

REGINA DOMINICAN HIGH SCHOOL



COURSE CATALOG

2020-2021

MISSION STATEMENT

Regina Dominican, a college preparatory Catholic high school for young women, sponsored by the Adrian Dominicans, fosters academic excellence, truth, peace, and justice while challenging each student to develop leadership for life and respect for all races, cultures and faiths.

VISION

Regina Dominican High School is the premier college preparatory Catholic high school that inspires young women to lead and serve in the global community.

PHILOSOPHY

Regina Dominican is a Catholic institution dedicated to the Christian education of young women. Guided by the Adrian Dominican tradition of scholarship in the pursuit of truth and justice, Regina Dominican graduates are challenged to exercise their education and Christian faith to empower themselves and others to live quality lives.

A college preparatory high school, Regina Dominican fosters academic excellence not only as a means to an end but also as a worthwhile process in the development of an educated woman. A Regina Dominican education integrates the humanities and sciences, encouraging students to see relationships among the various academic disciplines. The skills of interpretation, analysis, evaluation, and expression are cultivated through the mastery of content and concepts. Each student is challenged to achieve her potential for excellence in an atmosphere where learning is experienced as a cooperative enterprise.

In order to address the unique spiritual and emotional development of women in the twenty-first century, Regina Dominican complements the work of the family and provides an environment that encourages and supports opportunities for the adolescent to become self-actualizing. Endorsement of the leadership roles of women in the church and society permeates the academic and extracurricular programs. Through experiences that provide spiritual and psychological integration of the young woman, each Regina Dominican graduate is equipped to be an active decision-maker throughout her life.

Regina Dominican prepares its students to act responsibly in our rapidly changing, multicultural society. To this end, the curriculum and related areas emphasize a respect for various traditions and an awareness of our global community. Regina Dominican challenges each young woman to experience a love for truth and beauty, an appreciation of justice, and a respect for the world.

CONTENTS

INTRODUCTION

Graduation Requirements	4
Advanced Placement Program	5
Suggested Program of Studies	6
Preparation for College Admission	7

DEPARTMENT OFFERINGS

English	8
Fine Arts	15
Mathematics	23
Physical Education	29
Science	32
Social Studies	39
Theology	44
Service Hours	47
World Languages	49
Communications	56
Summer School Offerings	57

INTRODUCTION

GRADUATION REQUIREMENTS

The following credits must be earned during the regular school year at Regina Dominican.

English	4.0	credits
Fine Arts	1.0	credit
Mathematics	3.0	credits
Health Education	.5	credit
Physical Education	1.0	credits
Science (Laboratory)	3.0	credits
Social Studies	3.0	credits
Theology	4.0	credits
World Languages	2.0	credits
Electives	4.5	credits
TOTAL	<hr/> 26.0	credits

Theology: One credit for each year of attendance at Regina Dominican

World Languages: Two credits must be earned in one language

Community Service: Fifteen hours of documented service for each year of attendance

Please refer to each department listing for specific information regarding course requirements.

ADVANCED PLACEMENT PROGRAM

Regina Dominican participates in the College Board Advanced Placement Program. The AP courses are college level courses taught by Regina Dominican's faculty. At the end of the course, the student takes an AP exam and, depending on the results, she may be able to earn college credit.

English

AP English Language and Composition

AP English Literature and Composition

Fine Arts

AP Music Theory

Mathematics

AP Calculus AB

AP Calculus BC

AP Computer Science Principles

Science

AP Biology

AP Chemistry

AP Physics 1: Algebra Based

Social Studies

AP Psychology

AP U.S. Government and Politics

AP U.S. History

World Languages

AP French Language and Culture

AP Spanish Language and Culture

AP Latin

SUGGESTED PROGRAM OF STUDIES

Regina Dominican students are typically enrolled in 7 classes per semester.

Grade 9

English
Mathematics
Physical Education
Science
Social Studies
Theology
World Language
Fine Arts or Health

Grade 10

English
Mathematics
Physical Education
Science
Social Studies
Theology
World Language
Fine Arts or Health or Grade 10 Electives

Grade 11

English
Mathematics
Science
Theology
Electives in Fine Arts, Social Studies, or World Language

Grade 12

English
Social Studies (U.S. Government & Politics)
Theology
Electives in Fine Arts, Mathematics, Science, Social Studies, or World Language

PREPARATION FOR COLLEGE ADMISSION

It is the objective of the Regina Dominican Student Services Department to provide post-high school planning opportunities for all students by advising them in exploring, defining, and applying knowledge and skills that prepare them for higher education.

It is critical that students and parents/guardians begin to consider the general requirements for college admission as soon as possible. College admission requirements vary; therefore, it is strongly recommended that the student consult with college admission representatives for the most accurate information regarding individual entrance requirements. Regina Dominican's graduation requirements are aligned with college admission requirements. College applications are evaluated based on many factors including a student's individual curriculum, cumulative grade point average and performance on standardized college entrance exams. Therefore, most colleges and universities are interested in assessing students from a holistic perspective, which includes student involvement in co-curricular, community and service activities in addition to a high standard of academic excellence.

At Regina Dominican, students are guided through the college search process with personalized attention and are encouraged to explore specific colleges and careers by using resources available in the Student Services Department and on the Internet. Students meet with the college counselor beginning in the spring of their junior year and throughout senior year, as needed, in order to offer assistance during the college application process. However, any student and/or her parents/guardians are invited to schedule an appointment with the college counselor at any time to discuss post-secondary options.

Regina Dominican High School is accredited by Cognia (formerly AdvancEd) and recognized by the Illinois State Board of Education and the National Catholic Education Association. Colleges and universities in the United States recognize course credits earned at Regina Dominican High School.

ENGLISH

LITERARY GENRES (115)

Grade: 9

Level 1

Prerequisites: None

One Year / 1.0 Credit

This course helps develop reading, writing, speaking, and listening skills through an examination of literary works chosen to enhance the appreciation of literature and culture. Students investigate a variety of literary genres (fiction, historical fiction, non-fiction, poetry, drama, and mythology). They build vocabulary and develop skills in language usage, discussion, writing, annotating texts, multimedia technology, oral presentations, and critical thinking. Students engage in group projects as well as read independently. This Level 1 class provides support and accommodations that are appropriate to allow all students to access and master grade-level, college-prep standards.

LITERARY GENRES (112)

Grade: 9

Level 2

Prerequisite: None

One Year / 1.0 Credit

This course helps develop reading, writing, speaking, and listening skills through an examination of literary works chosen to enhance the appreciation of literature and culture. Students investigate a variety of literary genres (fiction, historical fiction, non-fiction, poetry, drama, and mythology). They build vocabulary and develop skills in language usage, discussion, writing, annotating texts, multimedia technology, oral presentations, and critical thinking. Students engage in group projects as well as read independently.

HONORS LITERARY GENRES (113)

Grade: 9

Level 3

Prerequisite: None

One Year / 1.0 Credit

This course helps develop reading, writing, speaking, and listening skills through an examination of literary works chosen to enhance the appreciation of literature and culture. Students investigate a variety of literary genres (fiction, historical fiction, non-fiction, poetry, drama, and mythology). They build vocabulary and develop skills in language usage, discussion, writing, annotating texts, multimedia technology, oral presentations, and critical thinking. Students engage in group projects as well as read independently. This Level 3 class provides instruction at an accelerated pace, which allows for opportunities for enrichment and deeper exploration of the subject for students whose skills are well above grade level and who are seeking greater academic challenge.

AMERICAN LITERATURE (180)

Grade: 10

Prerequisite: None

Level 1

One Year / 1.0 Credit

This course is designed to give students a rich understanding and deep appreciation of the diversity and heritage of American literature. Students study a cross-section of American authors and their works and selections from the Early Native American period through the twenty-first century. Students explore the literature through investigating the geographical, political, cultural, and historical background of the time period. The course will study classic American texts in the genres of the novel, short story, poetry, drama, and non-fiction. Students will be encouraged to think critically, to participate in meaningful discussion, and to write logically. Students will continue to work on composition, research, vocabulary, reading, speaking, listening, and language usage skills in addition to preparation for standardized testing. This Level 1 class provides support and accommodations that are appropriate to allow all students to access and master grade-level, college-prep standards.

AMERICAN LITERATURE (122)

Grade: 10

Prerequisite: None

Level 2

One Year / 1.0 Credit

This course is designed to give students a rich understanding and deep appreciation of the diversity and heritage of American literature. Students study a cross-section of American authors and their works and selections from the Early Native American period through the twenty-first century. Students explore the literature through investigating the geographical, political, cultural, and historical background of the time period. The course will study classic American texts in the genres of the novel, short story, poetry, drama, and non-fiction. Students will be encouraged to think critically, participate in meaningful discussion and to write logically. Students will continue to work on composition, research, vocabulary, reading, speaking, listening, and language usage skills in addition to preparation for standardized testing.

HONORS AMERICAN LITERATURE (123)

Grade: 10

Prerequisite: None

Level 3

One Year / 1.0 Credit

This course is designed to give students a rich understanding and deep appreciation of the diversity and heritage of American literature. Students study a cross-section of American authors and their works and selections from the Early Native American period through the twenty-first century. Students explore the literature through investigating the geographical, political, cultural, and historical background of the time period. The course will study classic American texts in the genres of the novel, short story, poetry, drama, and non-fiction. Students will be encouraged to think critically, participate in meaningful discussion and to write logically. Students will continue to work on composition, research, vocabulary, reading, speaking, listening, and language usage skills in addition to preparation for standardized testing. This Level 3 class provides instruction at an accelerated pace,

which allows for opportunities for enrichment and deeper exploration of the subject for students whose skills are well above grade level and who are seeking greater academic challenge.

CREATIVE WRITING (149)

Grade: 10, 11, 12

Level 2

Prerequisites: None

One Semester / .5 Credit

A creative writing course cannot teach creativity; it can, however, engage the serious student in developing a system of tapping ideas and channeling them through the process of composing. Journal writing provides students with a tool for developing ideas and practicing forms of writing. Through reading, reflection and imitation writing, students explore published works in memoir / personal narrative, short fiction, poetry, playwriting/dialogue, and experimental storytelling. Each unit emphasizes the importance of workshop, constructive criticism, and revision. The course then culminates in a student portfolio of polished work from the semester. This course does not satisfy the English requirements for graduation; however, students earn an additional English .5 credit.

