

Course Bulletin 2020-2021



Mission Statement

At Our Lady of Good Counsel, a Catholic high school sponsored by the Xaverian Brothers, we inspire our students to excel, serve, and love.

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.

Notice of Non-Discrimination:

*Based on receipt of federal financial assistance through a Paycheck Protection Program loan administered through the U.S. Small Business Administration (SBA) under the CAREs Act, the School acknowledges its obligation to prohibit discrimination, harassment, or retaliation on the basis of race, color, religion, age, national origin, sex, citizenship status, genetic information, handicap or disability in admissions, access, employment, tuition assistance, educational policies, or other school administered student and employee programs and activities. Questions regarding the School's compliance with the application and administration of the School's nondiscrimination policies should be directed to **Evelyn Nicholas**, HR Manager (Title IX), enicholas@olgchs.org, 240 283-3308, 17301 Old Vic Blvd, Olney, MD 20832; **Shena Thompson-Jones**, Director of Counseling (Section 504), Sthompson-jones@olgchs.org, 240 283-3239, 17301 Old Vic Blvd, Olney, MD 20832; or **Loren Bass**, Ryken Program Director (Section 504), lbass@olgchs.org, 240 283-3215, 17301 Old Vic Blvd, Olney, MD 20832, or to the U.S. Department of Education's Office for Civil Rights (OCR) or to the SBA. Please refer to the School's SBA Non-Discrimination Compliance Policy on the School's website for information on how to file complaints with OCR or the SBA. This notice will remain in effect until the School has satisfied and paid off the SBA Paycheck Protection Loan.*

**Our Lady of Good Counsel High School
General Graduation Requirements 2020-2021**

Department	Credits Required	Notes/Exceptions
Religion	4	*select rising seniors may take summer service learning to exempt religion (invitation only)
English	4	
World Language	3 (of same language)	*Ryken students may take LCC followed by 2 years of Ryken Spanish
Math	4	
Science	3	*Must take Biology, Chemistry, and Physics *STEM students can opt for only 2 years of science beyond STEM *IB Students are exempt from Physics
Social Studies	3	*Must take World History, US History and 0.5 Credit US Gov *US Gov not required for IB students.
Fine Art	1	
PE	1.5	*Class of 2022 and beyond only require 1.0 credits if they participate in a full season sport during 10 th or 11 th grade. *Must have 0.5 credit of health. GC Fitness and Health covers the health credit.
Computer Studies	1	

*Students must take a minimum of 7 credits per year and a minimum of 28 credits for graduation. Seniors enrolled in 3 or more AP/IB level classes can enroll in 6 credits if they will still meet the 28 credit graduation requirement.

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:

- *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:

- *Religion department 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. Students must sit for the IB exam or complete a course based final exam. Placement Considerations:

- ***Successful completion of IB World Religions I***
- ***Religion department 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*

2010 - English 9/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 - English 9

1.00 Credit

The English 9 course at all levels is designed to introduce students to foundational principles of written and oral communication, the conceptual framework used to study literature at Good Counsel, and the types of assessments used to evaluate that study. Students will work towards mastery of sentence and paragraph structure as they develop the necessary skills to analyze language as both a utility and an art form. The works of literature studied encourage students to consider the methods by which authors reveal truths about the human experience. Each unit emphasizes the development of writing skills. Grammar and vocabulary study include preparation for the PSAT. Placement Considerations:

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

2012 - H. Pre-AP/IB English 9

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 - Freshman English Seminar

0.50 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 - English 10/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 - English 10

1.00 Credit

The English 10 course expands on and develops the basic principles established in English 9. Students will develop compositions with higher levels of complexity in language, structure, and analysis. The works of literature studied offer students the opportunity to study how authors construct patterns and make connections to the world. Vocabulary and grammar study include preparation for the PSAT. Placement Considerations:

- *Standard 10th grade course of study*

2022 - H. Pre-AP/IB English 10

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:

- *English department approval*

2030 - English 11/R

1.00 Credit

In this course, students will engage with the fundamental question of what makes a literary work relevant on both personal and societal levels. Engagement with this question depends particularly on exploring the points of connection between individuals and their societies. In order to explore these concepts fully, students will examine various genres of literature, such as short fiction, poetry, the novel, drama, and non-fiction, concentrating on careful analysis of forms, styles, and thematic ideas. In addition to providing alternate methodologies and assignments, Ryken English 11 classes are particularly geared towards preparing students to transition into College Prep English 12. Vocabulary development includes preparation for the PSAT/SAT. Placement Considerations:

- *Ryken Program Director approval*

2031 - English 11

1.00 Credit

In this course, students will engage with the fundamental question of what makes a literary work relevant on both personal and societal levels. Engagement with this question depends particularly on exploring the points of connection between individuals and their societies. In order to explore these concepts fully, students will examine various genres of literature, such as short fiction, poetry, the novel, drama, and non-fiction, concentrating on careful analysis of forms, styles, and thematic ideas. Vocabulary development includes preparation for the PSAT/SAT. 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:

