May (examination fee required). Placement Considerations:

- ***Open to 12th grade students in the IB Diploma Program***
- ***Successful completion of IB SL Biology in 11th grade***
- ***IB Coordinator approval***

5020 - Chemistry/R

1.00 Credit

This course provides an overview of the basic chemical concepts, atomic theory, acids and bases, periodic table, gas laws, stoichiometry, chemical reactions, and solutions. Lab experience is included. Placement Considerations:

- ***Ryken Program Director approval***

5021 - Chemistry

1.00 Credit

This course provides students with instruction on the basic concepts of chemistry and chemical problem-solving techniques. Lab experience supplements the course, which emphasizes problem-solving techniques and the fundamental principles of chemistry. Topics include scientific measurement, atomic theory, stoichiometry, the mole, chemical bonding, the periodic table, gas laws, chemical reactions, acid and bases, and properties of solutions. Placement Considerations:

- ***Standard 10th grade course of study***

5022 - H. Pre-AP/IB Chemistry

1.00 Credit

The Honors Pre-AP/IB Chemistry course examines the fundamentals of chemistry. It is intended to further prepare students for an Honors, IB or AP program of study in the sciences. Major topics include experimental design, measurement and data-processing, atomic structure, periodicity, chemical bonding, chemical reactions and equations, quantitative chemistry, including stoichiometry and thermochemistry, energetics and states of matter, solutions, kinetics, equilibrium, acids and bases, and organic chemistry. A major component of this course includes the investigation of topics through inquiry-based labs with the expectation that lab reports are prepared in an AP/IB standardized format. Placement Considerations:

- **85% or better in H. Pre-AP Biology or 90% or better in Biology**
- **Successful completion of Algebra I**
- **Science department approval**

5023 - AP Chemistry

1.00 Credit

The AP Chemistry course is equivalent to a first year college general chemistry course. The students attain an in-depth of understanding of the fundamentals of chemistry and competence in dealing with chemical problems. This course emphasizes chemical calculations, mathematical formulation of principles, and laboratory work designed to enhance the quantitative relationships within the course. Students are expected to take the nationally administered AP exam in May (examination fee required). Placement Considerations:

- **85% or better in H. Pre-AP/IB Biology & H. Pre-AP/IB Chemistry**
- **90% or better in H. Pre-AP/IB Algebra II**
- **Science department approval**

5024 - IB Chemistry SL

1.00 Credit

The IB Standard Level (SL) Chemistry class is designed for students in the IB diploma program. IB diploma candidates taking this course for their SL science credit will take the IB SL Chemistry exam in May (exam fee required). IB diploma candidates can also take this as year 1 of IB HL Chemistry. This course will cover the IB SL curriculum covering topics including stoichiometry, atomic structure, periodic table trends, energetics, thermochemistry, chemical bonding, kinetics, and equilibrium. A major component of this course includes the investigation of topics through inquiry-based labs with the expectation that lab reports are written in an AP/IB standardized format. Extensive lab work will lead to the skills necessary to complete an individualized research project. Placement Considerations:

- **Open to 11th grade students in the IB Diploma Program**
- **Successful completion of H. Pre-AP/IB Biology and H. Pre-AP/IB Chemistry**
- **Science department approval**
- **IB Coordinator approval**

5025 - IB Chemistry HL

1.00 Credit

This course requires the successful completion of IB SL Chemistry. Topics are unique to the IB HL Chemistry curriculum and demand review and retention of the major concepts covered during the previous year in chemistry. Major topics include atomic structure, periodicity, bonding, energetics, kinetics, equilibrium, acids and bases, oxidation/reduction, kinetics, and organic chemistry. Extensive lab work will lead to the skills necessary to complete an individualized research project. Students are required to take the IB HL Chemistry exam in May (examination fee required). Placement Considerations:

- **Open to 12th grade students in the IB Diploma Program**
- **Successful completion of either AP Chemistry or H. Pre-AP/IB Chemistry**
- **IB Coordinator approval**

5030 - Physics/R

1.00 Credit

Students in physics will study the fundamental laws of nature underlying all branches of science. Topics covered include kinematics (motion), dynamics (force, momentum, energy), gravity, electricity, magnetism, wave motion, and sound /light. Although a conceptual, hands-on approach will be emphasized, students will be expected to apply and manipulate basic algebraic equations, master problem-solving skills, interpret graphs, draw and interpret simple vector diagrams, and learn experimental measurements and data collection procedures. Placement Considerations:

- ***Ryken Program Director approval required***

5031 - Physics

1.00 Credit

Students in physics will study the fundamental laws of nature underlying all branches of science. Topics covered include kinematics (motion), dynamics (force, momentum, energy), rotational mechanics, gravity, electricity, magnetism, wave motion, and sound/light. Although a conceptual, hands-on approach will be employed, students will be expected to apply and manipulate algebraic equations, master problem-solving skills, construct and interpret graphs, draw and interpret vector diagrams, utilize basic trigonometry in solving problems, and learn experimental measurement and data collection procedures, as well as basic experimental design techniques. Placement Considerations:

- ***Standard course of study***

5033 - AP Physics I

1.00 Credit

This algebra-based course is designed to cover the first semester of a typical introductory, algebra-based college physics course. Students who wish to study humanities or life sciences in college (ex. medicine, nursing, physical therapy, etc.) are encouraged to take this course. This course is designed to give the students a conceptual understanding of physics through the use of student-centered, inquiry-based instructional practices. No physics pre-requisite is required to take this course. Students are expected to sit for the AP Physics I exam in May (examination fee required). Placement Considerations:

- ***85% or better in H. Pre-AP/IB Chemistry***
- ***80% or better in H. Pre-AP/IB Algebra II***
- ***Science department approval***

5034 - IB Physics SL

1.00 Credit

This course is designed for IB diploma candidates but is also appropriate for students who wish to study engineering or physics in college. It covers many of the topics in a first year college physics program. Topics include mechanics, thermal physics, waves, electricity and magnetism, atomic and nuclear physics, and astrophysics. Extensive lab work will lead to the skills necessary to complete an individualized research project. IB diploma candidates are required to take the SL Physics exam in May (examination fee required). Placement Considerations:

- ***Open to 11th grade students in the IB Diploma Program; also appropriate for non-IB students who plan to pursue advanced engineering study***
- ***85% or better in H. Pre-AP/IB Chemistry***
- ***80% or better in Algebra II***
- ***IB Coordinator approval and/or Science department approval***

5035 - IB Physics HL

1.00 Credit

This second year IB class is designed for IB diploma candidates who have completed IB SL Physics. The material in this class covers the AHL (additional high level) topics in the IB Physics curriculum, and the five major units are thematic extensions of the topics from the SL class. Students will review topics from year one (SL) such as measurements, graphing, mechanics, waves, electricity, magnetism, gravitation, astrophysics, and energy production. The AHL topics then build upon waves, fields, electro-magnetism, atomic and nuclear physics, and astrophysics. Students will also spend time in class working on their big individual experiment, which is their IA (internal assessment) for IB Physics. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. Students are expected to sit for the IB HL Physics exam or, with special arrangements, for the AP Physics II exam in May (examination fee required). Placement Considerations:

- ***Open to 12th grade students in the IB Diploma Program***
- ***Successful completion of IB SL Physics or 90% or higher in AP Physics I***
- ***IB Coordinator and Science department approval***

5041 - Environmental Science

1.00 Credit

This multi-disciplinary laboratory based course is designed to help students objectively interpret the outside world. Students will learn about our interrelated planet, its patterns and cycles, and its different ecosystems. Environmental issues such as global warming, smog, acid rain, and ozone depletion will be discussed. The environmental problems will be presented from several perspectives. During the study of environmental concerns, students will learn to mediate problems, examine alternative resolutions, and propose preventative measures. Placement Considerations:

- ***Open to 11th and 12th grade students***
- ***Science department approval***

5043 - AP Environmental Science

1.00 Credit

Environmental science is an interdisciplinary subject which embraces a wide variety of topics from different areas of study. The goal of this laboratory-based AP Environmental Science course is to provide students with the scientific principles and concepts required to understand the interrelationships of the natural world, to identify and analyze environmental problems, and to examine solutions for resolving and/or preventing them. Major topics discussed will be ecology, populations, agriculture, energy sources, pollution and global warming. Indoor and outdoor labs will supplement the content learned. Students will take the AP exam in May (examination fee required). Placement Considerations:

- ***85% or better in H. Pre-AP/IB Biology & H. Pre-AP/IB Chemistry***
- ***Science department approval***