FILM STUDIES (176)

Grades: 10, 11, 12

Level 2

Prerequisite: None

One Semester / .5 Credit

This one-semester course introduces students to the elements of film as a medium of storytelling and communication, beginning with an introduction to film language. Through viewing a variety of film genres (silent, drama, comedy, film noir, science fiction, etc.), students employ critical thinking skills in order to evaluate film as a storytelling form. Written essays and class discussion are the backbone of this course, as students have opportunities to demonstrate their newfound knowledge of film analysis in written and verbal arguments. They will also express that understanding by producing short screenplays, storyboards and a short film. This course does not satisfy the English requirement for graduation; however, students earn an additional credit in English.

JOURNALISM I (171)

Grade: 10, 11, 12

Level 2

Prerequisites: None

One Semester / .5 Credit

Journalism I provides the foundation and building blocks of journalism, print and media. The course presents students with the skills and information that are essential for reliable, accurate, and independent news reporting. This course addresses the fundamental skills associated with journalistic writing, and presents students with the essential issues facing journalism today. In addition to writing, this course addresses the history, laws, ethics, and fundamentals of news literacy, with a keen focus on the critical thinking skills required for news judgment. Students will be exposed to the current genres of journalism, such as broadcast journalism, podcasts, social media, and other forms of digital journalism. Students who enroll in this course will compile a portfolio of their own writing and writing

of columnists from around the globe. This course does not satisfy the English requirement for graduation; however, students earn an additional .5 credit in English.

BRITISH LITERATURE (131)

Grade: 11

Level 1

Prerequisite: None

One Year / 1.0 Credit

Students survey the literature of Great Britain from the Anglo-Saxon period through the present. Genres include the epic poem, sonnet, Shakespearean drama, essay, and novel with an emphasis on the historical, social, and philosophical influences which have shaped Britain's literary heritage. In the study of literature, students draw inferences from the literal level of the readings, analyze the figurative level of poetry and prose, and synthesize and evaluate literary topics. Students improve written expression through multi-paragraph compositions, ACT writing prompts, and a research paper. They develop critical thinking, use technological and informational resources, deliver oral presentations, engage in small and large group discussion, read independently, and collaborate on group projects. This Level 1 class provides support and accommodations that are appropriate to allow all students to access and master grade-level, college-prep standards.

BRITISH LITERATURE (132)

Grade: 11

Level 2

Prerequisite: None

One Year / 1.0 Credit

Students survey the literature of Great Britain from the Anglo-Saxon period through the present. Genres include the epic poem, sonnet, Shakespearean drama, essay, novel with an emphasis on the historical, social, and philosophical influences which have shaped Britain's literary heritage. In the study of literature, students draw inferences from the literal level of the readings, analyze the figurative level of poetry and prose, and synthesize and evaluate literary topics. Students improve written expression through multi-paragraph compositions, ACT writing prompts, and a research paper. They develop critical thinking, use technological and informational resources, deliver oral presentations, engage in small and large group discussion, read independently, and collaborate on group projects.

HONORS BRITISH LITERATURE (135)

Grade: 11

Level 3

Prerequisite: None

One Year / 1.0 Credit

Students survey the literature of Great Britain from the Anglo-Saxon period through the present. Genres include the epic poem, sonnet, Shakespearean drama, essay, novel, and short story with an emphasis on the historical, social, and philosophical influences which have shaped Britain's literary heritage. In the study of literature, students draw inferences from the literal level of the readings, analyze the figurative level of poetry and prose, and synthesize and evaluate literary topics. Students

improve written expression through multi-paragraph compositions, ACT writing prompts, and a research paper. They develop critical thinking, use technological and informational resources, deliver oral presentations, engage in small and large group discussion, read independently, and collaborate on group projects. This Level 3 class provides instruction at an accelerated pace, which allows for opportunities for enrichment and deeper exploration of the subject for students whose skills are well above grade level and who are seeking greater academic challenge.

ETYMOLOGY (141)

Grades: 11

Level 2

Prerequisite: None

One Semester / .5 Credit

Studies show that there is a direct correlation between success in life and one's vocabulary. If you are interested in going into the fields of medicine, politics, law, linguistics, or psychology, this course will improve your knowledge of Latin root words and their impact on specialized vocabulary in those fields. You will improve your vocabulary, increase your reading comprehension, and become a better writer. You will also be able to increase your score on the SAT and ACT standardized tests through the knowledge of root words of collegiate level vocabulary. Students concentrate on Latin and Greek prefixes and suffixes, synonyms, word analogies, and word families. Through this study and daily writing assignments, students can develop a lifelong awareness and habit of vocabulary development. This course does not satisfy the English requirement; however, students earn an additional .5 credit in English.

YEARBOOK I (165)

Grades: 11, 12

Level 2

Prerequisites: None

One Year / 1.0 Credit

Students in this year long course will function as staff members for the Regina Dominican yearbook, *The Star*. Students will learn the various skills of the publication process: layout and design on publisher's web-based program, copywriting, photography, writing headlines and captions, and proofreading techniques. This course provides the study and practice in gathering information and taking photographs of events that take place throughout the year. Students must produce quality work, be a team-player, handle deadline pressure and should expect to spend additional time outside of the class working on the publication. This course does not satisfy the English requirement for graduation; however, students earn an additional credit in English.

JOURNALISM II (174)

Grade: 10, 11, 12

Level 2

Prerequisite: Journalism I

One Year / 1.0 Credit

One Semester / .5 Credit

Journalism II is an advanced course that provides students with writing longer and more complex news stories by working for the school newspaper, *Crown*. In addition, students will also refine their

reporting, writing, and editing skills and learn the intricacies of specific types of journalistic writing, including news, in-depth feature, investigative, opinion and review. Students will also explore visual and multimedia reporting. This course does not satisfy the English requirement for graduation; however, students earn an additional credit in English.

AP ENGLISH LANGUAGE AND COMPOSITION (139)

Grade: 11, 12

Level AP

Prerequisites: None

One Year / 1.0 Credit

The AP English Language and Composition course cultivates the reading and writing skills that students need for college success and for intellectually responsible civic engagement. The course guides students in becoming curious, critical, and responsive readers of diverse texts and becoming flexible, reflective writers of texts addressed to diverse audiences for diverse purposes. The course focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make as they compose and revise. Students evaluate, synthesize, and cite research to support their arguments. Students are required to take the Advanced Placement exam in May and a practice exam outside of scheduled class time. The cost of the AP exam for this course will be approximately \$95.00. Although there are no prerequisites for the course, prospective students should be able to read and comprehend college-level texts and write grammatically correct, complete sentences.

COLLEGE WRITING: RESEARCH AND ARGUMENTATION (142)

Grade: 12

Level 2

Prerequisite: None

One Year / 1.0 Credit

This course is designed to prepare students for the various kinds of writing required in college coursework. Students will study selections of non-fiction as exemplars of effective expository, argumentative and narrative writing. These selections will also provide topics for thesis-driven argumentative essays addressing a variety of contemporary issues. Students will study and compose in a variety of writing modes, including the narrative, rhetorical analysis, a research paper, and exposition in many forms. As developing writers, students will focus on purpose, audience, style, and argument. They will also review MLA documentation, grammar, usage, and mechanics. Students will present their essays for peer review and practice the skills of editing and revising.

WORLD LITERATURE (153)

Grade: 12

Level 2

Prerequisites: None

One Year / 1.0 Credit

This course explores works of both classic and contemporary World Literature, with emphasis on understanding the themes central to all people and how they are expressed in a variety of genres. Students will read fiction, nonfiction, drama, and poetry in a social-historical context, with the aim of

recognizing the common human experience across works and cultures. Students will develop curiosity to learn, understand, appreciate, debate, and discuss essential questions pertinent to all cultures. Throughout the course we will also ask how an author crafts a story to communicate a message. In addition, students will hone their own writing skills through consideration of audience, purpose, and form. Written assignments over the course of the year are representative of a variety of modes that are typically required of college level freshman classes, including a research paper with a global focus.

AP ENGLISH LITERATURE AND COMPOSITION (155)

Grade: 12

Level AP

Prerequisites: None

One Year / 1.0 Credit

The AP English Literature and Composition course focuses on reading, analyzing, and writing about fiction, poetry, and drama from various periods. Through this study, students develop an appreciation of ways literature reflects and comments on a range of experiences, institutions, and social structures. Students engage in close reading and critical analysis of imaginative literature to deepen their understanding of the choices literary writers make and the techniques they utilize to achieve purposes and generate meanings. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, and symbolism. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works. Students are required to take the Advanced Placement exam in May and to take a practice test outside of scheduled class time. The cost of the AP exam for this course will be approximately \$95.00. Although there are no prerequisites for the course, prospective students should be able to read and comprehend college-level texts and write grammatically correct, complete sentences.

YEARBOOK II (166)

Grade: 12

Level 2

Prerequisites: Yearbook I

One Year / 1.0 Credit

Students who successfully completed Yearbook I and possibly wish to explore a leadership role on the yearbook staff elect to take this advanced course. The class is designed to develop leadership through editorial decisions related to deadlines, design, copy editing, and photography. Students master advanced techniques in desktop publishing, digital imagery, and photo placement. Working closely with staff members, students facilitate the internal management of the production including theme development and cover design. Students in this advanced course are expected to prepare the yearbook's theme and design during the summer. During the school year, students are expected to spend additional time outside of class working on the publication and finalizing the pages at the end of the school year. This course does not satisfy the English requirement for graduation; however, students can earn additional credit in English.

FINE ARTS

ART

ART FOUNDATIONS (220)

Grades: 9, 10, 11, 12

Level 2

Prerequisite: None

One Semester / .5 Credit

This course is designed for beginning students with various skill levels. This course introduces the student to the fundamental techniques needed to master the elements of art. Students learn through practical application with projects, sketchbook assignments, and critiques. This course teaches students the foundations necessary to continue in the upper level art courses.

GRAPHIC DESIGN (241 or 255)

Grades: 9, 10, 11, 12

Level 2 (241), Level 3 (255)

Prerequisite: Art Foundations or Portfolio Review

One Semester / .5 Credit

This course introduces students to basic and intermediate rules and practices for strong and impactful design. Students will focus on using the principles of design to create and edit designs using both traditional media and Adobe Creative Suite. The class curriculum consists of projects designed to aid students in becoming effective visual communicators. A large portion of the class is spent learning and utilizing the features of the computer graphics programs through project-based learning. The profession of graphic design is explored, discussing the various types of designers and subject matter. Juniors and seniors may contract to take this course for Level 3 credit.