- *English department 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. n, and precise writing. Diploma Candidates in the IB Program will complete all required assessments. Students must sit for the IB Exam or the AP Literature exam or take a course based final exam. Placement Considerations:

- *English department approval*

2041 - English 12

1.00 Credit

Students will continue to strengthen their critical thinking and analytical skills by examining different constructs of freedom in literature. Students will read a variety of literary genres, reflecting a diverse range of cultural and historical perspectives. Additionally, students will continue to develop and hone their communication skills through verbal and written expression. 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. 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:

- ***English department 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. Students must sit for the IB Exam or the AP Literature exam or take a course based final exam. A senior research paper is required of all students. Placement Considerations:

- ***Open to 12th grade students***
- ***English department 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 requirement for non-Ryken Program Students***

3017 - American Sign Language

1.00 Credit

In this course, students will learn fundamentals of American Sign Language (ASL) used by the Deaf community and includes basic vocabulary associated with various themes, fingerspelling, and numbers. They will learn the basics of simple ASL grammar and syntax, including the non-manual markers that are used in ASL grammar. A focus will be on building a large sign vocabulary for the purpose of communication with Deaf people. Comprehensive and effective instruction will take students who have never signed before to a point where they can function basically in a variety of situations in the Deaf community using ASL. Throughout the course, students will learn aspects of Deaf culture, including assistive devices for the Deaf, identifying and using culturally appropriate behaviors, and a study of a brief history of ASL and Gallaudet University. This course also includes a study of hearing and sound, and deafness. Other topics include Education of the Deaf, Deaf Art, the history of deafness in our society, and well known Deaf people. 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:

- ***World Language department approval***

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***

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:

- ***World Language department 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***

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. Students must sit for the IB Exam or take a course based final exam. Placement Considerations:

- ***World Language Department 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***
- ***Eliminated after 2019-2020 academic year***

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. Students must sit for the IB Exam or take a course based final exam. Placement Considerations:

- ***World Language Department approval***

3153 - AP Spanish V

1.00 Credit

These sections lead to Advanced Placement exam. In conjunction with exercises in advanced structures, vocabulary, speaking and writing, students read literature, newspaper articles, Latin American short stories, and poetry. In May, students must take the AP exam (examination fee required) or take a course based final exam. Placement Considerations:

- ***World Language department approval***

3196 - IB Advanced Spanish Seminar

1.00 Credit

These sections lead to 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. Students must sit for the IB Exam or take a course based final exam. Placement Considerations:

- ***World Language department approval***

3211 - French I

1.00 Credit

In this course student will be introduced to the sounds, structures, basic vocabularies, gestures, and cultural notions involved in communicating in the French language. This course connects those concepts to France and her rich regions. No prior knowledge of French is presumed. 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

In 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 their 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:

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

3221 - French II

1.00 Credit

This course will build upon the skills that you learned in French I and continue to develop these skills through reading, writing, listening, and speaking activities. You will learn new grammar concepts and vocabulary words and learn about the culture of French-speaking countries. Vocabulary and structure goals are similar to Honors French II, with modified evaluations and reading priorities. Evaluation centers on oral interviews, quizzes, daily participation, homework, projects, and written tests. Placement Considerations:

- ***Successful completion of French I***

3222 - H. Pre-AP/IB French II

1.00 Credit

This course will build upon the skills that you learned in French I Honors and continue to develop these skills through reading, writing, listening, and speaking activities. You will learn new grammar concepts and vocabulary words and learn about the culture of French-speaking countries. Evaluation centers on oral interviews, quizzes, daily participation, homework projects, and written tests. Placement Considerations:

- ***World Language department approval***

3231 - French III

1.00 Credit

In this class, you will do reading, writing, listening, and speaking activities with the goal of becoming creative self-expression. We will learn some advanced grammar structures, and build on the vocabulary that you learned in French I and II.

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, quizzes, written tests, projects, vocabulary, structure, homework completion, and reading/listening skills. Placement Considerations:

- ***Successful completion of French II***

3234 - IB French III

1.00 Credit

This accelerated course is conducted almost exclusively in French. Emphasis is on oral evaluation, written tests/ composition, and reading. This course fulfills the year-two requirement for IB French Ab Initio SL and the year-one requirement for IB French B SL. Students must sit for the IB Exam or take a course based final exam. Placement Considerations:

- ***World Language Department Approval***

3244 - IB French IV

1.00 Credit

This course is for IB candidates, and is taught entirely in French. Students will analyze and discuss topics about France and Francophone countries through newspaper articles and literary selections, and view French movies related to the different IB themes covered in class. Students are expected to only speak in French during class time. Students will practice cultural presentations, debate, speeches, and other public speaking skills. Evaluation will include oral presentations, written compositions, projects, and grammatical exercises. Students must sit for the IB Exam or take a course based final exam. Placement Considerations:

- ***World Language department approval***

3296 - IB Advanced French Seminar

1.00 Credit

These sections lead to IB-approved options. They focus on specific themes such as identity, families, technology and world issues. Studies include literary passages of every genre from France and francophone countries, 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 students read novels, plays, and poetry suggested by the Advanced Placement Literature curriculum. In May, students must take the IB external exam (examination fee required) or the AP Exam or take a course based final exam. Placement Considerations:

- ***World Language department approval***

3311 - Latin I

1.00 Credit

Students will develop a working Latin vocabulary. They will learn the forms and functions of the Latin cases for nouns of all five declensions. They will understand how adjectives agree with the nouns they modify. They will learn the forms and uses of personal and demonstrative pronouns. They will recognize, form, and translate regular verbs of all four conjugations in all six tenses of the indicative mood, active voice; so too, several irregular verbs. They will recognize, form, and translate verbs in the imperative mood as well. Finally, students will read and translate simple passages of Latin prose and develop some sense of Roman history and culture. Placement Considerations:

- ***Introductory course***

3321 - Latin II

1.00 Credit

Students will continue to develop a working Latin vocabulary. They will understand the comparison of adjectives and adverbs. They will learn the forms and uses of relative, interrogative, and indefinite pronouns and adjectives. They will understand the concepts of verbal mood and voice and will recognize, form, and translate verbs of all four conjugations, including deponents, in all six tenses of the indicative and subjunctive mood, active and passive voice. They will also recognize, form, and translate the irregular verbs in the indicative and subjunctive mood. Students will learn to recognize and translate the more common uses of the subjunctive mood. They will understand the forms and functions of participles, including their use in the ablative absolute. They will identify and translate indirect statement. We will read stories, in Latin, about mythological characters such as Hercules, Jason and the Argonauts, and Ulysses. Finally, students will continue to develop their understanding of Roman history and culture. Placement Considerations:

- ***Successful completion of Latin I***

3322 - Honors Latin II

1.00 Credit

In addition to the objectives of the standard Latin 2 course, students will understand and translate more uses of the subjunctive in subordinate clauses. They will also encounter and understand an expanded array of constructions of the cases. In addition to mythological stories, we will also read selections, in Latin, from Eutropius's *History* or Cornelius Nepos's *Biographies*. Students should take this course if they are interested in studying Latin in the IB program or taking AP Latin in their junior or senior year. Placement Considerations:

- ***World Language department approval***

3331 - Latin III

1.00 Credit

Students will develop and expand their working Latin vocabulary. They will complete their study of grammar and syntax, including examination of most uses of the subjunctive in subordinate clauses and understanding of periphrastic constructions. Mostly, students will exercise and improve their reading and translation skills. We will read selections, in Latin, from Eutropius's *History* and Cornelius Nepos's *Biographies*. We will also read, in Latin, short selections from the poetry of Catullus and Ovid. Finally, students will expand their understanding of Roman history and culture. Placement Considerations:

- ***Successful completion of Latin II***

3336 - AP/IB SL Latin III

1.00 Credit

These courses prepare students for the AP exam in Latin and the IB external assessments in Latin SL, to be taken at the end of the AP/IB SL Latin 4 courses. Guided by the AP and IB curricula, we will read and analyze extensive selections, in Latin, from authors such as Julius Caesar, Sallust, Cicero, Vergil, Propertius, Tibullus, Ovid, Livy, Pliny the Younger, Juvenal, and Martial. Students taking the IB course will research a topic of their choice in Roman history, literature, or culture and complete the internal assessment in Latin SL by the end of the year. Students in both the AP and IB courses will further develop their understanding of Roman history and culture. Students must sit for the IB Exam or take a course based final exam. Placement Considerations:

- ***World Language department approval***

3346 - AP/IB SL Latin IV

1.00 Credit

These courses complete the AP/IB SL sequence in Latin. Students taking the AP course will take the AP exam in Latin at the end of the year; students taking the IB course will take the external assessments in Latin SL at the end of the year. We will continue to read and analyze extensive selections, in Latin, from authors on the AP and IB reading lists. Students in both courses will read and analyze significant passages from Vergil's *Aeneid*. Portions of the *Aeneid* that we don't read in Latin we will read in English. We will explore what this epic tells us about Romans' understanding of their role as inheritors of the Greek tradition and civilizers of the uncivilized at the beginning of the long *pax Romana*. Students must sit for the IB Exam or take a course based final exam. Placement Considerations:

- ***World Language department approval***

I3011 - ELL I

1.00 Credit

ELL I is a language acquisition course, focusing on the development of English language skills: reading, writing, speaking, and listening with a primary focus on speaking and academic writing. Students will practice cultural presentations, debate, speeches, and other public speaking skills. This class is also a writing workshop, focusing on research and the writing process. Students will learn how to utilize the library, online databases, and other resources to help develop academic writing skills across various disciplines. Students will use some of this class time to get feedback on writing assignments for other subjects. Placement Considerations:

- ***Open to International Students only with teacher approval***
- ***Language placement exam required***