5052 - Honors Human Anatomy and Physiology

1.00 Credit

This laboratory based course is a Junior/Senior level class and will cover all traditional topics in a first-year Anatomy and Physiology program. Emphasis will be placed on the relationships between structure and function at each organizational level from the cell through the organ systems. All major organ systems will be studied. In addition, the study of the cause, diagnosis, and treatment of disease will compliment anatomical and physiological studies. Placement Considerations:

- ***85% or better in Biology***
- ***Science department approval***

5064 - IB Sports Exercise Science

1.00 Credit

This IB course explores the underpinnings of physical performance and provides the opportunity to apply these principals. The course incorporates the traditional disciplines of Anatomy and Physiology, Biomechanics, Psychology, and Nutrition, which are studied in the context of sport, exercise, and health. Students will carry out practical (experimental) investigations in both laboratory and field settings. This will provide an opportunity to acquire the knowledge and understanding necessary to apply scientific principals and critically analyze human performance. Where relevant, the course will address issues of international dimension and ethics by considering sport, exercise and health relative to the individual and in a global context. All students will take a cumulative final exam in May. IB Diploma candidates are expected to take the IB SL exam in May (examination fee required). Placement Considerations:

- ***Open to 11th and 12th grade students in the IB Diploma Program; also appropriate for non-IB students***
- ***80% or better in H.Pre-AP/IB Biology and H. Pre-AP/IB Chemistry or 90% or better in standard level Biology and Chemistry***
- ***IB Coordinator approval and/or Science department approval***

5110 - Intro to Engineering Design

1.00 Credit

This PLTW class is an elective course offered to 40 pre-selected incoming freshmen. In this course, students use 3D-modeling design software to help them design solutions to proposed problems. Students will learn how to document their work and communicate solutions to peers and members of the professional community. The major focus of the IED course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. Placement Considerations:

- ***Acceptance to the PLTW engineering program***

5120 - Principles of Engineering

1.00 Credit

This PLTW class is a second-year STEM class offered to students who have successfully completed the IED class. This engineering survey course exposes students to some of the major concepts encountered in a post-secondary engineering course of study. Students have an opportunity to investigate engineering and high-tech careers, and to develop skills and understanding of course concepts. Students solve engineering design problems by employing engineering and scientific concepts. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges. Students also learn how to document their work and communicate their solutions to peers and members of the professional community. Placement Considerations:

- ***Students who have been accepted into the PLTW engineering program and have successfully completed the IED course***

5130 - Aerospace Engineering

1.00 Credit

This PLTW class is a third-year STEM class offered only to students who have successfully completed the POE and IED classes. Aerospace Engineering is the study of the engineering discipline which develops new technologies for use in aviation, defense systems, and space exploration. The course explores the evolution of flight, flight fundamentals, navigation and control, aerospace materials, propulsion, space travel, orbital mechanics, ergonomics, remotely operated systems, and related careers. In addition, the course presents alternative applications for aerospace engineering concepts. Utilizing the activity-project-problem-based (APPB) teaching and learning pedagogy, students will analyze, design, and build aerospace systems. While implementing these designs, students will hone their interpersonal skills, creativity, and application of the design process. Students apply knowledge gained throughout the course in a final multi-media project encompassing their vision for future professional accomplishments. Placement Considerations:

- ***Successful completion of the IED and POE engineering courses***

5131 - Civil Engineering and Architecture

1.00 Credit

This PLTW class is a third-year STEM class offered only to students who have successfully completed the POE and IED classes. The major focus of this course is completing long-term projects that involve the development of property sites. As students learn about various aspects of civil engineering and architecture, they apply what they learn to the design and development of a property. The course provides teachers and students freedom to develop the property as a simulation or for students to model the experiences that civil engineers and architects face. Students work in teams, exploring hands-on activities and projects to learn the characteristics of civil engineering and architecture. In addition, students use 3D design software to help them design solutions to solve major course projects. Students learn about documenting their project, solving problems and communicating their solutions to their peers and members of the professional community of civil engineering and architecture. Placement Considerations:

- ***Successful completion of the IED and POE engineering courses***

5140 - Engineering Design and Development

1.00 Credit

The knowledge and skills students acquire throughout PLTW Engineering come together in EDD as they identify an issue and then research, design, and test a solution, ultimately presenting their solution to a panel of engineers. Students apply the professional skills they have developed to document a design process to standards, completing EDD ready to take on any post-secondary program or career. Placement Considerations:

- *Successful completion of the IED, POE, and AE or CE engineering courses*

Social Studies

6010 - World History/R

1.00 Credit

This survey course uses a thematic approach to the study of Global History from the beginning of agriculture through the Cold War. Students will cover information from Asia, Africa, Europe and the Americas using the following themes: economic systems; social structures; cultural characteristics; diplomatic interactions; environment and geography; and politics, power and government structures. Students will also be exposed to some of the historical thinking skills emphasized in the AP and IB classes including: compare and contrast; document interpretation; contextualization, and finally, cause and effect. In addition, support is given to students in the development of note-taking, outlining, and other organizational skills through the use of traditional and technological resources. The course attempts to accommodate the needs of each student and his/her learning style while building on individual strengths. Attention is given to the skills necessary for success in higher-level courses and in college. Placement Considerations:

- ***Ryken Program Director approval***

6011 - World History

1.00 Credit

This survey course uses a thematic approach to the study of Global History from the beginning of agriculture through the Cold War. Students will cover information from Asia, Africa, Europe and the Americas using the following themes: economic systems; social structures; cultural characteristics; diplomatic interactions; environment and geography; and politics, power and government structures. Students will also be exposed to some of the historical thinking skills emphasized in the AP and IB classes including: compare and contrast; document interpretation; contextualization; and finally, cause and effect. Placement Considerations:

- ***Standard 9th grade course of study***

6012 - H. Pre-AP/IB World History

1.00 Credit

This course is designed to cover World History from the Neolithic Revolution through the twentieth century (8000BCE-2001). The nature of the course requires a more global approach to history and asks students to look for patterns in and between time periods and geographic regions. Students will cover content from Asia, Africa, Europe and the Americas using a thematic approach. Themes include: creation, expansion and interaction of economic systems; development of social structures; development of ideas, beliefs and cultures; interaction between regions, countries and continents; environment and geography; and politics, power and government. Students will also be exposed to the historical thinking skills emphasized in AP and IB classes including: compare and contrast; document interpretation; contextualization; periodization; continuities and changes; and finally, cause and effect. Placement Considerations:

- ***Advanced 9th grade course of study***
- ***Studies Office/Department placement considering HSPT scores, middle school grades, and teacher recommendation***

6013 - AP World History

1.00 Credit

This college-level course presents a survey of the major patterns seen globally in the past as if one was looking at a satellite view of history. Because the course covers a vast expanse of time (8000 BCE to the Present), the material is organized around five themes:

1. Interaction between humans and the environment;
2. Development and interaction of cultures;
3. State building, expansion, and conflict;
4. Creation, expansion, and interaction of economic systems;
5. Development and transformation of social structures;

Students will also learn the steps a historian would take in analyzing historical events using evidence from all regions of the world. The nature of the course enables students to study the world as a cohesive community. The curriculum parallels that of an introductory college course. A significant portion of the course is devoted to preparation for the Advanced Placement exam, which students are expected to take in May (examination fee required). Placement Considerations:

- ***85% or better in H. Pre-AP/IB World History***
- ***85% or better in H. Pre-AP/IB U.S. History or AP U.S. History***
- ***Social Studies department approval***

6014 - IB 20th Century World History

1.00 Credit

This course deals with six twentieth-century world history topics. Topics include the causes and practices of war, rise and rule of single-party states, the Cold War, study of international organizations, nationalist and independence movements, and the state and its relationship with religion and minorities. There will be a detailed concentration on four topics: the causes, practices and effects of war; inter-war years and peacemakers; the Cold War from 1939-2000; and single-party states. A mandatory requirement of this course is a guided course-work paper. Students will take the History HL exam in May (examination fee required). Placement Considerations:

- ***85% or better in H. Pre-AP/IB World History***
- ***85% or better in H. Pre-AP/IB U.S. History or AP U.S. History***
- ***Social Studies department approval***