3-DIMENSIONAL DESIGN I (244)

Grades: 9, 10, 11, 12

Level 2

Prerequisites: Art Foundations or Portfolio Review

One Semester / .5 Credit

This course introduces students to the world of 3-dimensional design through experimentation with various materials including clay, balsa foam, and paper machè. The students explore the possibilities of creating pieces with meaning and depth using these materials. The study of clay includes basic hand-building techniques of pinching, coiling, and slab construction. Students become familiar with the tools and language of the ceramic artist.

3-DIMENSIONAL DESIGN II (246 or 245)

Grade: 9, 10, 11, 12

Prerequisites: 3-Dimensional Design I

Level 2 (246), Level 3 (245)

One Semester / .5 Credit

This course provides individual opportunities for students to further develop and explore their skills and personal style through the creation of 3-Dimensional works using a variety of materials. Each student is responsible for developing the project based on concepts and themes as presented by the instructor. The students gain experience in artistic expression and problem solving. Juniors and seniors may contract to take this course for Level 3 credit.

DRAWING AND PAINTING I (263 or 257)

Grades: 9, 10, 11, 12

Prerequisites: Art Foundations or Portfolio Review

Level 2 (263), Level 3 (257)

One Semester / .5 Credit

This course concentrates on developing basic drawing techniques in pencil, color pencil, and charcoal with emphasis on the elements and principles of art, focusing on proportion, value, and composition. Students demonstrate proficiency in techniques depicting the illusion of the third dimension. Students also gain an understanding and appreciation for other cultures and periods through the study of artists and their works. Students have an opportunity to develop a sense of personal style and expression particularly through their final project which is developed all semester. Juniors and seniors may contract to take this course for Level 3 credit.

DRAWING AND PAINTING II (265 or 269)

Grade: 9, 10, 11, 12

Prerequisite: Drawing and Painting I

Level 2 (265), Level 3 (269)

One Semester / .5 Credit

This course provides individual opportunities for students to further develop their skills and personal style in painting and drawing. Students will develop a better understanding of color relationships and theory, spatial and compositional relationships while developing their technique. Each project is concept based or media based, giving the student the opportunity to explore the concept or media and styles as they see fit. Students will also gain more experience in the critiquing process. Juniors and seniors may contract to take this course for Level 3 credit.

VISUAL ARTS TEACHING ASSISTANT (243)

Grades: 11, 12

Prerequisite: Interview with Instructor

Art Foundations and at least two other art courses

Pass/Fail

One Semester / .25 credit

The Art Teaching Assistant will be responsible for helping the instructor to prepare and organize materials and aiding students in various tasks such as measuring, setting up projects, color mixing,

techniques, cleanup process, and the critique process. The TA will also actively participate in helping review the curriculum of courses and ensure success for all students. Students are expected to report 2-3 periods per week during their study period.

DANCE

DANCE FOUNDATIONS (226)

Grades: 9, 10, 11, 12

Level 2

Prerequisite: None

One Semester / .5 Credit

Dance Foundations is a semester-long course designed for students seeking foundational knowledge in the practice and applications of dance. The objective of the class is to explore and learn beginning dance techniques and build awareness around the impact of dance in society, culture, and history. Students will study Ballet, Jazz, Modern, Ugandan, and Hip Hop Dance techniques, as well as an introduction to dance improvisation. These genres will be taught in historical and cultural context and will provide an experiential learning opportunity of dance skills, techniques, improvisation, choreography, and critical analysis. Over the course of the semester, students will harness their own expressive capabilities and technical skills to collaborate, create, and perform dances, and prepare for additional advanced coursework. This course may be taken as either a Physical Education or Fine Arts .5 credit.

MODERN DANCE (232)

Grades: 9, 10, 11, 12

Level 2

Prerequisites: Dance Foundations or Audition

One Semester / .5 Credit

Modern Dance is a semester-long course designed for students who have had an introduction to Modern Dance techniques through Dance Foundations and are looking to deepen their knowledge, technique, and artistic expression in this specific discipline. Students will hone their technical and artistic abilities in a historical and cultural context, studying the styles of Modern Dance pioneers such as Martha Graham, Lester Horton, Jose Limon, Merce Cunningham, Doris Humphrey, and others. The objective of the class is to further technical training and understanding of this classic dance form. Select classes will be dedicated to dance-specific body conditioning and training. This course may be taken as either a Physical Education or Fine Arts .5 credit.

JAZZ DANCE (235)

Grades: 10, 11, 12

Level 2

Prerequisite: Dance Foundations or Audition

One Semester / .5 Credit

Jazz Dance is a semester-length course designed for students seeking a more in-depth knowledge of the practice and applications of jazz dance. The objective of the class is to explore various jazz dance techniques, further the ways that dance communicates, and build awareness around the impact of dance in society, culture and history. Students will learn technique derived from Gus Giordano and Bob Fosse, as well as learn skills in Musical Theatre and Jazz Funk. These genres will be taught in historical and cultural context and will provide an experimental learning opportunity of dance skills, technique, improvisation, choreography and critical analysis. Over the course of the semester, students will harness their own expressive capabilities and technical skills to collaborate, create, and perform dances, and prepare for additional advanced coursework. This course may be taken as either a Physical Education or Fine Arts .5 credit.

DANCE COMPOSITION (233)

Grades: 10, 11, 12

Level 2

Prerequisites: Dance Foundations and Modern Dance
and/or Jazz Dance

One Semester / .5 Credit

Dance Composition is a semester-long course designed for a dancer that has taken technique class and is looking to enhance their choreographic knowledge and ability. The objective of the class is to foster the artistic voice and development of each student's ability to communicate meaning through choreography and performance. Students will focus on choreography and critical analysis while acquiring a diverse movement vocabulary in the Modern and Jazz Dance styles. Select classes will be dedicated to dance-specific body conditioning and training.

ADVANCED DANCE (234)

Grades: 10, 11, 12

Level 3

Prerequisites: Dance Foundations, Modern Dance,
and Jazz Dance

One Semester / .5 Credit

Advanced Dance is a semester course designed for students seeking a more in-depth knowledge in the practice and applications of dance. The objective of the class is to explore advanced dance techniques, further the ways that dance communicates, and build awareness around the impact of dance in society, culture, and history. Students will learn various conditioning exercises to help improve their technique, strength and flexibility as a dancer such as yoga, Pilates, strength training and floor barre. Following this unit, students will study advanced skills in Ballet, partnering and contemporary dance. These genres will be taught in historical and cultural context and will provide an experimental learning opportunity of dance skills, technique, improvisation, choreography, and critical analysis. Over the course of the semester, students will harness their own expressive capabilities and technical skills to collaborate, create, and perform dances, and prepare for additional advanced

coursework. This Level 3 class provides instruction at an accelerated pace, which allows for opportunities for enrichment and deeper exploration of the subject for students whose skills are well above grade level and who are seeking greater academic challenge.

DANCE TEACHING ASSISTANT (236)

Grades: 11, 12	Pass/Fail
Prerequisites: Interview with Instructor, Dance Foundations, and at least two other dance classes	One Semester / .5 credit

The Dance Teaching Assistant will be responsible for helping the instructor in leading a dance class. The student's responsibilities include demonstration of exercises, assistance with instruction, and any other tasks as needed. The student should have a strong interest in either dance education, dance history, or dance technique. The Dance Teaching Assistant is assigned daily to a dance class.

DRAMA

TECH THEATRE I (276)

Grades: 9, 10, 11, 12	Level 2
Prerequisite: None	One Semester / .5 Credit

This course explores the principles of backstage production, set building and construction, and basics of sound system operation, proper microphone use and placement, and lighting set-up and operation. Students learn proper and safe operation of stage tools and equipment. This course has a strong emphasis in theater vocabulary and scenic work. Students will need to see one theatrical performance outside of school to review. Participation in this course prepares students for the opportunity to aid in running tech for in-school and extra-curricular events.

TECH THEATRE II (278 or 209)

Grades: 9, 10, 11, 12	Level 2 (278), Level 3 (209)
Prerequisite: Tech Theatre I	One Semester / .5 Credit

This course takes students from Tech Theatre I to a more advanced level of involvement, expectation, and competence. Tech Theatre II students take on leadership and responsibility for building sets and expanding their knowledge of sound, lighting, costume and make-up, and design. Stage and tool safety is strongly emphasized. Tech Theatre II students may also assume leadership roles in school productions and assist with in-school liturgies and assemblies. Students will need to see one theatrical performance outside of school to review. Participation in this course prepares students for the opportunity to aid in running tech for in-school, extra-curricular, and Auditorium Rental events. Contracts for Level 3 will involve assuming a leadership role for an expanded building

or implementation project as well as attending a second theatrical performance review outside of school.

TECH THEATRE III (290)

Grades: 11, 12

Level 3

Prerequisite: Tech Theatre II

One Semester / .5 Credit

This course will expand technical skills by teaching students components of scenic, light, and sound design. They will have an active role in the design and implementation for the current school production. Students will learn stage management skills and may be called upon to have an active role in the rehearsals and performances of productions. They will design and lead an expanded design project. Students will be required to see two theatrical performances outside of school to review. Participation in this course prepares students for the opportunity to aid in running tech for in-school, extra-curricular, and Auditorium Rental events. This Level 3 class provides instruction at an accelerated pace, which allows for opportunities for enrichment and deeper exploration of the subject for students whose skills are well above grade level and who are seeking greater academic challenge.

MUSIC

MUSIC FOUNDATIONS (210)

Grades: 9, 10, 11, 12

Level 2

Prerequisite: None

One Semester / .5 Credit

This course is a non-performance class that explores music of various styles through listening and hands-on activities. All styles of music are covered (classical, folk, music theater, jazz, popular, etc.). Investigations of composers and performers integral to the styles are included in the class. Activities include listening, discussions, projects, learning an instrument, and presentations on each style of music.