I3021 - ELL II

1.00 Credit

ELL II is a language acquisition course, focusing on the development of English language skills: reading, writing, speaking, and listening with a primary focus on reading comprehension, academic presentations, and public speaking skills. Students will develop intercultural communication skills, build confidence when using English, understand the use of English in a wide range of texts and social interactions, and make cultural, social, and personal connections through language. Students will also be introduced to many concepts that are included in the IB English B curriculum. Placement Considerations:

- ***Open to International Students only with teacher approval***
- ***Language placement exam required***

I3034 - IB Language B HL/SL Year 1

1.00 Credit

IB English B course focuses on language acquisition and the development of language skills. This course focuses on developing, enhancing, and practicing English skills. These language skills are developed through the study and use of a variety of written and spoken materials. These materials are chosen to enable students to increase language skills, develop self-awareness, value multicultural perspectives, and foster international mindedness. Placement Considerations:

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

I3044 - IB Language B HL/SL Year 2

1.00 Credit

IB English B course continues to focus on language acquisition and the development of language skills. This course focuses on developing, enhancing, and practicing English skills. These language skills are developed through the study and use of a variety of written and spoken materials. These materials are chosen to enable students to increase language skills, develop self-awareness, value multicultural perspectives, and foster international mindedness. n, and precise writing. Diploma Candidates in the IB Program will complete all required assessments. Students must sit for the IB Exam take a course based final exam. Placement Considerations:

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

Mathematics

4010 - Algebra I/R

1.50 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 Even and Odd Days (one even/odd day for small group instruction, alternate days study hall)*
- *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:

- *Studies Office/Department placement considering HSPT scores, middle school grades, and GC Math Placement test performance.*

4017 - Algebra I Seminar

1.00 Credit

Algebra I Seminar is a companion class to 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. The department has the discretion to move students in or out of this seminar class at the end of the first semester. Placement Considerations:

- *Placement by Math department recommendation based on middle school math performance and HSPT scores*
- *Scheduled in combination with study hall, meet on specific days for small group instruction*
- *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:

- ***Math department approval***

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***

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:

- ***Math department approval***

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:

- ***Successful completion of Algebra II***

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***

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:

- ***Math department approval***
- ***Eliminated after 2020-2021 academic year***

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:

- ***Math department approval***

4064 - IB Math SL

1.00 Credit

This course recognizes the need for analytical expertise in a world where innovation is increasingly dependent on a deep understanding of mathematics. This course includes topics that are both traditionally part of a pre-university mathematics course (for example, functions, trigonometry, calculus) as well as topics that are amenable to investigation, conjecture and proof, for instance the study of sequences and series. The course allows the use of technology, as fluency in relevant mathematical software and hand-held technology is important regardless of choice of course. However, Mathematics: analysis and approaches has a strong emphasis on the ability to construct, communicate and justify correct mathematical arguments. Students are required to sit for the IB Mathematics – analysis and approaches SL exam. Placement Considerations:

- ***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:

- ***Math department approval***

4075 - IB Math HL

1.00 Credit

This course recognizes the need for analytical expertise in a world where innovation is increasingly dependent on a deep understanding of mathematics. This course includes topics that are both traditionally part of a pre-university mathematics course (for example, functions, trigonometry, calculus) as well as topics that are amenable to investigation, conjecture and proof, for instance the study of sequences and series and proof by induction. The course allows the use of technology, as fluency in relevant mathematical software and hand-held technology is important regardless of choice of course. However, Mathematics: analysis and approaches has a strong emphasis on the ability to construct, communicate and justify correct mathematical arguments. This course requires a commitment to significant summer work (can be completed remotely). The school year portion of the course is taught in conjunction with AP Calculus BC. Students are welcome and encouraged to sit for the AP Calculus BC exam in addition to the required IB Math HL: analysis and approaches exam. Placement Considerations:

- ***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:

- ***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:

- *Math department approval*
- *Must have specific department approval to fulfill the math requirement; recommended as a 2nd math course*

4132 - H. Pre-AP/IB Algebra III

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 trigonometry and other relevant topics in preparation for Calculus. Placement Considerations:

- *Math department approval*

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 involve studies of the cell, photosynthesis, cellular respiration and biochemistry. The second semester shall include topics in cellular division, genetics, ecology and evolution. 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***

5011 - Biology

1.00 Credit

This course will begin by introducing students to 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, biotechnology and Darwinian evolution. 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. 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, inorganic and organic chemistry, cellular/molecular biology, human physiology, biotechnology 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***
- ***Science Department approval***

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. 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:

- ***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 (examination 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. Students must sit for the IB Exam or take a course based final exam. Placement Considerations:

- ***Science department 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 IB SL 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 will be a topic of focus. Students must sit for the IB Exam or take a course based final exam. Placement Considerations:

- ***Successful completion of IB SL Biology***

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. 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. Lab experience supplements the course, which emphasizes problem-solving techniques and the fundamental principles of chemistry. 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 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:

- ***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 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:

- ***Science department 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 kinetics (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 kinetics (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***