6020 - U.S. History/R

1.00 Credit

This course, covering United States history from pre-Columbian times to the present, provides a comprehensive understanding of the major events, individuals, and ideas that have shaped the American identity. Students will use a variety of primary and secondary source materials to develop a thorough understanding of the American past and its impact on the 21st century. Students will also examine the history of the United States through the following themes: economic systems; social structures, cultural characteristics, diplomatic interactions, environment and geography, and politics, power and government structures. Moreover, students will use their historical knowledge to analyze and think critically about the evolution of today's most pressing political and social issues. In addition, support is given to students in the development of note-taking, outlining, and other organizational skills through the use of traditional and technological resources. The course attempts to accommodate the needs of each student and his/her learning style while building on individual strengths. Attention is given to skills necessary for success in higher-level courses and in college. Placement Considerations:

- ***Ryken Program Director approval***

6021 - U.S. History

1.00 Credit

This course, covering United States history from pre-Columbian times to the present, provides a comprehensive understanding of the major events, individuals, and ideas that have shaped the American identity. Students will use a variety of primary and secondary source materials to develop a thorough understanding of the American past and its impact on the 21st century. Students will also examine the history of the United States through the following themes: economic systems; social structures; cultural characteristics; diplomatic interactions; environment and geography; and politics, power and government structures. Moreover, students will use their historical knowledge to analyze and think critically about the evolution of today's most pressing political and social issues. Students will be introduced to skills necessary for higher-level AP/IB. Attention is given to the refinement of note-taking and study skills necessary for success in higher-level courses at Good Counsel and in college. Placement Considerations:

- ***Standard 10th grade course of study***

6022 - H. Pre-AP/IB U.S. History

1.00 Credit

This course, covering United States history from pre-Columbian times to the present, provides a comprehensive understanding of the major events, individuals, and ideas that have shaped the American identity. Students will use a variety of primary and secondary source materials to develop a thorough understanding of the American past and its impact on the 21st century. Students will also examine the history of the United States through the following themes: economic systems; social structures; cultural characteristics; diplomatic interactions; environment and geography; and politics, power and government structures. Moreover, students will use their historical knowledge to analyze and think critically about the evolution of today's most pressing political and social issues. The Honors Pre-AP/IB level hones skills needed in the Advanced Placement and International Baccalaureate Programs. It emphasizes advanced higher level thinking skills, substantial depth of knowledge, and significant core reading. Placement Considerations:

- ***85% or better in H. Pre-AP World History***
- ***Social Studies department approval***

6023 - AP U.S. History

1.00 Credit

This college level course's primary goal is a comprehensive and critical understanding of the major events, individuals, and ideas that have shaped the American identity. The course's primary emphasis will be on the political, social, economic, diplomatic, geographic and cultural developments in the United States between the pre-Columbian era and the present. Skill based emphasis includes: primary and secondary source document/data analysis; interpretation and synthesis; chronological reasoning (including historical causation, patterns of continuity and change, and periodization); comparison and contextualization; advanced essay writing skills; and higher level historical investigation in historiography. A significant portion of the course will also be devoted to preparation for the Advanced Placement exam which students will be expected to take in May (examination fee required). Placement Considerations:

- ***90% or better in H. Pre-AP/IB World History***
- ***Social Studies department approval***

6027 - U.S. History Since 1945

0.50 Credit

This course examines American history since World War II. Special attention will be given to different perspectives of liberals and conservatives on major topics such as the Cold War, the Civil Rights Movement, the Vietnam War, the Watergate Scandal, the presidencies of the period, and the rising threat of terrorism. Students will prepare PowerPoint presentations and evaluate major films depicting events from the period as historical sources. Placement Considerations:

- ***Open to 10th, 11th, and 12th grade students***
- ***Successful completion of World History***
- ***Social Studies department approval***

6030 - U.S. Government & Politics/R

0.50 Credit

This course focuses on the basic elements of the U.S. national government and offers special support in the development of organizational skills through the use of traditional and technological resources. Special emphasis is given to the protection of the basic liberties of individuals; to the political process, especially elections, which determine who will hold power; to the major powers of the legislative, executive and judicial branches; and to the goals and methods of the civil rights movement. Students will be required to use the internet to analyze and interpret visual materials and to conduct research on current issues. Placement Considerations:

- ***Ryken Program Director approval***

6031 - U.S. Government & Politics

0.50 Credit

This standard course examines the basic ideas conveyed in the U.S. Constitution and how these principles have shaped the national government. Special emphasis is given to the protection of the basic liberties of individuals; the political process, especially elections, which determine who will hold power; the major powers of the legislative, executive and judicial branches; and the goals and methods of the civil rights movement. Students will be required to use the internet to analyze and interpret visual materials such as tables, charts, maps and editorial cartoons. Students will also engage in research projects on current issues. Placement Considerations:

- ***Open to 10th, 11th, and 12th grade students***
- ***Successful completion of World History***

6032 - H. Pre-AP/IB U.S. Government & Politics

0.50 Credit

This Honors course offers a survey of the U.S. national government and focuses on the skills and critical thinking required to succeed in AP and IB elective courses. The course begins with an analysis of how the principles of the U.S. Constitution shaped the legislative, executive and judicial branches while protecting the civil liberties of individual citizens. Besides examining the institutional uses of power, the course also explains the electoral process and the role of political parties in determining how leaders are chosen. A final topic involves the civil rights movement and the methods employed by various minority groups to achieve "equal treatment under the law." Specific skills include using the internet to analyze and interpret visual materials such as tables, charts, maps and editorial cartoons. Students will also engage in research projects on current issues. Placement Considerations:

- ***Open to 10th, 11th, and 12th grade students***
- ***85% or better in H. Pre-AP/IB World History***
- ***Social Studies department approval***

6033 - AP U.S. Government

0.50 Credit

This college-level course presents a critical perspective on American politics and the national government. Special emphasis is given to the institutions, beliefs, and significant groups that make up the political process. The course deals with how the political system has evolved and currently operates. The course also focuses on domestic and foreign policy issues. A significant portion of the course is devoted to preparation for the Advanced Placement exam, which students are expected to take in May (examination fee required). Placement Considerations:

- ***90% or better in H. Pre-AP/IB World History***
- ***Social Studies department approval***

6043 - AP European History

1.00 Credit

This is a comprehensive, in-depth, thematic study of European history from 1450 to 2000. It requires college-level analysis of major themes including the Renaissance; Revolutions (political, social, religious, ideological, economic); the causes and effects of war; peace treaties; imperialism and independent movements; change and continuity in European history; the growth of nation-states in Europe; and the recent movements towards European integration. Students are expected to take the AP exam in May (examination fee required). Placement Considerations:

- ***85% or better in H. Pre-AP/IB World History***
- ***85% or better in H. Pre-AP/IB U.S. History or AP U.S. History***
- ***Social Studies department approval***

6053 - AP Human Geography

1.00 Credit

The purpose of the AP Human Geography course is to introduce students to the systematic study of the patterns and processes that have shaped human understanding as well as the use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. This course will also focus on the methods and tools geographers use in their science and practice. Students are expected to take the AP exam in May (examination fee required). Placement Considerations:

- ***Studies Office/Department placement considering HSPT scores, middle school grades, and teacher recommendation***

6053J - AP Human Geography

1.00 Credit

The purpose of the AP Human Geography course is to introduce students to the systematic study of the patterns and processes that have shaped human understanding as well as the use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. This course will also focus on the methods and tools geographers use in their science and practice. Students are expected to take the AP exam in May (examination fee required). Placement Considerations:

- ***Open to 11th and 12th grade students***
- ***85% or better in H. Pre-AP/IB U.S. History or AP U.S. History or H. Pre-AP/IB World History***
- ***Social Studies department approval***

6111 - Modern Russia

0.50 Credit

This course examines the historical development of Russia from the 19th century to the present. Major topics include how physical geography has shaped Russia; an evaluation of the impact of Marx and Marxism; the role of Lenin and Stalin in building communism in Russia; the significance of World War II on Russia, and major events during the Cold War. Also examined are the attempts to reform communism in the Soviet Union, particularly under Khrushchev and Gorbachev; the collapse of the Soviet empire; and current political and economic trends in Russia. Projects are organized sequentially, focus on major issues in Russia, and include Power Point presentations that the peer group will evaluate. Placement Considerations:

- ***Open to 10th, 11th, and 12th grade students***

6151 - Introduction to Economics

0.50 Credit

This course provides basic literacy in the fundamentals of economics. The course will concentrate on such topics as free enterprise, supply and demand, market structures, business organizations, money and banking, measures and theories of economic performance, taxes and government spending as well as basic accounting methods. Projects and assignments are based on knowledge of basic economic principles as well as the application of these principles to current issues and problems in the aforementioned areas. Placement Considerations:

- ***Open to 10th, 11th, and 12th grade students***

6154 - IB Economics SL

1.00 Credit

This course strictly follows the IB course requirements for Standard-Level IB Economics. The syllabus is a blend of both micro and macro-economic principals as they apply to a single country or to a particular economic system. The focus of the course is on the world economy. International and generic economic problems and issues common to all nations are analyzed and discussed from global and international perspectives. Emphasis is placed on the study of economic principles and the application of these principles through a mandated internal assessment activity that involves constructing four portfolio assignments during the year. Placement Considerations:

- ***85% or better in H. Pre-AP/IB World History***
- ***85% or better in H. Pre-AP/IB U.S. History or AP U.S. History***
- ***Social Studies department approval***

6155 - IB Economics HL (Year 2)

1.00 Credit

This course strictly follows the IB course requirements for Higher-Level IB Economics. The syllabus is a blend of both micro and macro-economic principals as they apply to a single country or to a particular economic system. The focus of the course is on the world economy. Emphasis is placed on a study of economic principles and an application of these principles through a mandated internal assessment activity of constructing four portfolio assignments during the year. International and generic economic problems and issues common to all nations are analyzed and discussed from global international perspectives. Placement Considerations:

- ***Open to 12th grade students***
- ***Successful completion of IB Economics HL (Year 1)***
- ***Social Studies department approval***

6156 - AP Macroeconomics/ IB Economics HL (Year 1)

1.00 Credit

This college level course will prepare students to take the AP Macroeconomics examination in May, and also introduces the base topics for the International Baccalaureate examination for Economics HL (Higher Level) to be taken by IB Candidates the following year. Following an introduction to the basic elements of economics, students will study supply and demand and market failure. Students will then study macroeconomics, which includes the study of national economic performance, such gross domestic product (GDP), inflation, and unemployment. The course recognizes the global nature of economics, examining the impact of international trade and finance on national economies. Students are expected to take the AP exam in May (examination fee required). Placement Considerations:

- ***85% or better in H. Pre-AP/IB World History***
- ***85% or better in H. Pre-AP/IB U.S. History or AP U.S. History***
- ***Social Studies department approval***

6161 - Introduction to Psychology

0.50 Credit

This course will cover topics traditionally considered essential for a basic foundation in psychology. The course will examine the history of psychology as well as the research methods utilized in the social sciences. After an examination of these concepts, students will utilize this knowledge when exploring the biological bases of behavior, learning principles and strategies, psychological disorders and their treatments, development from infancy through old age, states of consciousness, social psychology, socialization, deviance and conformity, social change, and social inequalities. Additionally, the course will utilize new psychological research from current periodicals. These studies, along with the application of these concepts, will allow for the application of social-scientific principles to real-life situations, allowing for students to better understand individual and group behaviors in their own lives. Placement Considerations:

- ***Open to 10th, 11th, and 12th grade students***

6164 - IB Psychology SL

1.00 Credit

The IB-approach to teaching psychology includes the study of the history of psychology and its research methods, a study of the biological, cognitive, and learning perspectives in psychological theory, and a review of abnormal psychology. Students also participate in an experimental segment of study in which they demonstrate the acquisition of knowledge and skills required for experimental design, as well as data collection, analysis, and interpretation. Students will undertake a partial replication of, and report on, one simple experiment, presenting results systematically in a written lab report using descriptive statistics to support their research. Placement Considerations:

- ***85% or better in H. Pre-AP/IB U.S. History or AP U.S. History or H. Pre-AP/IB World History***
- ***Social Studies department approval***

6166 - AP/IB Psychology HL (Year 1)

1.00 Credit

This course will cover topics traditionally considered essential to a comprehensive understanding of basic psychology. Emphasis will include an examination of psychology's history, scope, perspectives and research methods, as well as an exploration of the biological bases of behavior, sensation and perception, states of consciousness, learning and cognition, motivation and emotion, developmental and social psychology, personality, testing and individual differences, as well as psychological disorders and their treatments/therapies. This course emphasizes psychology as a science as well as the application of these facts and principles to real life situations. This class will focus on methodology and experimental design while preparing students for the AP Psychology examination. It also serves as year one of IB Psychology (HL), and covers the year one experimental assessment requirements for students seeking the IB Diploma. Students are expected to take the AP exam in May and the IB HL exam the following year if seeking the IB Diploma. Placement Considerations:

- ***85% or higher in Honors Pre-AP/IB or AP U.S. History and/or department approval***
- ***Open to 11th and 12th grade students***

6171 - Introduction to Sociology

0.50 Credit

This course will cover topics traditionally considered essential for a basic foundation in sociology. The course will examine the history of sociology as well as the research methods utilized in the social sciences. After an examination of these concepts, students will utilize this knowledge when exploring the socialization of humans to their societies, the concepts of deviance and conformity, theories on collective behavior, forces that impact social change in society, as well as the issue of social inequalities. Additionally, the course will access new sociological research from current periodicals. These studies, along with the application of these concepts, will allow for the application of social scientific principles to real-life situations, allowing for students to better understand individual and group behaviors in their own lives. Placement Considerations:

- ***Open to 10th, 11th, and 12th grade students***

6183 - AP Comparative Government

1.00 Credit

This college-level course compares the constitutional organization and political structures of modern Great Britain, Russia, China, Iran, Nigeria and Mexico. Specific topics examine concepts that are used to interpret the key political relationships in these countries (including legitimacy, political socialization, and party organization). Students research significant policy issues that pertain to one of these countries and make PowerPoint presentations during the school year. Students are expected to take the AP exam in May (examination fee required). Placement Considerations:

- ***85% or better in H. Pre-AP/IB World History***
- ***85% or better in H. Pre-AP/IB U.S. History or AP U.S. History***
- ***Social Studies department approval***

6211 - Modern China

0.50 Credit

This course examines the historical development of China from the 19th century to the present. Major topics include how physical and cultural geography have shaped China; the birth of the Chinese republic; the significance of World War II on China; communism in China under Mao Zedong; the major reform of communism in China under Deng Xiaoping; and current economic, political and social issues related to China's emergence as a major world power. Projects are organized sequentially, focus on major issues in China, and include Power Point presentations that the peer group will evaluate. Placement Considerations:

- ***Open to 10th, 11th, and 12th grade students***

6311 - Latin American Studies

0.50 Credit

This course combines historical study of the five centuries of Latin American development with an exploration of today's important social, political, intellectual, cultural and economic trends. Special attention is devoted to relations between the U.S. and Latin America, the phenomena of Globalization and Neoliberalism, the impact of the IMF, World Bank, and WTO, and the migration of working people to the United States. Contemporary films and music are used extensively. Placement Considerations:

- ***Open to 10th, 11th, and 12th grade students***

6411 - African & African-American Studies

0.50 Credit

This course includes an examination of the history and cultures of Africa and the African Diaspora in Asia, Europe, the Caribbean, and North, South and Central America. This class will include units on the pre-Colonial civilizations, the slave trade, the institution of slavery, the nature of "African" and "Black Studies," the identity and culture in the Diaspora, European Imperialism, movement to independence, and modern Africa. Contemporary films and music are used extensively. Placement Considerations:

- ***Open to 10th, 11th, and 12th grade students***

6611 - Historiography

0.50 Credit

The major goals of this course are to explore the major schools of thought, controversies, conflicts and interpretations involved in the study of history as a discipline. Students will participate in group discussions, conduct primary source research, and interpret secondary sources (including readings, documentaries and films) while taking into consideration the climate of opinion, agendas, and point of view of various historians, documentarians and filmmakers. Students will also participate in a variety of independent projects using the historical research and interpretation skills they will be learning throughout the course. Although this course is affiliated with the Social Studies Scholars program, being a member of the program is NOT a requirement for entrance into the course. Placement Considerations:

- ***Completion of World and U.S. History and/or department approval***

Fine Arts

7011 - Graphic Art

0.50 Credit

Students will study graphic art in order to develop solutions to two-dimensional problems. Basic skills in drawing and painting will be developed as the principles of design are investigated. Making use of traditional materials, projects will focus on the use of shape and color as they relate to the industries of branding, advertising, and illustration. Note: This course does not fulfill the pre-requisites for upper level visual arts courses. Placement Considerations:

- ***Recommended for 9th and 10th grade students; open to all grades***

7021 - Art Fundamentals

1.00 Credit

Students investigate the basic elements of art and principles of design through a series of problem-solving processes. Students improve their technical skills while exploring a variety of media. Equal emphasis is given to both process and product. Basic components of each unit are: art history, studio production, art criticism, and aesthetics. Students are challenged to produce creative two and three-dimensional artworks which reflect critical thinking skills. Placement Considerations:

- ***Recommended for 9th and 10th grade students; open to all grades***

7032 - H. Pre-AP/IB Studio Art

1.00 Credit

Students will develop and expand their artistic skills of design and composition through a concentrated study of observational drawing, color theory in painting, hand-building in ceramics, sculpture, and printmaking. The students will work with a broad range of materials, including graphite, acrylics, clay, silk-screen, charcoal, and colored pencils. Through directed projects, the students will build a concrete understanding of different art media as they develop artworks for their portfolios. Placement Considerations:

- ***Successful completion of Art Fundamentals***
- ***Fine Arts department approval***

7042 - H. Pre-AP/IB Drawing

1.00 Credit

Students develop creative solutions for two-dimensional problems, which incorporate a variety of techniques and materials directly related to the comprehensive study of drawing. Students are challenged to develop their aesthetic awareness through careful observation, extensive experimentation and creative presentation in a series of problem-solving processes. Specific emphasis is given to personal and group assessment of portfolio work in order to promote critical thinking. Students integrate artistic production with critical analyses as they relate the material to cultural, historical, and social contexts. Placement Considerations:

- ***Successful completion of Art Fundamentals***
- ***Fine Arts department approval***

7052 - H. Pre-AP/IB Painting

1.00 Credit

Students develop creative solutions for two-dimensional problems that incorporate a variety of techniques and materials directly related to the comprehensive study of painting. Students are challenged to develop their aesthetic awareness through careful observation, extensive experimentation and creative presentation in a series of problem-solving processes. Specific emphasis is given to personal and group assessment of portfolio work in order to promote critical thinking. Students integrate artistic production with critical analysis as they relate materials to cultural, historical, and social contexts.

Placement Considerations:

- *Successful completion of Art Fundamentals*
- *Fine Arts department approval*

7062 - H. Pre-AP/IB Ceramics & Sculpture

1.00 Credit

Students develop solutions for three-dimensional problems that incorporate a variety of techniques and materials directly related to the comprehensive study of ceramics and sculpture. Students are challenged to develop their aesthetic awareness through careful observation, extensive experimentation and creative presentation in a series of problem-solving processes. They work with a broad range of materials in an effort to enhance skill development. Specific emphasis is given to personal and group assessment of portfolio work in order to promote critical thinking. Students integrate artistic production with critical analysis as they relate materials to cultural, historical, or social contexts. Placement Considerations:

- *Successful completion of Art Fundamentals*
- *Fine Arts department approval*

7073 - AP Studio Art I

1.00 Credit

AP Studio Art is intended for the serious visual art student who is looking to develop a strong personal portfolio that demonstrates a variety of technical skills and ideas. Students will creatively and systematically investigate formal and conceptual issues. Students enrolled in AP Studio Art are expected to submit their portfolios to the AP Program during their Senior year. Placement Considerations:

- *Open to 11th and 12th grade students*
- *Successful completion of Art Fundamentals*
- *Successful completion of at least one honors-level studio art course*

7074 - IB Studio Art SL/HL

1.00 Credit

As a complement to, and an extension of, the current studio courses, this course focuses on the development of the personal portfolio and/or research workbook. Emphasis is given to the elements of art and the principles of composition, as well as a wide range of personal research and experimentation relevant to the students' aesthetic interests and technical skills. A variety of media will be used. Consistent and creative problem-solving will be further enhanced by the development of critical thinking skills. The IB student who is studying art at the Standard Level may choose either of two options: Standard Level A requires a personal show of 12 to 25 artworks accompanied by the artist's statement of direction, which will be reviewed by an IB examiner; Standard Level B requires 2 to 3 research workbooks with a focus on matters of substance, which will be assessed by the classroom instructor and the IB examiners. IB students who wish to study art at the Higher Level must enroll in this course for two years and meet the requirements of both Standard Levels. Placement Considerations:

- *Successful completion of Art Fundamentals*
- *Fine Arts department approval*

7111 - How to Listen to Music

0.50 Credit

This course is designed to give students an understanding of the basic elements of music by combining interactive activities using iPad technology and an iBook on units addressing listening skills, musical styles, music criticism, film music, music videos, and cultural aspects of music. Placement Considerations:

- ***Recommended for 9th and 10th grade students; open to all grades***

7121 - Percussion

1.00 Credit

This class will include novice-level percussionists enrolled in the music program. This course will require each student to follow an individual plan to develop skills in each of the three primary areas of percussion study: snare drum, timpani, and keyboard instruments. In addition to percussion performances, students may be selected to perform in a band based on the level of achievement in the study of these instruments. Students may be required to attend rehearsals outside of school hours and will be required to fulfill the same performance expectations of the band to which they are assigned. Placement Considerations:

- ***Audition and/or Fine Arts department approval***

7122 - H. Pre-AP/IB Percussion

1.00 Credit

Students enrolled in this class serve as the percussion sections for the Wind Ensemble and Symphonic Band, as well as a performing Percussion Ensemble. All required performances for the Wind Ensemble are part of this class, as well as those of the Percussion Ensemble. Students will focus on continued development of skills in all areas of percussion performance at an advanced level. Students will be required to own a complete collection of sticks and mallets for use in class. Students who enroll in this course are required to participate in the annual band/chorus trip, which will typically incur a cost in the \$600.00-\$700.00 range. Opportunities exist for fundraising to defer costs. Placement Considerations:

- ***Audition and/or Fine Arts department approval***

7124 - IB Percussion

1.00 Credit

Students enrolled in Honors Pre-AP/IB Advanced Percussion can take this course for IB credit by completing assignments and participating in extra class sessions held outside of school hours. Students must complete the assignments required by the IB program for completion of the diploma. This class is open to IB diploma candidates and those interested in exploring topics in music beyond the content of the performance class. Placement Considerations:

- ***Enrollment in performance group required***

7131 - Pep Band

0.25 Credit

The Pep Band is an ensemble comprised of student-musicians that perform at varsity basketball games throughout the season. Membership in Pep Band is open to all musicians. The unique nature of this course requires that all rehearsals and performances be scheduled outside of school time, which includes rehearsals before basketball season begins and up to twelve games. Placement Considerations:

- ***Audition and/or department approval***

7141 - Marching Band

0.25 Credit

The Marching Band is an ensemble comprised of student-musicians who perform at varsity football games throughout the season. Membership in the Marching Band is open to all wind and percussion musicians. The unique nature of this course requires that all rehearsals and performances be scheduled outside of school time, which include rehearsals before the school year begins in August, after-school rehearsals during the football season, and all scheduled games. This class does not fulfill the Fine Arts requirement for graduation. Placement Considerations:

- ***Audition and/or department approval***

7151 - Symphonic Band

1.00 Credit

This course is for students who are continuing to develop their skills as musicians and performers. Challenging materials will require members to devote time to practice on a daily basis. Active participation in all rehearsals and concerts will be included as a significant part of the grade for the course. Students should have a minimum of two years of experience to participate in this group and/or the approval of the director. Placement Considerations:

- ***Audition and/or Fine Arts department approval***

7152 - H. Pre-AP/IB Symphonic Band

1.00 Credit

In addition to activities in the Symphonic Band, private instrumental instruction and/or a research project each quarter are required of students to receive the honors credit. Placement Considerations:

- ***Audition and/or Fine Arts department approval***

7162 - H. Pre-AP/IB Wind Ensemble

1.00 Credit

The Wind Ensemble is comprised of Our Lady of Good Counsel's most accomplished instrumental musicians. Consisting of wind and percussion instruments, the group is open to students only through audition and/or the approval of the Director. Participants are expected to devote themselves to excellence in performance and a high degree of commitment to practice and personal musical growth. In addition to preparing for performing concerts, students will explore a broad collection of music-related topics through quarterly projects that support the development of general musicianship. Active participation in all scheduled events, including the annual trip, is considered an essential part of the course content. Students who enroll in this course are required to participate in the annual band/chorus trip, which will typically incur a cost in the \$600.00-\$700.00 range. Opportunities exist for fundraising to defer the cost. Placement Considerations:

- ***Audition and/or Fine Arts department approval***

7164 - IB Wind Ensemble

1.00 Credit

Students enrolled in Wind Ensemble can take this course for IB credit by completing assignments and participating in extra class sessions held outside of school hours. Students must complete the assignments required by the IB program for completion of the diploma. This class is open to IB diploma candidates and those interested in exploring topics in music beyond the content of the performance class. Active participation in all scheduled events, including the annual trip, is considered an essential part of the course content. Students who enroll in this course are required to participate in the annual band/chorus trip, which will typically incur a cost in the \$600.00-\$700.00 range. Opportunities exist for fundraising to defer the cost. Placement Considerations:

- ***Enrollment in performance group required***
- ***IB Coordinator approval***

7172S1 - Honors Pre-AP/IB Jazz Ensemble

0.50 Credit

To be taken first semester. Sign up with course #7172S2 to complete a full year. Students will rehearse and perform traditional jazz ensemble arrangements to develop skills unique to the jazz idiom. Improvisation and interpretation skills are studied. Students will be required to actively participate in performances scheduled outside of the regular school time. Keyboard, guitar and bass players will be required to seek additional study with a teacher. Placement Considerations:

- ***Audition and/or Fine Arts department approval***

7172S2 - Honors Pre-AP/IB Jazz Ensemble

0.50 Credit

A continuation of Honors Pre-AP/IB Jazz Ensemble taken first semester. This course can also be taken without semester 1 of Jazz Ensemble. Students will rehearse and perform traditional jazz ensemble arrangements to develop skills unique to the jazz idiom. Improvisation and interpretation skills are studied. Students will be required to actively participate in performances scheduled outside of the regular school time. Keyboard, guitar and bass players will be required to seek additional study with a teacher. Placement Considerations:

- ***Audition and/or Fine Arts department approval***

7181 - String Ensemble

1.00 Credit

The String Ensemble consists of students with some previous experience playing an orchestral string instrument. Membership in this class is open by audition and/or the approval of the instructor. Active participation in rehearsals and performances outside of school-time will be required. Placement Considerations:

- ***Audition and/or Fine Arts department approval***

7221 - Men's Chorus

1.00 Credit

This course will be grounded in the development of secure vocal technique and building a fundamental level of music literacy. Students study and perform music from the men's choral repertoire. The unique challenges faced by the adolescent male singer will be addressed. Up to six rehearsals and/or performances may be scheduled each quarter outside of school time. Attendance is a component of the grade. Placement Considerations:

- ***Music teacher interview***

7231 - Women's Chorus

1.00 Credit

This course will be grounded in the development of secure vocal technique and building a fundamental level of music literacy. Students study and perform music from the women's choral repertoire. Up to six rehearsals and/or performances may be scheduled each quarter outside of school time. Attendance is a component of the grade. Placement Considerations:

- ***Music teacher interview***

7242 - Honors Pre-AP/IB Treble Choir

1.00 Credit

The Treble Choir is designed to provide the intermediate-level female singer the opportunity to expand her talents through ensemble performance. Emphasis is placed on the continued development of vocal fundamentals and individual technical skills in the areas of tone production, rhythm, melodic interpretation, balance, and blend through the study of a varied repertoire spanning different cultures and languages. Active participation in all scheduled concerts is considered an essential part of the course content. Placement Considerations:

- ***Audition and/or department approval***

7252 - H. Pre-AP/IB Choral Music

1.00 Credit

As the middle-level choir in the school, this choir will sing SATB and SAB literature. Members are required to participate in all rehearsals and performances. Repertoire will include a variety of musical styles from Classical music and Spirituals to Pop and Gospel. Students will be expected to dedicate themselves to the development of musicianship and performing skills. Active participation in all scheduled events is considered an essential part of the course content. Students who enroll in this course are required to participate in the annual band/chorus trip, which will typically incur a cost in the \$600.00-\$700.00 range. Opportunities exist for fundraising to defer the cost. Placement Considerations:

- ***Audition and/or Fine Arts department approval***

7254 - IB Choral Music

1.00 Credit

Students enrolled in any choral ensemble can take this course for IB credit by completing assignments and participating in extra class sessions held outside of school hours. Students must complete the assignments required by the IB program for completion of the diploma. This class is open to IB diploma candidates and those interested in exploring topics in music beyond the content of the performance class. Active participation in all scheduled events is considered an essential part of the course content. Students who enroll in this course are required to participate in the annual band/chorus trip, which will typically incur a cost in the \$600.00-\$700.00 range. Opportunities exist for fundraising to defer the cost. Placement Considerations:

- ***Enrollment in performance group required***

7262 - H. Pre-AP/IB Chamber Choir

1.00 Credit

As the premier choir in the school, this choir will perform advanced SATB literature. Chamber Choir participants are required to participate in more rehearsals and performances than students in other choirs. Repertoire will include a variety of musical styles from Classical Chamber music and Spirituals to Pop and Jazz. Students will be expected to dedicate themselves to the highest level of musicianship and performing skills. Membership will be open to a limited number of students based on the recommendation of the conductor. Juniors and Seniors who have previous experience in another ensemble will be encouraged to audition. Younger students may be allowed to audition at the director's discretion. Students who enroll in this course are required to participate in the annual band/chorus trip, which will typically incur a cost in the \$600.00-\$700.00 range. Opportunities exist for fundraising to defer the cost. Placement Considerations:

- ***Audition and/or Fine Arts department approval***

7301 - Acting for the Stage

0.50 Credit

This course will cover the history of theatre as well as elements of design (set, lights, costume, sound, etc.), acting, directing, play-analysis, playwriting, voice, and movement. The course will include the study of various theatrical genres. As a part of this course, students will be required to participate in and/or attend all school laboratory and main stage productions. Underclassmen receive scheduling priority. Placement Considerations:

- ***Recommended for 9th and 10th grade students; open to all grades***

7322 - H. Pre-AP/IB Studies in Theatre

1.00 Credit

This course will focus on the relationship between director, designers, and playwrights as students work together to create and realize an original production. Students will learn design thinking, collaboration, and development of advanced theatrical skills specific to their particular areas of interest. It is intended to provide practical, hands-on experience for the students interested in generating broad-based experience in theatrical production and preparation for further study at the college level. Placement Considerations:

- ***Open to 10th, 11th, and 12th grade students***
- ***Successful completion of Acting for the Stage and Designing for the Stage***
- ***Fine Arts department approval***

7332 - H. Pre-AP/IB Acting & Directing

1.00 Credit

This course is intended for students who want to focus on developing high-level acting skills that extend beyond those covered in Acting for the Stage. Students will explore a variety of acting roles through monologue and scene work. The curriculum will cover both classical and contemporary theatre work as students explore physical movement, voice technique, and character development. Throughout the course, students will develop an audition book and a personal acting method. Students will collaborate with their peers as they explore the actor/director relationship and learn to make thoughtful artistic decisions that support the dramatic content of the action. Placement Considerations:

- ***Open to 10th, 11th, and 12th grade students***
- ***Successful completion of H. Pre-AP/IB Studies in Theatre***
- ***Audition and/or Fine Arts department approval***

7334 - IB Theatre I

1.00 Credit

IB Theatre students experience the art of theatre by participating in all aspects of the theatrical experience in very personal ways. Students will research, read, and analyze plays from a variety of historical and cultural traditions, develop conceptual interpretations for production, envision and design technical elements, and direct actors and action for actual performances. Students will explore and practice the knowledge and skills needed to appreciate the full theatre experience. This class requires significant commitment to participation in school productions, extra-curricular workshops, and master classes. Placement Considerations:

- ***Open to 11th and 12th grade students***
- ***Successful completion of H. Pre-AP/IB Studies in Theatre***
- ***Audition and/or Fine Arts department approval***

7341 - Stage Craft

0.50 Credit

In this course, students experience first hand the technical aspects of theatre construction and creation. Topics covered include the construction of sets and scenery, sewing costumes, building and creating a prop, scenic painting, purpose of sound in theatre and how to properly use light on stage. Placement Considerations:

- ***Recommended to 9th and 10th grade students; open to all grades***

7342 - Honors Pre-AP/IB Stage Craft

0.50 Credit

In this honors level introductory theatre course, students experience first hand the technical aspects of theatre construction and creation. Topics covered include the construction of sets and scenery, scenic painting, building and creating a prop, basic stitching for costumes, working with theatrical lighting and concepts of sound design. In addition to class time, students at the honors level will be required to work 15 crew hours on a MainStage GCTC production in either the set construction, lighting, scenic painting, or costume crew. Placement Considerations:

- ***There is no prerequisite for this course. Pair with Acting for the Stage to fulfill the pre-requisite for upper level Theatre courses***