CONCERT CHOIR (212)

Grades: 9, 10, 11, 12

Level 2

Prerequisite: None

One Year / 1.0 Credit

One Semester / .5 Credit

This course focuses on expanding musical knowledge, improving music reading, and developing singing technique. Students will learn a variety of music styles including sacred, spirituals, Broadway, and popular music. Required performances include the Christmas Concert and Spring Concert.

ORCHESTRA (287 or 289)

Grades: 9, 10, 11, 12
Prerequisites: None

Level 2 (287), Level 3 (289)
One Year / 1.0 Credit
One Semester / .5 Credit

This course develops instrumental skills through rehearsal and performance of a variety of styles of music. Students achieve high levels of competency with their many performance commitments. Orchestra requires participation in the Fall Musical, Christmas Concert, Spring Concert, Graduation, and assemblies, some of which take place outside of school hours. Students who demonstrate above average playing skills may contract to take this course for Level 3 credit. This course meets at 7:00 am.

INSTRUMENTAL MUSIC: GUITAR (238)

Grades: 9, 10, 11, 12
Prerequisite: None

Level 2
One Semester / .5 Credit

Students will learn to read music notation and chord notation while practicing in a group setting as well as independently. As part of the class students will learn to play melodies and chords. The learning of ensemble skills and solo skills will be emphasized in this class through playing duets and as a whole ensemble when possible. Depending on proficiency, they may perform at an assembly or at the music department concert during the semester of the class.

REGINA CHORALE (293)

Grades: 10, 11, 12
Prerequisites: Vocal Audition

Level 3
One Year / 1.0 Credit

Regina Chorale emphasizes vocal independence and stylistic integrity in the performance of music from a variety of historical periods and styles. Students perform in the “Night of Music” and the IHSA Choral competition (when the schedule permits). During the Christmas season, Regina Chorale represents the school through performances at community and school-related functions. Chorale members must commit to a rigorous training and performance schedule. This Level 3 class provides instruction at an accelerated pace, which allows for opportunities for enrichment and deeper exploration of the subject for students whose skills are well above grade level and who are seeking greater academic challenge.

AP MUSIC THEORY (288)

Grades: 11, 12

Prerequisite: None

Level AP

One Year / 1.0 Credit

The AP Music Theory course focuses on concepts and skills emphasized within introductory college music theory courses, with the goal of helping students become sophisticated and thoughtful music listeners, performers, and composers. Musicianship skills, including dictation and listening skills, sight singing, and harmony, are an important part of the course. AP Music Theory students learn to recognize, understand, describe, and produce the basic elements and processes of performed and notated music. To become proficient with these skills, students need to consistently practice applying course concepts through aural analysis, score analysis, sight-singing, dictation, and composition. Although there are no prerequisites for this course, prospective students should be able to read and write musical notation and demonstrate skill in voice or instrumental performance. Students are required to take the Advanced Placement exam in May and a practice exam outside of class time. The cost of the AP exam for this course will be approximately \$95.00.

MATHEMATICS

ALGEBRA I (614)

Grade: 9

Level 1

Prerequisites: None

One Year / 1.0 Credit

This first-year algebra course introduces students to the fundamentals of algebra. Topics include operations with real numbers, polynomials, solving linear equations, quadratic equations, introductory probability inequalities, and applications. Students are introduced to graphing in one and two dimensions. This Level 1 class provides support and accommodations that are appropriate to allow all students to access and master grade-level, college-prep standards.

ALGEBRA I (612)

Grade: 9

Level 2

Prerequisites: None

One Year / 1.0 Credit

This first-year elementary algebra course introduces students to algebraic functions and expressions; solving, graphing, and writing linear equations; solving and graphing linear inequalities; operations with polynomials; solving, graphing, and writing quadratic equations; an introduction to functions, introductory probability and statistics; applications; rational expressions and equations, and radicals.

HONORS ALGEBRA I (615)

Grade: 9

Level 3

Prerequisites: None

One Year / 1.0 Credit

This first-year elementary algebra course introduces students to algebraic functions and expressions; solving, graphing, and writing linear equations; solving and graphing linear inequalities; operations with polynomials; solving, graphing, and writing quadratic equations; an introduction to functions, introductory probability and statistics; applications; rational expressions and equations, and radicals. This course may be taken by qualified junior high students as part of our Accelerated Mathematics Program. This Level 3 class provides instruction at an accelerated pace, which allows for opportunities for enrichment and deeper exploration of the subject for students whose skills are well above grade level and who are seeking greater academic challenge.

GEOMETRY (624)

Grade: 10

Prerequisite: Algebra 1

Level 1

One Year / 1.0 Credit

This course is a fundamental approach to the study of geometry; the course is not proof intensive. Content includes the building blocks of geometry, measurement, coordinate geometry, parallel and perpendicular lines, congruence and similarity of triangles and other polygons, right triangle trigonometry, properties of circles, area, surface area, and volume, and extensions to probability. This course will encourage the student's development of abstract and independent thinking through the use of concrete examples. This Level 1 class provides support and accommodations that are appropriate to allow all students to access and master grade-level, college-prep standards.

GEOMETRY (622)

Grade: 10

Prerequisite: Algebra I

Level 2

One Year / 1.0 Credit

This course takes an intuitive approach to the study of geometry; the course is not proof intensive. Content includes the building blocks of geometry, measurement, coordinate geometry, parallel and perpendicular lines, congruence and similarity of triangles and other polygons, right triangle trigonometry, properties of circles, area, surface area, and volume, and extensions to probability. This course will encourage the student's development of abstract and independent thinking through the use of concrete examples.

HONORS GEOMETRY (625)

Grade: 10

Prerequisite: Algebra I

Level 3

One Year / 1.0 Credit

This course is a rigorous study of the elements of geometry and is proof-intensive. Content includes the building blocks of geometry, measurement, coordinate geometry, parallel and perpendicular lines, congruence and similarity of triangles and other polygons, right triangle trigonometry, properties of circles, area, surface area, and volume, and extensions to probability. This course will encourage the student's development of abstract and independent thinking through the use of concrete examples. This Level 3 class provides instruction at an accelerated pace, which allows for opportunities for enrichment and deeper exploration of the subject for students whose skills are well above grade level and who are seeking greater academic challenge.

ALGEBRA II (634)

Grades: 11

Prerequisites: Algebra I and Geometry

Level 1

One Year / 1.0 Credit

This course is designed for students who need to master the basic algebraic processes and increase problem solving skills. Topics of study include solving equations in one and two variables, graphing linear equations and inequalities, solving quadratic equations by various methods, and applications involving problem solving. This course will continue to utilize technology whenever possible including the use of a graphing calculator. Project based learning activities will be incorporated. This Level 1 class provides support and accommodations that are appropriate to allow all students to access and master grade-level, college-prep standards.

ALGEBRA II (632)

Grades: 11

Prerequisites: Algebra I and Geometry

Level 2

One Year / 1.0 Credit

This course begins with a more in depth study of many topics from Algebra I and progresses to more advanced material. Emphasis is placed on graphing in the coordinate plane for many different types of functions, inequalities and conic sections. Students will study the quadratic equation in detail, including the study of imaginary solutions. Use of technology, especially the graphing calculator, will be an important aspect of this course. Project based learning activities will be incorporated.

HONORS ALGEBRA II/TRIGONOMETRY (635)

Grades: 9, 10, 11

Prerequisites: Algebra I and Geometry or
Proficiency in Algebra I

Level 3

One Year / 1.0 Credit

This course is fast-paced and designed for high-ability students. The set of real numbers and their properties is explored. The fundamental operations with polynomials are reviewed and extended. The concepts of relation and function are developed with emphasis on linear and quadratic functions, exponential and logarithmic functions, and trigonometric functions. Students are introduced to the Unit Circle and will study analytic trigonometry: proving trigonometric identities, solving trigonometric equations, and graphing trigonometric functions. Technology and project based learning will be utilized. This Level 3 class provides instruction at an accelerated pace, which allows for opportunities for enrichment and deeper exploration of the subject for students whose skills are well above grade level and who are seeking greater academic challenge.

INTERMEDIATE ALGEBRA (644)

Grade: 12

Prerequisites: Algebra II

Level 1

One Year / 1.0 Credit

Intermediate Algebra begins with a study of the real number system, which leads to a review of basic Algebra concepts. This is followed by linear equations and inequalities, systems of linear equations, polynomials, rational expression and equations, rational exponents, exponents, and quadratic equations. Graphing calculator technology will be integrated into the course curriculum. Students will complete various projects which provide practical applications throughout the second semester. This Level 1 class provides support and accommodations that are appropriate to allow all students to access and master grade-level, college-prep standards.

STATISTICS (641)

Grade: 10, 11, 12

Prerequisites: Algebra II

Level 2

One Semester / .5 Credit

This course is an introductory study of probability and statistics. Topics to be studied include gathering, organizing, and analyzing data, rules of probability and types of probability distributions, confidence intervals, hypothesis testing and linear correlation/regression.

PRECALCULUS (642)

Grades: 11, 12

Prerequisites: Algebra II

Level 2

One Year / 1.0 Credit

This course emphasizes the study of functions. Linear, polynomial, rational, exponential, and trigonometric functions with graphing and applications are studied. Also studied are the basic laws of probability, logarithmic equations, and use of matrix operations. Graphing calculator technology will be utilized. Project based learning activities will be incorporated.

HONORS PRECALCULUS (645)

Grades: 11, 12

Prerequisites: Honors Algebra II/Trig (635) or
Proficiency in Unit Circle Trigonometry

Level 3

One Year / 1.0 Credit

This course is fast-paced and designed for high-ability students. It is intended to provide a rigorous and in-depth study of Precalculus topics and will prepare students for college-level calculus. Topics presented include the continued study of functions; algebraic, polynomial, power, exponential, logarithmic, logistic, and trigonometry (including identities), complex numbers, vectors, polar coordinates, conic sections, sequences and series, and an introduction to limits. Real-life applications will be explored using a variety of technology. Project based learning will be incorporated. This Level 3 class provides instruction at an accelerated pace, which allows for opportunities for enrichment and

deeper exploration of the subject for students whose skills are well above grade level and who are seeking greater academic challenge.

AP CALCULUS AB (653)

Grade: 11, 12

Level AP

Prerequisites: Completion of or Proficiency in
Honors PreCalculus 645

One Year / 1.0 Credit

AP Calculus AB is designed to be the equivalent of a first semester college calculus course devoted to topics in differential and integral calculus. Students cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions. A sustained emphasis on clear communication of methods, reasoning, justifications, and conclusions is essential. Students are required to take the Advanced Placement exam in May. The cost of the AP exam for this course will be approximately \$95.00.