5032 - H. Pre-AP/IB Physics

1.00 Credit

This course is designed for Juniors or Seniors who wish pursue an upper level study of the principles of physics including: kinetics (motion), dynamics (force, momentum, energy), rotational mechanics, gravity, electricity, magnetism, wave motion, and sound/light. Extensive laboratory work with inquiry-based lab skills will be completed for each unit. Placement Considerations:

- ***Science department approval***

5035 - IB Physics HL (Year 2)

1.00 Credit

IB Physics HL (Year 2) is an extension of topics from AP/IB Physics HL (Year 1) and is designed as year TWO of upper level Physics. Additional topics of study include waves, fields, electromagnetism, atomic/nuclear energy, thermal energy and fluids. Students who take this class MUST have completed AP/IB Physics HL (Year 1). Extensive lab work will be conducted using IB Physics expectations and standards. Additionally, all students will conduct an independent research project as part of the class requirements. Previous enrollment in AP Calculus AB or higher required. IB Physics HL (Year 2) prepares students for either the HL or SL IB Physics Exam. Students are prepared to take the AP Physics C: Electricity and Magnetism exam. AP/IB examination fees required. Students are expected to take an IB or AP exam or sit for a course based final exam. Placement Considerations: Placement Considerations:

- ***Successful completion of AP/IB Physics (Year 1)***
- ***Concurrent enrollment in AP Calculus BC or higher***
- ***Science department approval***

5036 - AP/IB Physics (Year 1)

1.00 Credit

In IB/AP Physics HL (Year 1), students study scientific method, kinematics, dynamics, energy, momentum, circular motion, rotation, waves and electricity. Extensive lab work will be conducted using IB Physics expectations and standards. Course content is directed towards students who wish to study engineering, physics, or similar technical fields in college and who are comfortable with math and technical abstract reasoning. Concurrent enrollment in AP Calculus AB or higher is required. IB/AP Physics 1 prepares students for IB Physics HL (Year 2). Students are also prepared to take the AP Physics 1 or AP Physics C: Mechanics exams. An examination fee is required. Students are expected to take an IB or AP exam or sit for a course based final exam. Placement Considerations:

Placement Considerations:

- ***Science department approval***
- ***Concurrent enrollment in AP Calculus AB or higher***

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 climate change. Indoor and outdoor labs will supplement the content learned. Students are expected to take the AP exam or sit for a course based final exam. Placement Considerations:

- ***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. are to take the AP Physics 1 or AP Physics C: Mechanics exams. An examination fee is required. Students are expected to take the IB exam or sit for a course based final exam. Placement Considerations:

- ***Science department approval***

5071 - Anatomy and Physiology

1.00 Credit

This course will cover 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:

- ***Open to 11th and 12th grade students***
- ***Completion of both Biology and Chemistry***

5081 - Forensic Science

0.50 Credit

This semester course includes the application of the scientific method to forensic analysis, procedures and principles of crime scene investigation with hands-on labs, and analysis of fictional crime scenarios. Case studies and current events will be explored. Emphasis will be placed on the methods that link suspect, victim, and crime scene. Laboratory exercises will include finger printing, handwriting analysis, blood typing, hair and fiber examination, and DNA analysis. Placement Considerations:

- ***Open to 11th and 12th grade students***
- ***Completion of both Biology and Chemistry***

5091 - Zoology

0.50 Credit

Zoology is a semester course that provides the student with a survey of invertebrate and vertebrate animals. Zoology student will study the diversity of Kingdom Animalia by studying anatomy, physiology, interrelationships, distributions and habitats, taxonomic relationships, life processes and survival mechanisms. This course will expand beyond content to include tastings of various cuisines alongside a generous partnership with SAGE and the research of local and national economics connections with a specific focus on the State of Maryland's cultural and economic dependence on animals. Placement Considerations:

- ***Open to 11th and 12th grade students***
- ***Completion of both Biology and Chemistry***

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***
- ***Open to 11th grade only***

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***
- ***Open to 10th grade students provided they have successfully completed IED and POE***

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. 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. 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

The nature of this World History 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; 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*

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 or they must sit for a course based final exam. Placement Considerations:

- ***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***
- ***Successful completion of World History/R***

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:

- ***Social Studies department approval***
- ***Successful completion of World History or H. Pre AP/IB World History***

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:

- ***Social Studies department approval***
- ***Successful completion of H. Pre AP/IB World History or AP Human Geography***

6027 - U.S. History Since 1945

0.50 Credit

This semester course examines U.S. history since World War II. The different perspectives of liberals and conservatives on major topics, such as the Cold War, the Civil Rights' Movement, the Vietnam War, the Watergate Scandal and Nixon's resignation, the Reagan Presidency, the conflict with Islamic extremism after the terrorist acts of 9/11/01, the elections of Obama and Trump, and recent domestic and foreign policy issues are offered. Furthermore, the course examines the 1952 movie classic, High Noon, as an allegory about American values during the Cold War. A second special feature will be a mock trial of Lee Harvey Oswald, the accused assassin of President John Kennedy, with students playing the roles of prosecution and defense attorneys, witnesses and jurors. The student project consists of a critical examination of a Hollywood movie from this period and a class presentation that includes a short clip from the film. Placement Considerations:

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

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

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:

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

6033 - AP U.S. Government

0.50 Credit

This semester course presents a critical perspective on the national political and governmental system of the United States. The institutions, beliefs, and significant groups that make up the political and governmental process receive special attention. Thus, the course examines how the political system has evolved and currently operates as well as the interplay among legislative, executive and judicial branches in making policy. Students will take and review previous A.P. exams before taking the A.P. exam in May. Starting in 2018, the A.P. exam will consist of 70 multiple choice questions (70 minutes) and five free response questions (100 minutes). Besides assessing mastery of the course content, this exam requires students to analyze and interpret material such as tables, charts, graphs and editorial cartoons. Any student not taking the A.P. Exam is required to take a teacher-generated final exam. (examination fee required). Placement Considerations:

- ***Social Studies department approval***
- ***Successful completion of H. Pre AP/IB World History or AP Human Geography***

6043 - AP European History

1.00 Credit

This is a comprehensive, in-depth, thematic study of European history from 1450 to the present within which students develop skills in analyzing historical sources and formulating arguments using contextualization, comparison, causation, and understanding of continuity and change over time. It requires college-level analysis of major themes in European history including interaction of Europe and the world, poverty and prosperity, objective knowledge and subjective visions, states and other institutions of power, the individual and society, and national and European identity. The course starts with the Renaissance, progresses with the changes brought by the Reformation, through the building of centralized nations and challenges to the authority of these due to the Enlightenment, focuses on the impacts of the Industrial Revolution on a new and participatory political landscape, ultimately culminating in the triumphs and tragedies of the 20th century and its lasting impact. This class serves as Year 1 of the History HL sequence within the IB Diploma Program. Students are expected to take the AP European History Exam in May (examination fee required). Placement Considerations:

- ***Social Studies department approval***
- ***Open to 11th & 12th grade students***

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***

6111 - Modern Russia

0.50 Credit

This course examines the historical development of Russia, with special emphasis on events from the beginning of the 20th century to the present. Major topics include the impact of physical geography on Russian civilization, a critical evaluation of the Marxist ideology, the causes and consequences of the Russian Revolution of 1917, the role of Lenin and Stalin in building communism, the methods used by the Soviet Army to win World War II and an evaluation of the major crises of the Cold War. Finally, the course examines recent events, such as the collapse of the Soviet system and current social, political and diplomatic trends. Projects are done in teams, focus on major controversies, and include a slide presentation. Placement Considerations:

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

6121 - American History at the Crossroads Part I: Music and Culture

0.50 Credit

This course is an examination of the origins and evolution of popular music (predominantly Rock and Roll) and its impact on the social, political, intellectual, and cultural history of the United States. Music has been influenced by major events in American history and it has also fostered change at important moments in our history. Rock and Roll is an American invention that evolved from the different musical genres created in our country and it continues to impact generation after generation of listeners. We will explore the often-overlooked intersections of music and history. Placement Considerations:

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

6131 - American History at the Crossroads Part 2: Music and Culture

0.50 Credit

This course is an examination of the origins and evolution of popular music (predominantly Rock and Roll) and its impact on the social, political, intellectual, and cultural history of the United States. Music has been influenced by major events in American history and it has also fostered change at important moments in our history. Rock and Roll is an American invention that evolved from the different musical genres created in our country and it continues to impact generation after generation of listeners. We will explore the often-overlooked intersections of music and history. Placement Considerations:

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

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:

- ***Social Studies department approval***
- ***Successful completion of AP Macroeconomics/IB Economics HL (Year 1)***

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:

- ***Social Studies department approval***
- ***Open to 11th & 12th grade students***

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, & 12th grade students***

6165 - IB Psychology HL (Year 2)

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 sociocultural perspectives in psychological theory and a review of abnormal psychology and human relationships. Students also participate in an experimental segment of study in which students demonstrate the acquisition of knowledge and skills required for experimental design, data collection, data analysis and interpretation. Students will undertake a replication of a published study, or a modified original study, presenting results systematically in a written lab report using descriptive and inferential statistics to support their research. Students will take the IB HL exam in May (Examination fee required). Placement Considerations:

- ***Social Studies department approval***
- ***Successful completion of AP/IB Psychology (Year 1)***

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:

- ***Social Studies 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, & 12th grade students***

6183 - AP Comparative Government

1.00 Credit

This year-long course introduces students to the rich diversity of political life outside the United States. The comparative approach examines the governmental structures, policies, and political, economic, and social challenges of six selected countries: Great Britain, Russia, China, Iran, Mexico and Nigeria. Moreover, students examine how effectively these six governments react to similar problems and apply key concepts, such as legitimacy, sovereignty, political socialization, ideology, democracy, revolution, nation and state to the core countries. Reports include comparing and evaluating specific leaders and their policies. Finally, the course uses videos, recent news articles, and visuals such as editorial cartoons, maps, graphs and charts to enhance student understanding of course topics. Students will practice previous A.P. exams before taking the Advanced Placement Exam in May. Any student not taking the A.P. Exam is required to take a teacher-generated final exam. (examination fee required). Placement Considerations:

- ***Social Studies department approval***
- ***Open to 11th & 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, & 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 & 12th grade students***

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*

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*
- *Runs every ODD school year*

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***
- ***Runs every EVEN school year***

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***
- ***Fine Arts department approval***

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 Exhibition Portfolio and Visual Art Journal. On a formal level, emphasis is placed on a deeper understanding of the Elements of Art and the Principles of Design, 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. 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 (SL) will be expected to complete 4-7 Exhibition pieces, 10-15 screens (pages consisting of imagery and text) for a Comparative Study, and 9-18 screens for a Process Portfolio. IB students studying on the Higher Level (HL) will be expected to complete 8-11 Exhibition pieces, 13-20 screens (consisting of imagery and text) for a Comparative Study, and 13-25 screens for a Process Portfolio. All components will be submitted to an IB examiner for assessment. IB students who wish to study art at the Higher Level must enroll in this course for two years. All students enrolled in this course must complete the IB assessments. Placement Considerations:

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

7131 - Pep Band

0.25 Credit

The Pep Band is an ensemble comprised of student-musicians that perform at various sporting events throughout the Spring 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 Fine Arts 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 musicians. Some instruments may be unacceptable for Marching Band and students may be asked to learn a new one. 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 Fine Arts department approval*

7151 - Symphonic Band

1.00 Credit

This course is for students who are continuing to develop their skills as musicians and performers on a wind instrument. 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*

7161 - 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 music 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***

7181 - String Ensemble

1.00 Credit

This course is for students who are continuing to develop their skills as musicians and performers on a string instrument. 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***

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***
- ***Open to 9th grade girls***

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 Fine Arts department approval***
- ***Open to 10th, 11th, and 12th grade girls***

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 music 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***

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 music 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***

7312 - Designing for the Stage

1.00 Credit

Students explore elements of design (set, lights, and costume) through play analysis. Students will learn the art of theatrical design building skills in rendering, model building and basic stage craft. Students will use technology to engineer lighting design. Placement Considerations:

- ***Successful completion of Introduction to Theatre AND Stage Craft required***

7321 - Introduction to Theatre

0.50 Credit

This course is designed to provide students with a fast-paced introduction to the world of theatre. In addition to the basics of performance and design, students will understand theatre's importance throughout history and in our own time and culture. The class will also focus on theatre's many applicable skills, including self-awareness, personal reflection, confidence in public speaking, and collaboration. The course will culminate with students collaborating as an ensemble to write, design, and perform a short play. Placement Considerations:

- ***Open to all grades***

7334 - IB Theatre I

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:

- ***Fine Arts department approval***
- ***Runs every EVEN school year***

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:

- ***Open to all grades***

7344 - IB Theatre II

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:

- ***Fine Arts department approval***
- ***Runs every ODD school year***

7362 - Advanced Theatre Topics A - Playwriting

1.00 Credit

In this course, students will explore how to select a text, approach it, analyze it and prepare it for production. They will learn how to cast and work with actors and various acting styles in their work. Additionally, students will practice the collaborative art of devising, creating a new piece of theatre collaboratively. Other topics include production team collaboration, design cooperation, staging, and creating an environment in which the world of the play becomes alive for actors and audience alike. Placement Considerations:

- ***Open to 10th, 11th and 12th grade***
- ***Successful completion of Introduction to Theatre AND Stage Craft required***
- ***Runs in the 2020-2021 school year***

7363 - Advanced Theatre Topics B - Directing and Devising

1.00 Credit

In this course, students will explore how to select a text, approach it, analyze it and prepare it for production. They will learn how to cast and work with actors and various acting styles in their work. Additionally, students will practice the collaborative art of devising, creating a new piece of theatre collaboratively. Other topics include production team collaboration, design cooperation, staging, and creating an environment in which the world of the play becomes alive for actors and audience alike. Placement Considerations:

- ***Open to 10th, 11th and 12th grade***
- ***Successful completion of Introduction to Theatre AND Stage Craft required***
- ***Runs in the 2021-2022 school year***

7364 - Advanced Theatre Topics C - Acting for the Stage

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 Introduction to Theatre. 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. Placement Considerations:

- ***Open to 10th, 11th and 12th grade***
- ***Successful completion of Introduction to Theatre AND Stage Craft required***
- ***Runs in the 2022-2023 school year***

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. Can be used to fulfill the 0.5 credit PE requirement after 8011 - Fitness and Health. Can be used for Fine Arts OR PE credit, NOT both. Placement considerations: Placement Considerations:

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

7451 - Classical Dance Technique

0.50 Credit

Students in this course will be introduced to techniques integral to the foundations of ballet, jazz, tap and contemporary dance. Students will explore turnout, point and flex, eppaulement, port de bras, barre and centre work. Students will build a physical and literal vocabulary of essential dance steps and develop the ability to perform choreography as well as discuss it clearly and coherently. Assessments will include technique quizzes, choreography assessments, and collaborative projects. Placement Considerations:

- ***Open to all grades***

7471 - Jazz Dance

1.00 Credit

Beginning Jazz Dance is designed for students with minimal dance experience and includes an introductory experience in movement vocabulary that explores the evolution of jazz both as a dance form and as an element of self-expression. Forms of jazz dance from Vaudeville to swing dance to musical theater will be explored, demonstrating the wide range of styles included in this genre. Placement Considerations:

- ***Runs every EVEN school year***
- ***Successful completion of Agility, Balance & Strength or Fine Arts department approval required***

7481 - Modern Dance

1.00 Credit

Beginning Modern Dance is designed for students with minimal dance experience and includes an introduction to the fundamentals of modern dance technique and vocabulary through the exploration of methods by notable choreographers in this genre. Contraction/release and fall/recovery will be explored to understand the full mobility of the spine, as well as the use of breath to initiate movement and expression. Placement Considerations:

- ***Runs every ODD school year***
- ***Successful completion of Agility, Balance & Strength or Fine Arts department approval required***

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:

- *P.E. uniform required*
- *Open to 10th, 11th and 12th grade*

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:

- *P.E. uniform required*
- *Open to 11th and 12th grade*

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:

- *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:

- ***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:

- ***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:

- ***PE department approval***
- ***P.E. uniform required***

8051 - Falcon Fit I

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:

- ***PE department approval***
- ***P.E. uniform required***

8052 - Falcon Fit II

0.50 Credit

This class is the second-level of an intense, high-level, physical education course designed using the principles of CrossFit. The focus of the course will be on enhancing functional physical fitness at high intensity. The class utilizes methods to improve students' overall strength, muscular endurance, flexibility, cardiovascular endurance, body composition, and weight training techniques. A Good Counsel PE uniform is required. Placement Considerations:

- ***PE department approval***
- ***PE uniform required***

8071 - Athletic Training

0.50 Credit

This course is designed as an introduction to the duties and functions of the certified athletic trainer and the relationship of the athletic trainer to other health care professionals. Class emphasis will focus on the prevention, recognition, immediate care, and rehabilitation of athletic injuries. Curriculum includes mandatory observation hours in the athletic training facility and hands-on learning during class time. Placement Considerations:

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*

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*

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*

9071 - Intro to HTML and Style Sheets

0.50 Credit

This semester class will introduce the student to the HTML programming language and the use of style sheets in creating web-based applications. Students will learn the structure of an HTML page, how graphics and text are manipulated within a web page, and how style sheets and Java controls can influence the look and feel of a web page experience. This is a first semester course. Placement Considerations:

- *Open to all grades*

9081 - Introduction to Databases

0.50 Credit

This semester class will introduce the student to the concepts of relational and physical databases. Using SQL, the student will learn to define a database and execute queries against it in order to return meaningful data. Topics will include data dictionaries and database management. Work is performed using the Microsoft Access software package running on a Windows platform. This is a second semester course. Placement Considerations:

- ***Open to all grade levels***

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

1.00 Credit

This class is for students interested in the design and creation of computer programs. Beginning with an introduction to logical and mathematical computer science concepts, how they are used in developing programming skills is discussed throughout the year. Actual programming projects using Java are a large part of the course. This class is an excellent precursor to course 9113, or for those with potential education tracks in Information Systems Management. Placement Considerations:

- ***Open to all grades (Ryken with Ryken Director approval)***
- ***Computer Studies department approval***

9113 - AP Computer Science A

1.00 Credit

This course is for the serious student in computer science. Using the Java programming language, its presentation and pacing is at a level equivalent to first year, college computer science. Students taking this class typically take the College Board Advanced Placement test in Computer Science. This course explores the theory of computer science through mathematical concepts and intensive programming. Throughout the class, the emphasis is on problem solving using data structures and algorithms. Placement Considerations:

- ***Open to 10th, 11th, and 12th grade students (Ryken with Ryken Director approval)***
- ***Computer Studies department approval***

9115 - IB Information Technology in a Global Society HL - Year 1

1.00 Credit

The IB Diploma Program information technology in a global society (ITGS) course is the study and evaluation of the impacts of information technology (IT) on individuals and society. It explores the advantages and disadvantages of the access and use of digitized information at the local and global level. Students come into contact with IT on a daily basis because it is so pervasive in the world in which we live. This increasingly widespread use of IT inevitably raises important questions with regard to the social and ethical considerations that shape our society today. This course is rigorous but knowledge of coding is not required. Students will be exposed to a broad variety of technology hardware, software and systems. Successful students will be able to demonstrate knowledge and understanding of these aspects of technology and be able to manage the Internal Assessment Project.

Year 1 will focus on information and communication technologies (IT systems). Students will be responsible for learning and understanding different IT systems and vocabulary and also applying social and ethical consideration to real world issues in the areas of Politics/Government, Business, Healthcare, Environment, Education and Leisure. 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 11th and 12th grade*
- *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:

- *Open to 12th grade*
- *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***