7344 - IB Theatre II

1.00 Credit

The IB Theatre course is a multifaceted theatre-making course of study. Students will make theatre as creators, designers, directors, and performers, and emphasizes the importance of working both individually and collaboratively as part of an ensemble. Through the processes of researching, creating, preparing, presenting and critically reflecting on theatre, students will experience the course from contrasting artistic perspectives focusing on masked theatre traditions of Greek Theatre & Commedia dell'Arte, physical theatre theory, and Classical Theatre like Shakespearean text. Placement Considerations:

- ***Open to 11th and 12th grade students***
- ***Successful completion of H. Pre-AP/IB Studies in Theatre***
- ***Audition and/or Fine Arts department approval***

7421 - Agility, Balance, and Strength

0.50 Credit

This course is intended for any student who wants to focus on enhancing and refining athletic performance through techniques and training in dance. No dance experience is required. Agility, flexibility, footwork, balance, and endurance are all specifically addressed in this beginner course. A student taking this course will improve upon his or her ability to perform on the athletic field. Students will be expected to wear loose fitting athletic wear and will not be required to perform in dance performances. Pair with another fine arts half-credit course to complete the Fine Arts requirement. Placement Considerations:

- ***Open to students in all grades and levels of experience***

7442 - Honors Pre-AP/IB Dance Technique

0.50 Credit

This course builds on what students have learned in Agility, Balance, and Strength through a deeper focus on tap and contemporary technique and performance skills. In the first part of the class, students will develop rhythm, style and sound. Students will learn a variety of tap styles from Broadway to Rhythm tap. Exercises will focus on building flexibility of the knee and ankles, coordination, and speed of movement. In the second part of the class, students will be introduced to the dynamic capabilities of the body as an articulate means of expression. They will be presented basic concepts and skills from contemporary dance forms that include Afro-modern, floor work, inversion, classical modern and improvisation. Classwork develops efficient alignment, strength, flexibility, coordination, rhythm, dynamics and spatial awareness. Placement Considerations:

- ***Successful completion of Agility, Balance, and Strength***
- ***Fine Arts department approval***

Physical Education

8011 - Fitness & Health

1.00 Credit

This is a fitness-oriented course that incorporates the five components of fitness into the lessons. Course workouts focus upon muscular strength and endurance, cardiovascular endurance and flexibility through the practice of jogging, free weights, and static and dynamic stretching. Health is also part of this course and will review the fundamentals of fitness, nutrition, drugs, and infectious diseases in a traditional classroom environment. Placement Considerations:

- ***Introductory course***
- ***P.E. uniform required***

8021 - Aerobic Fitness & Yoga

0.50 Credit

This course incorporates the physical elements of different aerobic classes: body sculpt, step aerobics, circuit training, basic dance, Yoga, Pilates, etc. Students will learn the basics of each type of workout and be able to implement them in class for a 35-45 minute workout routine. Emphasis will be placed upon relaxation and meditation techniques during the Yoga units. In addition, students will expand their knowledge of health topics that includes nutrition, benefits of cardiovascular exercise, various health risks/concerns, proper technique for all workouts, and how to design a workout that would best suit their personal goals. Placement Considerations:

- ***70% or better in Fitness and Health and PE department approval***
- ***P.E. uniform required***

8022 - Yoga

0.50 Credit

This course will teach specific practices of Yoga and their corresponding postures and sequences. Lessons will include the historical backgrounds of the different types of Yoga and their specific health benefits. Emphasis will be placed upon learning relaxation techniques, how to reduce stress, boost well-being, and finding balance, strength and focus in the body, mind, and spirit. Placement Considerations:

- ***70% or better in Aerobic Fitness and Yoga and P.E. department approval***
- ***P.E. uniform required***

8031 - Team Sports

0.50 Credit

This course focuses on basketball, volleyball, soccer, Ultimate Frisbee, floor hockey, STXball, and flag football. Students will be expected to learn rules, participate in skill drills, demonstrate advanced knowledge of the game, participate in game competitions, and play using strong teamwork skills and positive sportsmanship. Placement Considerations:

- ***70% or better in Fitness and Health and/or PE department approval***
- ***P.E. uniform required***

8041 - Strength & Conditioning I

0.50 Credit

This course is designed to improve athletic performance. It emphasizes proper warm-up and lifting/spotting techniques. A three-cycle program that focuses upon core lifts will be followed. Placement Considerations:

- ***70% or better in Fitness and Health and PE department approval***
- ***P.E. uniform required***

8042 - Strength & Conditioning II

0.50 Credit

This course is geared to student-athletes motivated to reach a high level of athletic performance. This class is designed to continue and advance the program initiated in Strength & Conditioning I. Placement Considerations:

- ***70% or better in Strength and Conditioning I and/or PE department approval***
- ***P.E. uniform required***

8043 - Strength & Conditioning III

0.50 Credit

This course is geared to junior and senior student-athletes motivated to reach a high level of athletic performance. This class is designed to continue and advance the program initiated in Strength & Conditioning II. Placement Considerations:

- ***70% or better in Strength and Conditioning II and/or PE department approval***
- ***P.E. uniform required***

8051 - Falcon Fit

0.50 Credit

This course involves intense, high-level workouts designed following the principles of CrossFit. Focus of this course will be on enhancing functional physical fitness through the utilization of methods to improve students' overall strength, muscular endurance, flexibility, cardiovascular endurance, body composition, and weight training techniques. Placement Considerations:

- ***70% or better in Strength and Conditioning I and/or PE department approval***
- ***P.E. uniform required***

8061 - Karate and Self Defense

0.50 Credit

This course introduces students to elements of Tae Kwon Do and the basics of Self Defense. Objectives include the development of balance, agility, rhythm, strength, endurance, coordination, and self-confidence. Classes will include safety and defensive fighting as well as discussions regarding how to build confidence and how to assess your environment for danger. Fighting techniques include reactionary strategies one takes when found in a dangerous situation. This program includes promotion to belts. Placement Considerations:

- ***70% or better in Fitness and Health and PE department approval***
- ***Karate uniform required***

8062 - Advanced Karate

0.50 Credit

This course employs the advanced kicking techniques of New Kata. Students continue with combination movements as well as techniques used for self-defense. Pre-free arranged sparring is introduced, preparing the student for Olympic-style karate. Discipline is emphasized at a higher level. Placement Considerations:

- ***70% or better in Karate and Self-Defense and department approval***
- ***Gold belt level or better***
- ***Karate Uniform required***

8071 - Athletic Training

0.50 Credit

This course is designed as an introduction to Sports Medicine and other related health careers. Class emphasis is placed upon the basic principals of injury recognition, prevention and rehabilitation. Curriculum includes basic human anatomy, physiology and numerous other specifics related to the Athletic Training career. Placement Considerations:

- ***70% or better in Fitness and Health or PE department approval***

Computer Studies

9011 - Computer Concepts & Applications

1.00 Credit

This course explores today's ever-changing world of technology. Students learn about the latest machines, devices, applications and websites, as well as the companies and geniuses that created them. Students build on their technology skills through instruction of advanced features of Microsoft Office products and other internet-based emerging technologies and applications. Students also develop research techniques and skills so that they can take advantage of the 21st-century information flowing all around them. The course also introduces additional software programs (Photoshop, Dreamweaver, etc.) and technologies (digital cameras, video, etc.) to create interactive projects. Throughout the course, students will evaluate the impact of technology on society and identify the social and ethical issues that are required for responsible digital citizenship. Placement Considerations:

- *Open to all grades*

9012 - H. Pre-AP/IB Computer Concepts

1.00 Credit

This class is based on the IB ITGS curriculum. It allows students the opportunity to consider and evaluate the social and ethical implications of information technologies. Students will need good writing and communication skills. This course does not require previous knowledge of computers, but the following are suggested: basic knowledge of computer hardware and software; basic computer terminology and file management in the Windows environment; and basic skills in Word, Excel, and Power-Point. The course will involve the study and use of technology in today's society, e.g. hardware and software, the Internet, social media, mobile computing, databases, graphics, and communications. In addition, the course will focus on examining the social and ethical considerations of the use of the tools above in the field of Information Technology. This course will require students to think critically about technology, its future, and its ramifications on our culture. Students will have to formally discuss and write on issues in the world of technology. Placement Considerations:

- *Computer Studies department approval*

9051 - Video Design & Production

1.00 Credit

This course is a year-long, project-based course that develops career and communication skills in digital video production using Adobe tools. The course will focus on developing the following skills: video production, video editing, design, research, and communication. Students learn storytelling, capturing and editing video and audio, and finalizing content for DVD, web, or digital videotape. Students are required to supply their own external storage device. Placement Considerations:

- *Open to all grades*
- *Computer Studies department approval*

9061 - Adobe Creative Cloud

1.00 Credit

This course will introduce students to the Adobe suite of products. Students will work with a variety of products including Photoshop, Dreamweaver, Illustrator, In Design and more. The purpose of this class is to show students the potential of working with different creative software applications and have some fun exploring their own creativity and imagination. Photoshop is a software program used to create and manipulate images and digital photographs. Dreamweaver is a software program that is used to create and build websites. InDesign allows creating layouts for print. Illustrator is a vector graphics editor for advanced design. This course will allow students the flexibility to customize their learning experience by product and develop specific skills that interest them. Placement Considerations:

- *Open to all grades*
- *Basic computer skills (Windows, Word, Powerpoint, etc.) required*

9112 - H. Pre-AP/IB Introduction to Programming

1.00 Credit

This course is for students who have little or no programming experience, but may have an interest in Computer Science or curiosity about how software programs are developed. Students use C+ programming language to explore basic programming concepts such as algorithms, variables, constants, decision structures, looping structures, functions, arrays, and graphics. Placement Considerations:

- ***Open to all grades***
- ***Basic computer skills (Windows, Word, Powerpoint, etc.) required***
- ***Successful completion of Algebra I***

9113 - AP Computer Science A

1.00 Credit

This course introduces students to the concept of using computers to create applications and solve problems using the Java Programming language. Students will review the basic skills of Java such as variables, constants, decision-making structures, iterations, arrays, and the different searching algorithms using the objective-oriented programming approach. At the end of the course, the students develop simple games and software applications. This course is aimed at students interested in careers in Software Engineering, Information Systems, and other Engineering disciplines. Students are expected to take the AP exam in May (examination fee required). Placement Considerations:

- ***Open to 10th, 11th, and 12th grade students***
- ***Computer Studies department approval***

9114 - IB Information Technology in a Global Society

1.00 Credit

This class is designed to allow students the opportunity to consider and evaluate the social and ethical implications of information technologies. Students will need good writing and communication skills. This course does not require previous knowledge of computers, but the following are suggested: basic knowledge of computer hardware and software; basic computer terminology and file manipulation in the Windows environment; and intermediate skills in Word, Excel, and Power-Point. The course will involve the study and use of technology in today's society, e.g. hardware and software, the Internet, social media, mobile computing, databases, graphics, and communications. In addition, the course will focus on examining the social and ethical considerations of the use of the tools above in the field of Information Technology. This course will require students to think critically about technology, its future, and its ramifications on our culture. Students will have to formally discuss and write on issues in the world of technology. Placement Considerations:

- ***Computer Studies department approval***

9211 - Yearbook

1.00 Credit

The objective of this class is to publish a one-hundred eighty-four page yearbook and a twenty-four page supplement using online technology. The course utilizes numerous programs including Word, Adobe Indesign, Online Creation, Yeartech, and indexing software. Students will learn copy writing, caption writing, digital imaging and photography. Placement Considerations:

- ***Open to all grades***
- ***Computer Studies department approval***

9212 - Honors Yearbook II

1.00 Credit

The Honors Yearbook class will be composed of experienced student-editors who have successfully completed the Yearbook I course. Students will build on the reporting, photography, graphic design, and writing skills learned in Yearbook I. Students are responsible for drafting the theme and templates for our upcoming publication. They will assign and manage staff pages. They will manage the selling of senior ads. Editors are also expected to attend at least one yearbook workshop or conference provided by our yearbook publishing company. Placement Considerations:

- ***Successful completion of Yearbook***
- ***Computer Studies department approval***

General Electives

10014 - IB Theory of Knowledge I

1.00 Credit

This two-year course considers knowledge from a multi-disciplinary perspective. The objectives of Theory of Knowledge (TOK) reflect the interdisciplinary nature of the IB Program by examining mathematics, language, logic, and methodologies of disciplines from the sciences and the humanities. Conducted as an extended conversation, TOK engages students to explore their own perceptions, reasoning skills, language skills, and intuition. After examining a series of coordinating questions and readings, students must think, write, present, and discuss Ways of Knowing and Areas of Knowledge from both an academic and a personal perspective. During year one, students are introduced to the Ways of Knowing (perception, language, reason, and emotion), and build their inquiry base by investigating the roles of language and thought in knowledge, and the requirements of logical rigor for knowledge. Significant time will be dedicated to guiding students through the externally-assessed Extended Essay (EE) on a research topic and Creativity-Action-Service (CAS), both central Diploma Program requirements. Placement Considerations:

- *Required of all juniors seeking the IB Diploma*

10024 - IB Theory of Knowledge II

1.00 Credit

Year two examines the origin of, and relationships between, Areas of Knowledge (mathematics, natural and human sciences, and history), and subsequently explores value judgments and knowledge, focusing on moral, political, and aesthetic judgments. The final topic investigates the differences among belief, certainty, opinion, faith, knowledge, culture, truth and evidence, and how they connect or link to the Ways of Knowing and the Areas (or disciplines) of Knowledge. The three major deliverables required for year two are: completion of the Extended Essay initiated in year one (an externally assessed 1200-1600 word essay on an IBO-prescribed title that demonstrates the student's TOK thinking skills by analyzing and linking cultural products of the Ways of Knowing), and a 10-minute individual (or 30 minute group) internally assessed in-class presentation that addresses a real-life situation or contemporary problem with a view to demonstrating the student's understanding of knowledge at work in the world. Students will also be afforded specified time to finalize their Extended Essays and document CAS hours initiated in year one. During both years students will also be guided through IB course selection, examination registration, internal assessments, and, when feasible, will be provided time to work together on assignments from other IB courses. Placement Considerations:

- *Required of all seniors seeking the IB Diploma*

14111 - Accounting

1.00 Credit

This course is designed to help students understand the basic principles of accounting. Emphasis is placed on analysis of and the recording of business transactions, journal entries, general ledger, worksheets, preparing and interpreting financial statements, accounting systems, banking and payroll activities, basic types of business ownership, and an accounting career-orientation. Special emphasis will be given to the ethics and responsibilities of Accountants. The course will also cover concepts in the area of personal finance. Placement Considerations:

- *Open to 12th grade students*

16111 - America at the Crossroads I: Blues to 1970

0.50 Credit

Rock and Roll is an American invention that evolved from the music created in many different areas of our country, spread around the world, and continues to impact generation after generation of listeners. This course is an examination of the origins, evolution, nature, and impact of popular music (essentially Rock and Roll) on the social, political, intellectual, and cultural history of, primarily, but not exclusively, the United States. We will explore the often overlooked interrelations of music and history since the Great Depression. Some of the musicians studied will include Robert Johnson, Elvis Presley, The Beatles, The Rolling Stones, James Brown, Mo-Town, Bruce Springsteen, Chuck Berry, U-2, The Velvet Underground, Prince, Eric Clapton, Led Zeppelin, Van Morrison, The Doors, The Beach Boys, The Clovers, and many others. Hip-Hop, Bluegrass, Latin, Doo Wop, Reggae, Blues, Country, Folk, and Protest Music, among other genres, will help students discover vibrant and important connections between Rock and History. Placement Considerations:

- *Open to 11th and 12th grade students*

16121 - America at the Crossroads II: 1970 to Present

0.50 Credit

Rock and Roll is an American invention that evolved from the music created in many different areas of our country, spread around the world, and continues to impact generation after generation of listeners. This course is an examination of the origins, evolution, nature, and impact of popular music (essentially Rock and Roll) on the social, political, intellectual, and cultural history of, primarily, but not exclusively, the United States. We will explore the often overlooked interrelations of music and history since the Great Depression. Some of the musicians studied will include Robert Johnson, Elvis Presley, The Beatles, The Rolling Stones, James Brown, Mo-Town, Bruce Springsteen, Chuck Berry, U-2, The Velvet Underground, Prince, Eric Clapton, Led Zeppelin, Van Morrison, The Doors, The Beach Boys, The Clovers, and many others. Hip-Hop, Bluegrass, Latin, Doo Wop, Reggae, Blues, Country, Folk, and Protest Music, among other genres, will help students discover vibrant and important connections between Rock and History. Placement Considerations:

- *Open to 11th and 12th grade students*