AP CALCULUS BC (654)

Grade 11, 12

Level AP

Prerequisite: Completion of AB Calculus and/or equivalent

One Year / 1.0 Credit

AP Calculus BC is designed to be the equivalent to both first and second semester college calculus courses. AP Calculus BC applies the content and skills learned in AP Calculus AB to parametrically defined curves, polar curves, and vector-valued functions; develops additional integration techniques and applications; and introduces the topics of sequences and series. The course features a multi-representational approach to calculus, with concepts, results, and problems expressed graphically, numerically, analytically, and verbally. Exploring connections among these representations builds understanding of how calculus applies limits to develop important ideas, definitions, formulas, and theorems. A sustained emphasis on clear communication of methods, reasoning, justifications, and conclusions is essential. Students are required to take the Advanced Placement exam in May and a practice exam outside of scheduled class time. The cost of the AP exam for this course will be approximately \$95.00.

FOUNDATIONS OF ENGINEERING (657 or 659)

Grade: 10, 11, 12

Level: 2 (657), Level 3 (659)

Prerequisite: Enrollment in a Level 2 or Level 3
Mathematics class

One Semester / .5 Credit

This course gives students the opportunity to do hands-on, directed, project-based learning activities in the STEAM lab. Students will learn about and follow the Engineering Design Process used by professional engineers. Individual and group assignments will be completed in the areas of Design

Thinking, 3-D printing, engineering drawing, coding and 3-dimensional construction. Other projects may be included. Students will learn about the field of engineering and the various disciplines within the engineering profession. Other possible activities include field trips to manufacturing facilities and universities, visits from alumnae studying or working in the STEAM fields, and interactions with professional organizations such as the Society of Women Engineers. This course can be taken for either Mathematics or Science credit.

INTRODUCTION TO ENGINEERING DESIGN (661) - PLTW

Grades: 10, 11, 12

Level 3

Prerequisite: Foundations of Engineering

One Semester / .5 Credit

10th and 11th Grade: Enrollment in a Level 2 or Level 3 Mathematics class

This course is a continuation of the Foundations of Engineering (formerly titled *Principles of Engineering*) course. This course utilizes the Project Lead the Way (PLTW) curriculum from its Engineering Program. Students build on the skills learned in Foundations of Engineering with a greater focus on the design process. Emphasis is placed on the creation of technical sketching and drawing, the documentation of the design process, and the communication of design solutions. Students will design using CAD software. This course can be taken for either Mathematics or Science credit.

AP COMPUTER SCIENCE PRINCIPLES (655)

Grades: 10, 11 and 12

Level AP

Prerequisite: Completion of or proficiency in

One Year / 1.0 Credit

Honors Geometry 625 or Geometry 622

The AP Computer Science Principles course is designed to be equivalent to a first- semester introductory college computing course. In this course, students will develop computational thinking skills vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. The course engages students in the creative aspects of the field by allowing them to develop computational artifacts based on their interests. Students will also develop effective communication and collaboration skills by working individually and collaboratively to solve problems, and will discuss and write about the impacts these solutions could have on their community, society, and the world. Students are required to take the Advanced Placement exam in May and a practice exam outside of scheduled class time. The cost of the AP exam for this course will be approximately \$95.00.

PHYSICAL EDUCATION & HEALTH

PHYSICAL EDUCATION I (901)

Grade: 9

Level 2

Prerequisite: None

One Semester / .5 Credit

This course is designed to give students the opportunity to learn and develop fundamental skills and strategies of individual and dual activities, as well as fitness concepts and conditioning techniques used for achieving and maintaining optimal physical fitness. This course includes: lecture, activity sessions and mini-projects. Activities include: team building, floor hockey, volleyball, soccer, softball, badminton and basketball. With the introduction to fitness activities including: aerobic training, balance training, strength training, weight training, high intensity interval training and yoga.

PHYSICAL EDUCATION II (902)

Grade: 10

Level 2

Prerequisite: Physical Education I

One Semester / .5 Credit

This course is a continuation of Physical Education 1, which may include instruction in the following areas: team building, flag football, basketball, floor hockey, pickleball, badminton and volleyball. Advanced fitness activities including: aerobic training, balance training, strength training, weight training, high intensity interval training and yoga. This course includes: lecture, activity sessions and mini-projects.

HEALTH (915)

Grade: 9, 10

Level 2

Prerequisites: None

One Semester / .5 Credit

This course is designed to help students examine lifestyles, select goals, and make plans to achieve and maintain optimum health. Students will understand the lifelong process of physical, intellectual, emotional, and social growth. The first half of the course takes a deeper look at health skills, nutrition, alcohol/drug awareness, healthy relationships, bullying as well as social media usage. The second half of the course focuses on reproduction, human sexuality, bodily systems, first aid, communicable and chronic diseases. This course is a state requirement for graduation.

PHYSICAL EDUCATION TEACHING ASSISTANT (920)

Grades: 11, 12

Pass/Fail

Prerequisites: Physical Education I and II
Interview with Instructor

One Semester / .5 Credit

The Physical Education Teaching Assistant will assist in a PE I or II class. The student's responsibility consists of setting up and removing equipment, officiating, warm-up activities, leading stretching exercises, skill demonstration, and skill assistance to members of the class. The student is assigned daily to a PE I or II class. CPR is recommended but not required.

DANCE FOUNDATIONS (926)

Grades: 10, 11, 12

Level 2

Prerequisite: None

One Semester / .5 Credit

Dance Foundations is a semester-long course designed for students seeking foundational knowledge in the practice and applications of dance. The objective of the class is to explore and learn beginning dance techniques and build awareness around the impact of dance in society, culture, and history. Students will study Ballet, Jazz, Modern, Ugandan, and Hip Hop Dance techniques, as well as an introduction to dance improvisation. These genres will be taught in historical and cultural context and will provide an experiential learning opportunity of dance skills, techniques, improvisation, choreography, and critical analysis. Over the course of the semester, students will harness their own expressive capabilities and technical skills to collaborate, create, and perform dances, and prepare for additional advanced coursework. This course may be taken as either a Physical Education or Fine Arts .5 credit.

MODERN DANCE (932)

Grades: 10, 11, 12

Level 2

Prerequisites: Dance Foundations or Audition

One Semester / .5 Credit

Modern Dance is a semester-long course designed for students who have had an introduction to Modern Dance techniques through Dance Foundations and are looking to deepen their knowledge, technique, and artistic expression in this specific discipline. Students will hone their technical and artistic abilities in a historical and cultural context, studying the styles of Modern Dance pioneers such as Martha Graham, Lester Horton, Jose Limon, Merce Cunningham, Doris Humphrey, and others. The objective of the class is to further technical training and understanding of this classic dance form. Select classes will be dedicated to dance-specific body conditioning and training. This course may be taken as either a Physical Education or Fine Arts .5 credit.

JAZZ DANCE (935)

Grades: 10, 11, 12

Level 2

Prerequisite: Dance Foundations or Audition

One Semester / .5 Credit

Jazz Dance is a semester-length course designed for students seeking a more in-depth knowledge of the practice and applications of jazz dance. The objective of the class is to explore various jazz dance techniques, further the ways that dance communicates, and build awareness around the impact of dance in society, culture and history. Students will learn technique derived from Gus Giordano and Bob Fosse, as well as learn skills in Musical Theatre and Jazz Funk. These genres will be taught in historical and cultural context and will provide an experimental learning opportunity of dance skills, technique, improvisation, choreography and critical analysis. Over the course of the semester, students will harness their own expressive capabilities and technical skills to collaborate, create, and perform dances, and prepare for additional advanced coursework. This course may be taken as either a Physical Education or Fine Arts .5 credit.

SCIENCE

BIOLOGY (714)

Grade: 9, 10, 11

Level 1

Prerequisites: None

One Year / 1.0 Credit

This course is designed to familiarize students with the main topics in biology including anatomy, physiology, ecology, cellular biology, genetics, evolution and the study of the six kingdoms of life. Laboratory work is an integral part of this course, with emphasis on technique and application of the scientific method. This course discusses the general concepts covered, and makes connection between the topics covered and daily life, as well as emphasizes the application of the material to daily life. This Level 1 class provides support and accommodations that are appropriate to allow all students to access and master grade-level, college-prep standards.

BIOLOGY (712)

Grades: 9, 10, 11

Level 2

Prerequisites: None

One Year / 1.0 Credit

This life science course includes cell biology, genetics, evolution, and an introduction to classification systems and zoology. Laboratory work is a significant component using guided inquiry to teach the scientific method and basic lab techniques, preparing the student for future science courses, culminating in a dissection at the end of the year. The students will do an investigative project second semester demonstrating the connection between science, technology, and society.

HONORS BIOLOGY (716)

Grades: 9, 10

Level 3

Prerequisites: None

One Year / 1.0 Credit

The scope of this honors course includes cellular and molecular biology, basic organic chemistry, cellular respiration, photosynthesis, classification, genetics, and evolution. The laboratory portion requires hands-on and simulation activities emphasizing the similarities and differences among all life forms, and the dynamics of the living world. Lab experiences emphasize the nature of science as a process and have a large inquiry basis. This course is intended for students with superior ability and high motivation, and requires a great deal of independent learning and discovery. This Level 3 class provides instruction at an accelerated pace, which allows for opportunities for enrichment and deeper exploration of the subject for students whose skills are well above grade level and who are seeking greater academic challenge.

AP BIOLOGY (718) & AP BIOLOGY LAB (717)

Grades: 11, 12

Prerequisites: Biology and Chemistry

Level AP

One Year / 2.0 Credits

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information storage and transfer, ecology, and system interactions. Laboratory work, with an emphasis on inquiry-based investigations, provides students with opportunities to apply the science practices. Students are required to take the Advanced Placement exam in May and a practice exam outside of scheduled class time. The cost of the AP exam for this course will be approximately \$95.00. AP Biology and AP Biology Lab must be taken concurrently.

PHYSICAL SCIENCE (770)

Grades 10, 11

Prerequisites: Biology

Level 1

One Year / 1.0 Credit

Physical Science is an introductory course intended for students who have an interest in learning general information about chemistry and physics. Some of the topics covered include the scientific method, measurement, properties of matter, acids and bases, salts, energy, forces, motion, sound, light and electricity. Lab work and lab writing are an integral part of this course. This Level 1 class provides support and accommodations that are appropriate to allow all students to access and master grade-level, college-prep standards.

CHEMISTRY (724)

Grades: 10, 11, 12

Prerequisites: Algebra and Biology

Level 1

One Year / 1.0 Credit

This laboratory course is designed to include a study of mixtures, compounds, atomic structure, periodicity, bonding, chemical formulas and equations, solutions, acid-base chemistry and selected topics in nuclear chemistry with an emphasis on application in daily life. This course is less mathematical and more qualitative in its approach to chemistry. This Level 1 class provides support and accommodations that are appropriate to allow all students to access and master grade-level, college-prep standards.

CHEMISTRY (722)

Grades: 10, 11, 12

Prerequisites: Algebra and Biology

Level 2

One Year / 1.0 Credit

This is an introductory chemistry course including a study of mixtures, compounds, atomic structure, bonding, chemical reactions, stoichiometry, gas laws, solutions, heats of reaction, kinetics, acid-base

chemistry, equilibrium, and other topics. The approach is both quantitative and qualitative; laboratory experiments develop many of the topics covered. Technology is used for classroom work, data collection and manipulation, and a project involving repurposing disposable materials is included.

HONORS CHEMISTRY (726)

Grades: 10, 11, 12

Prerequisites: Algebra and Biology

Level 3

One Year / 1.0 Credit

This is an introductory chemistry course including a study of mixtures, compounds, atomic structure, bonding, chemical reactions, stoichiometry, gas laws, solutions, heats of reaction, kinetics, acid-base chemistry, equilibrium, and other topics. The approach is both quantitative and qualitative. Laboratory experiments develop many of the topics covered. Technology is used for classroom work, data collection and manipulation, and a project involving repurposing disposable materials is included. This course is designed for those students with a stronger mathematics background. Topics are covered in greater depth, and with more laboratory activities, requiring strong analytical and critical thinking skills. This Level 3 class provides instruction at an accelerated pace, which allows for opportunities for enrichment and deeper exploration of the subject for students whose skills are well above grade level and who are seeking greater academic challenge.

AP CHEMISTRY (728) & AP CHEMISTRY LAB (727)

Grades: 11, 12

Prerequisites: Algebra and Chemistry

Level AP

One Year / 2.0 Credits

The AP Chemistry course provides students with an introductory college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations as they explore scale, proportion, and quantity; structure and properties of substances; transformations; and energy. Content includes: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. Students engage in a minimum of 16 hands-on labs. Students are required to take the Advanced Placement exam in May and a practice exam outside of scheduled class time. The cost of the AP exam for this course will be approximately \$95.00. AP Chemistry and AP Chemistry Lab must be taken concurrently.

ENVIRONMENTAL SCIENCE I (730)

Grades: 10, 11, 12

Prerequisites: Biology

Level 2

One Semester / .5 Credit

This is a semester course focused on environmental issues and the interactions among the living components of ecosystems. Topics include sustainability, chemical cycling, respiration, photosynthesis, interdependence, and ecology. Each unit addresses not only the specifics of a particular topic, but also explores current problems related to human impact and possible solutions

to these problems including renewable resources. The main focus of the course is to encourage students to develop an awareness of their environment and actions, and to develop opinions and possible solutions to environmental concerns. Lab work and technology are integral parts of this course.

ENVIRONMENTAL SCIENCE II (733)

Grades: 10, 11, 12

Level 2

Prerequisites: Biology

One Semester / .5 Credit

This is a semester course focused on environmental issues and non-living aspects of ecosystems. Topics include non-renewable energy sources, climate, and severe weather occurrences. Each unit addresses not only the specifics of a particular topic, but also explores current problems related to human impact and possible solutions to these problems. The main focus of the course is to encourage students to develop an awareness of their environment and actions, and to develop opinions and possible solutions to environmental concerns. Lab work and technology are integral parts of this course. Completion of Environmental Science I (730) is encouraged but not required.

PHYSICS (732)

Grades: 11, 12

Level 2

Prerequisites: Concurrent Enrollment in or Completion of Algebra II

One Year / 1.0 Credit

This Physics course provides the students with a traditional high school program of study. This course treats Physics conceptually which means concepts are presented in familiar terms with equations as “guides to thinking.” Comprehension of concepts before calculations is the key to understanding. Topics covered include mechanics, waves, sound, light, electricity and magnetism. Through laboratory work, students apply the knowledge they have learned in the classroom to actual physical situations.

HONORS PHYSICS (736)

Grades: 11, 12

Level 3

Prerequisites: Concurrent Enrollment in/or Completion of Honors Algebra 2/Trigonometry 635

One Year / 1.0 Credit

This Physics course provides the students with a traditional high school program of study. This course treats Physics conceptually which means concepts are presented in familiar terms with equations as “guides to thinking.” Comprehension of concepts before calculations is the key to understanding. Topics covered include mechanics, waves, sound, light, electricity and magnetism. Through laboratory work, students apply the knowledge they have learned in the classroom to actual physical situations. Topics are covered in more depth, at a faster pace, and with a greater emphasis on critical thinking and problem-solving skills. This Level 3 class provides instruction at an accelerated

pace, which allows for opportunities for enrichment and deeper exploration of the subject for students whose skills are well above grade level and who are seeking greater academic challenge.

AP PHYSICS I - ALGEBRA BASED (740)

Grades: 11, 12

Level AP

Prerequisites: Completion of or Proficiency in
Honors Algebra 2/Trigonometry 635

One Year / 1.0 Credit

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: kinematics, dynamics, circular motion and gravitation, energy, momentum, simple harmonic motion, torque and rotational motion, electric charge and electric force, DC circuits, and mechanical waves and sound. Inquiry-based laboratory experiences provide opportunities for students to engage in the seven science practices as they design plans for experiments, make predictions, collect and analyze data, apply mathematical routines, develop explanations, and communicate about their work. Students are required to take the Advanced Placement exam in May and a practice exam outside of scheduled class time. The cost of the AP exam for this course will be approximately \$95.00.

ANATOMY & PHYSIOLOGY (742 or 748)

Grades: 11, 12

Level 2 (742), Level 3 (748)

Prerequisites: Biology and Chemistry

One Year / 1.0 Credit

This is a comprehensive study of all human organ systems and is ideal preparation for students interested in pursuing a career in the health sciences. Laboratory requirements consist of physiological and anatomical investigations, including an animal dissection. Special attention is given to the application of knowledge for diagnosis and treatment of disease processes. Students will contract with the instructor for Level 3 credit. This Level 3 class provides instruction at an accelerated pace, which allows for opportunities for enrichment and deeper exploration of the subject for students whose skills are well above grade level and who are seeking greater academic challenge.

ASTRONOMY (751)

Grades: 11, 12

Level 2

Prerequisite: None

One Semester / .5 Credit

Astronomy is an introductory one-semester course which combines lecture, laboratory, and hands-on activities. Designed for all students, this course will focus on conceptual rather than quantitative approaches to the science of stars, planets, comets and galaxies. This course will be offered during the 2021 - 2022 school year.

SCIENCE LAB TEACHING ASSISTANT (775)

Grades: 11, 12

Prerequisites: Biology and Chemistry

Interview with the Instructor

Pass/Fail

One Semester / .25 credit

The Science Teaching Assistant works in the science laboratories under the supervision of science faculty to prepare and clean up experiments, organize equipment and supplies, and maintain inventory. The time commitment is one or two periods per week during their study period.

GEOLOGY (758)

Grades: 11, 12

Prerequisite: Chemistry

Level 2

One Semester / .5 Credit

Geology is a semester-long introductory course organized around the concept of plate tectonics. The course will cover the formation and history of the earth. Forces that have shaped the Earth including causes of subduction, continental rifting, formation of new oceanic lithosphere, mountain building, types of faults, earthquakes, hot spots and paleomagnetism will be discussed. Geologic time including absolute dating and the principles of relative dating will be covered. Students will learn about the evolution of life on Earth during the Precambrian, Paleozoic, Mesozoic, and Cenozoic eras.

FORENSIC SCIENCE I: BIOLOGICAL EVIDENCE (760)

Grades: 11, 12

Prerequisite: Biology and Chemistry

Level 2

One Semester / .5 Credit

This course looks at the laboratory science behind the investigation of crime scene biological evidence. Using the scientific method, students learn how to process the crime scene and collect evidence for laboratory analysis. Forensic Science deals with many of the underlying themes of biology such as cell structure and function, behavior, life processes, anthropology and human systems. The biology of plants, animals, fungi, pollen and spores, etc. is also studied. Some of the biology concepts taught through laboratory work: life cycle of an organism, blood, fingerprints, the composition of blood and physical analysis of blood spatter hair, plants, genetics and DNA analysis, biometrics, bone analysis, death and conditions of a dead body. The study of mental processes and behavior, including the emotional and behavioral characteristics of an individual group, society or activity are part of these investigations.

FORENSIC SCIENCE II: PHYSICAL EVIDENCE (762)

Grades: 11, 12

Prerequisite: Geometry and Chemistry

Level 2

One Semester / .5 Credit

This course looks at the laboratory science behind the investigation of crime scene physical evidence. Using the scientific method, students will learn how to process the crime scene and collect evidence

for laboratory analysis. Earth Science, Chemistry and Physics provide the main sources for laboratory investigations. Some of the laboratory investigations involve fibers and textiles, the physical analysis of blood spatter, handwriting analysis, forgery and counterfeiting, soil examination, glass evidence, casts and impressions, tool marks and ballistics. The student will gain in-depth practice in multiple laboratory techniques. The study of mental processes and behavior, including the emotional and behavioral characteristics of an individual group, society or activity are part of these investigations.

FOUNDATIONS OF ENGINEERING (757 or 759)

Grade: 10, 11, 12

Level: 2 (757), Level 3 (759)

Prerequisite: Enrollment in a Level 2 or Level 3
Mathematics class

One Semester / .5 Credit

This course gives students the opportunity to do hands-on, directed, project-based learning activities in the STEAM lab. Students will learn about and follow the Engineering Design Process used by professional engineers. Individual and group assignments will be completed in the areas of Design Thinking, 3-D printing, engineering drawing, coding and 3-dimensional construction. Other projects may be included. Students will learn about the field of engineering and the various disciplines within the engineering profession. Other possible activities include field trips to manufacturing facilities and universities, visits from alumnae studying or working in the STEAM fields, and interactions with professional organizations such as the Society of Women Engineers.

INTRODUCTION TO ENGINEERING DESIGN (761) - PLTW

Grades: 10, 11, 12

Level 3

Prerequisite: Foundations of Engineering

One Semester / .5 Credit

Grades 10-11: Enrollment in a Level 2 or Level 3 Mathematics class

This course is a continuation of the Foundations of Engineering (formerly titled *Principles of Engineering*) course. This course utilizes the Project Lead the Way (PLTW) curriculum from its Engineering Program. Students build on the skills learned in Foundations of Engineering with a greater focus on the design process. Emphasis is placed on the creation of technical sketching and drawing, the documentation of the design process, and the communication of design solutions. Students will design using CAD software. This course can be taken for either Mathematics or Science credit. This Level 3 class provides instruction at an accelerated pace, which allows for opportunities for enrichment and deeper exploration of the subject for students whose skills are well above grade level and who are seeking greater academic challenge.

SOCIAL STUDIES

WORLD HISTORY (808)

Grade: 9

Level 1

Prerequisites: None

One Year / 1.0 Credit

Through the use of inquiry skills, students will develop an understanding of the development of human civilization from prehistoric times to the late 20th century. Key themes of this course include the evolution of Western Civilizations, the causes and results of major wars, cultural impacts of imperialism and global connections, and the role of government in the lives of people. This course focuses on skill development, including note-taking, outlining, critical reading, using electronic resources, and developing vocabulary in the content area. With significant instructional support, students will develop strategies to read and summarize historical documents. This Level 1 class provides support and accommodations that are appropriate to allow all students to access and master grade-level, college-prep standards.

WORLD HISTORY (813)

Grade: 9

Level 2

Prerequisites: None

One Year / 1.0 Credit

Through the use of inquiry skills, students will develop an understanding of the development of human civilization from prehistoric times to the late 20th century. Key themes of this course include the evolution of Western Civilizations, the causes and results of major wars, cultural impacts of imperialism and global connections, and the role of government in the lives of people. With some instructional support, students will read, summarize, and draw conclusions based on historical documents; employ note-taking and outlining; and use electronic resources for research in the content area.

HONORS WORLD HISTORY (816)

Grade: 9

Level 3

Prerequisite: None

One Year / 1.0 Credit

Through the use of inquiry skills, students will develop an understanding of the development of human civilization from prehistoric times to the late 20th century. Key themes of this course include the evolution of Western Civilizations, the causes and results of major wars, cultural impacts of imperialism and global connections, and the role of government in the lives of people. Students will employ note-taking and outlining and use electronic resources for research in the content area. Students will demonstrate an understanding of primary and secondary sources through frequent written analysis and are expected to engage in independent inquiry with an emphasis on critical thinking and synthesis of content. This Level 3 class provides instruction at an accelerated pace,

which allows for opportunities for enrichment and deeper exploration of the subject for students whose skills are well above grade level and who are seeking greater academic challenge.

U.S. HISTORY (818)

Grade: 10

Level 1

Prerequisite: None

One Year / 1.0 Credit

This course stresses the objective of discovering a balanced perspective of the past so as to focus on the present. It includes an analysis of America's early beginnings, the movement toward independence, and the formation of a democratic government. Students will broaden their understanding of the interplay among the political, economic, and social factors that define U.S. History and our Nation. Students will use current multimedia resources and developing technology. This course focuses on skill development, including note-taking, outlining, critical reading, using electronic resources, and developing vocabulary in the content area. With significant instructional support, students will develop strategies to read and summarize historical documents. This Level 1 class provides support and accommodations that are appropriate to allow all students to access and master grade-level, college-prep standards.

U.S. HISTORY (822)

Grade: 10

Level 2

Prerequisite: None

One Year / 1.0 Credit

This course stresses the objective of discovering a balanced perspective of the past so as to focus on the present. It includes an analysis of America's early beginnings, the movement toward independence, and the formation of a democratic government. Students will broaden their understanding of the interplay among the political, economic, and social factors that define U.S. History and our Nation. Students will use current multimedia resources and developing technology. With some instructional support, students will employ note-taking and outlining to improve critical reading skills and use electronic resources for research in the content area. Students will read, analyze, and draw conclusions based on historical documents.

AP U.S. HISTORY (823)

Grade: 10

Level AP

Prerequisite: None

One Year / 1.0 Credit

In AP U.S. History, students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change. The course also provides eight themes that students explore

throughout the course in order to make connections among historical developments in different times and places: American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures. Students are required to take the Advanced Placement exam in May and a practice exam outside of scheduled class time. The cost of the AP exam for this course will be approximately \$95.00. Although there are no prerequisites for the course, prospective students should be able to read a college-level textbook and write grammatically correct, complete sentences.

CONTEMPORARY ISSUES (834)

Grades: 11, 12

Level 2

Prerequisite: None

One Semester / .5 Credit

Contemporary Issues introduces students to various issues facing the world today. Students will explore global economic systems, human rights, world health, environmental issues, and the role of the United States and the United Nations in a changing world. This class is designed to eliminate much of the confusion surrounding these issues and allow students to form their own opinions on matters that affect their world. Students will evaluate the issues and propose solutions from a variety of perspectives.

CONSUMER ECONOMICS (838)

Grades: 11, 12

Level 2

Prerequisite: None

One Semester / .5 Credit

Economics is the discipline of studying how individuals and groups use their resources, such as time, money and energy. By completing this course students become empowered and effective economic actors and become more fully prepared to optimally function in American society. Knowledge of economics creates a foundation for understanding how the American economy operates as well as how to be an efficient and intelligent producer and consumer. Course objectives are accomplished by educating students about life-important skills, abilities and knowledge such as job-searching, resume writing, budgeting, understanding and investing in the stock market, credit, insurance, taxes and advertising. Activities, assessments and instruction will vary in order to provide students with the opportunities to learn and display understanding in a variety of fashions. Students will complete several projects focusing on life planning, job searching and advertising.

SOCIOLOGY (841)

Grades: 11, 12

Prerequisite: None

Level 2

One Semester / .5 Credit

Sociology is the scientific study of social structure and in this course students will explore human group behavior and how the world around them is categorized according to Sociology. This goal is accomplished by understanding the concepts of groups, culture, social structure, race, gender, family, education, religion and sport. With these understandings, students analyze different aspects of society using sociology to gain insight as to how individuals and groups develop these concepts and how they influence the functionality and variation among societies. This course will be offered during the 2021-2022 school year.

AMERICAN LEGAL STUDIES (851)

Grade: 11, 12

Prerequisite: None

Level 2

One Semester / .5 Credit

American Legal Studies is a semester long elective that serves as an introductory course to law and legal systems in the United States. Units will include an introduction to law, Constitutional law, criminal law and the criminal justice process, and civil law (torts, contracts and family law). This course will give students a better understanding of law and how it affects real life.

AP PSYCHOLOGY (855)

Grade: 11, 12

Prerequisite: None

Level AP

One Year / 1.0 Credit

The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatments of psychological disorders, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, evaluate claims and evidence, and effectively communicate ideas. Although there are no prerequisites for the course, prospective students should be able to read a college-level textbook and write grammatically correct, complete sentences. Students are required to take the Advanced Placement exam in May and a practice exam outside of scheduled class time. The cost of the AP exam for this course will be approximately \$95.00.

U.S. GOVERNMENT AND POLITICS (846)

Grade: 12

Prerequisite: None

Level 2

One Semester / .5 Credit

Students examine the American system of government with special emphasis on the three branches of government at the national and state level, the gap between political theories and political behavior, the realities and paradoxes of American elections, and the role of public opinion in American politics. Students critically analyze current events, newspaper articles, and a variety of technological resources. This course fulfills the state requirement of Civics.

AP U.S. GOVERNMENT AND POLITICS (848)

Grade: 12

Prerequisites: None

Level AP

One Semester / .5 Credit

AP U.S. Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behaviors. They will also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. In addition, they will complete a political science research or applied civics project. This course fulfills the state requirement of Civics. Although there are no prerequisites for the course, prospective students should be able to read a college-level textbook and write grammatically correct, complete sentences. Students are required to take the Advanced Placement exam in May and a practice exam outside of scheduled class time. The cost of the AP exam for this course will be approximately \$95.00.

THEOLOGY

FOUNDATIONS OF FAITH (012)

Grade: 9

Level 2

Prerequisite: None

One Semester / .5 Credit

This course can be considered a survey or introduction to Catholicism. Touching on the major tenets of the faith, this course will challenge students to examine and reflect on their lives and relationships through a Catholic lens. This course will introduce students to important elements of Catholicism, including the life of Jesus, the Church, the Bible, and the Catholic Mass. Students will explore the Divine Revelation, Salvation History, and what it means to be Catholic.

HEBREW SCRIPTURE (013)

Grade 9

Level 2

Prerequisite: None

One Semester / .5 Credit

This course covers substantial material in the Hebrew Scriptures or Old Testament. Throughout the course, students will read scripture and identify and analyze the major themes and issues contained in the Old Testament. Students will identify divine revelation throughout the Old Testament, reflect on biblical truths and how they may apply to their own lives, and develop a deeper understanding of how God has worked in human history and prepared the world for his Incarnation.

CHRISTIAN SCRIPTURE (021)

Grade: 10

Level 2

Prerequisites: None

One Semester / .5 Credit

This course covers substantial material in the Christian Scriptures or New Testament. Students will read scripture and analyze the major themes to understand the meaning of "Jesus of History, Christ of Faith." Topics include the origins, purpose, and meaning of Christian Scripture, especially the synoptic Gospels; Jesus the Christ's historical reality and life in the first century of the Common Era; and the subsequent development of early Christianity. Students will reflect on the meaning of the Scriptures, both for the time of Jesus as well as for our modern world.

SACRAMENTS (023)

Grade 10

Level 2

Prerequisites: None

One Semester / .5 Credit

This course explores the seven Sacraments of the Catholic Church and their role in Salvation in the Catholic Faith. Students will explore the historical and theological themes within the Sacraments. The

course also offers a brief look at Church Tradition and history. Other topics include the meanings of sign, symbol, and grace. Students will reflect on the Church's function as the sacrament of Jesus to the world.

CATHOLIC SOCIAL TEACHING (032 or 033)

Grade: 11

Level 2 (032), Level 3 (033)

Prerequisites: None

One Semester / .5 Credit

This course examines and reflects upon the Church's mission of social justice. Students will explore the seven themes of social justice, reflect on the meanings of charity and justice, and identify the Catholic responses to suffering. Students will learn about the Church's teachings on various social issues and learn to apply these teachings to contemporary issues. Topics include the development of Catholic Social Teaching, life issues, violence and discrimination, and American and global poverty. Juniors may contract to take this course for Level 3 credit.

MORALITY (034 or 035)

Grade 11

Level 2 (034), Level 3 (035)

Prerequisites: None

One Semester / .5 Credit

This course focuses on themes surrounding morality, viewed through the lens of the cardinal virtues. Students will reflect on the questions: "What kind of person am I?" and "What kind of person do I want to become?" Students will explore the Christian vision of morality and recognize the sources of help available on their journey. They will reflect on moral virtues in the Christian life and learn to apply those values to their own decisions and experiences. Juniors may contract to take this course for Level 3 credit.

WORLD RELIGIONS (041 or 042)

Grade: 12

Level 2 (041), Level 3 (042)

Prerequisites: None

One Semester / .5 Credit

This course introduces students to some of the world's major religious traditions. Through the study of world religions, students will become better acquainted with the basic dimensions of those faith traditions, including the historical foundations, major teachings and doctrines, beliefs about the human condition and spiritual fulfillment, and important celebrations and rituals. Students will learn about the answers that each religion offers to those deep and fundamental human "religious questions." As a result of this course, students will gain an enhanced understanding of the people who adhere to various religions. Seniors may contract to take this course for Level 3 credit.

THE CATHOLIC SPIRIT (O45 or O50)

Grade: 12

Prerequisites: None

Level 2 (O45), Level 3 (O50)

One Semester / .5 Credit

This course will explore both Christian teachings and the experience of being Catholic through several channels: film, literature, music, and art. Through this course, students will learn that the Catholic faith has been handed on through a variety of media in addition to scripture. Students will reflect on the Catholic belief that the Holy Spirit continues to work in many ways, from high art to a song on the radio, in order to bring humanity closer to God. Topics include the Creed, Christian Mystery, Prayer, and Morality. Seniors may contract to take this course for Level 3 credit.

WOMEN'S SPIRITUALITY (O48 or O49)

Grade: 12

Prerequisites: None

Level 2 (O48), Level 3 (O49)

One Semester / .5 Credit

This course examines a variety of Catholic women who have led by their own holy example. Students will explore how female saints have contributed to the Church through their writings, mystical experiences, theological development, and often with their very lives. With a heavy emphasis on primary sources, the course explores the lives of women saints throughout the ages along with several contemporary examples of what it means to be a holy woman in our modern world. Seniors may contract to take this course for Level 3 credit.

CHRISTIAN, CATHOLIC, CHARISM (O55 or O56)

Grade: 12

Prerequisites: None

Level 2 (O55), Level 3 (O56)

One Semester / .5 Credit

This course will explore the sacred nature of the Church as the living Body of Christ. Students will reflect on their personal roles as part of that Body in today's world. Students will explore the origins and mission of the Christian faith from Christ through the Apostles and sustained by the Holy Spirit today. Students will also explore the specific ways that the Catholic Church expresses that faith and mission, and the particular way the Dominican Order lives out this mission in the world. Topics will include elements of church history, ecclesiology, and the study of discipleship. Important figures of the Dominican/Adrian Dominican community will serve as examples of lives inspired by the mission of Christ. Seniors may contract to take this course for Level 3 credit.

SERVICE HOURS

FRESHMAN SERVICE HOURS (051)

Grade: 9

Pass/Fail

Prerequisite: None

Spring Semester

The purpose of service in a Catholic school is two-fold: to complete acts of charity for one's neighbor because we are called by God to act as Jesus and figures in our Dominican heritage and to be transformed by the service through theological reflection on the experience. This pass or fail course is meant to help students live out the Dominican pillar of service and affirm the many hours of service that Regina Dominican students provide to support the school and local community. Adding our mandatory service-hour requirement as a pass/fail course allows colleges to recognize the service work done by students. Students who complete the required 15 hours at Regina Dominican or non-profit organizations by the April 15 deadline will pass this course.

SOPHOMORE SERVICE HOURS (052)

Grade: 10

Pass/Fail

Prerequisite: None

Spring Semester

The purpose of service in a Catholic school is two-fold: to complete acts of charity for one's neighbor because we are called by God to act as Jesus and figures in our Dominican heritage and to be transformed by the service through theological reflection on the experience. This pass or fail course is meant to help students live out the Dominican pillar of service and affirm the many hours of service that Regina Dominican students provide to support the school and local community. Adding our mandatory service-hour requirement as a pass/fail course allows colleges to recognize the service work done by students. Sophomore students who complete the required 15 hours at Regina Dominican or non-profit organizations by the April 15 deadline will pass this course.

JUNIOR SERVICE HOURS (053)

Grade: 11

Pass/Fail

Prerequisite: None

Spring Semester

The purpose of service in a Catholic school is two-fold: to complete acts of charity for one's neighbor because we are called by God to act as Jesus and figures in our Dominican heritage and to be transformed by the service through theological reflection on the experience. This pass or fail course is meant to help students live out the Dominican pillar of service and affirm the many hours of service that Regina Dominican students provide to support the local community. Adding our mandatory service-hour requirement as a pass/fail course allows colleges to recognize the service work done by students. Junior students who complete the required 15 hours to local community or non-profit organizations by the April 15 deadline will pass this course.

SENIOR SERVICE HOURS (054)

Grade: 12

Pass/Fail

Prerequisite: None

Spring Semester

The purpose of service in a Catholic school is two-fold: to complete acts of charity for one's neighbor because we are called by God to act as Jesus and figures in our Dominican heritage and to be transformed by the service through theological reflection on the experience. This pass or fail course is meant to help students live out the Dominican pillar of service and affirm the many hours of service that Regina Dominican students provide to support the local or global community. Adding our mandatory service-hour requirement as a pass/fail course allows colleges to recognize the service work done by students. Senior students who complete the required 15 hours to local or global community or non-profit organizations by the April 15 deadline will pass this course.

WORLD LANGUAGES

FRENCH

FRENCH I (310)

Grades: 9, 10, 11, 12

Level 2

Prerequisite: None

One Year / 1.0 Credit

Students begin to develop their competence across three modes of communication: interpersonal, presentational, and interpretative in French within the context of thematic units based on the AP Themes. Performance-based assessments in the presentational and interpersonal modes (speaking and writing) provide the students the opportunity to use the language in practiced, familiar contexts. Interpretive listening and reading tasks are focused on the acquisition and recognition of basic stated information in the target language. Students explore French-speaking cultures, as well as make comparisons and connections to their own experiences. Communication in the classroom (teacher-student and/or student-student) takes place primarily in French.

FRENCH II (320)

Grades: 9, 10, 11, 12

Level 2

Prerequisites: Completion of or proficiency in French 310

One Year / 1.0 Credit

Students continue to develop their competence in French across the three modes of communication within the context of the thematic units based on AP themes. Performance-based assessments in the presentational and interpersonal modes (speaking and writing) provide the students the opportunity to use the language in practiced and familiar situations with increasing independence. Interpretive listening and reading skills are developed through the use of authentic materials to interpret basic information, recognize key details, and make inferences about the content in familiar contexts. Students continue to explore Francophone culture in new contexts, as well as make comparisons and connections to their own experiences. Communication in the classroom (teacher-student and/or student-student) takes place primarily in French.

HONORS FRENCH III (332)

Grades: 10, 11, 12

Level 3

Prerequisites: French 320

One Year / 1.0 Credit

This is the first Level 3 course in the French course sequence. Students continue to work to develop their competence in French across the three modes of communication in the context of the six AP themes. Performance-based assessments provide the students the opportunity to use the language in familiar contexts, with increasing ability to use the language in unfamiliar situations. Interpretive

listening and reading skills are further developed through the use of both authentic literature and nonfiction texts and focus on both literal comprehension with increasing emphasis on inferential interpretation. Throughout the course, students continue to explore the target culture in new contexts. Communication in the classroom (teacher-student and/or student-student) takes place primarily in French. This Level 3 class provides instruction at an accelerated pace, which allows for opportunities for enrichment and deeper exploration of the subject for students whose skills are well above grade level and who are seeking greater academic challenge.

FRENCH IV (338)

Grades 11, 12

Level 2

Prerequisites: Honors French III

One Year / 1.0 Credit

Students continue to work to develop their competence in French across the three modes of communication in the context of the six AP themes. Performance-based assessments provide the students the opportunity to use the language in familiar contexts with increasing independence. Interpretive listening and reading tasks are focused on both literal comprehension and inferential interpretation. Practice is provided regularly, both within the classroom and at home. Cultural information and comparisons are drawn from authentic print, literary works and class discussion. Students will facilitate classroom discussion through their own student-led presentation. Communication in the classroom (teacher-student and/or student-student) takes place primarily in French.

AP FRENCH LANGUAGE & CULTURE (342)

Grades: 11, 12

Level AP

Prerequisites: Honors French III

One Year / 1.0 Credit

AP French Language and Culture is equivalent to an intermediate level college course in French. It takes a holistic approach to language proficiency and recognizes the complex interrelatedness of comprehension and comprehensibility, vocabulary usage, language control, communication strategies, and cultural awareness. Students cultivate their understanding of French language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and community, personal and public identity, beauty and aesthetics, science and technology, contemporary life, and global challenges. Students are required to take the Advanced Placement exam in May and a practice exam outside of scheduled class time. The cost of the AP exam for this course will be approximately \$95.00.

HONORS FRENCH V (352)

Grade: 12

Level 3

Prerequisites: AP French Language & Culture

One Year / 1.0 Credit

This course is intended to introduce students to the formal study of Francophone literature, such as short stories, plays, poems, and novels. This course will be taught entirely in French. Students will discuss literary texts and their historical, social/cultural, and geopolitical contexts in different oral and written formats. Students will continue to develop their proficiency across the three modes of communication. This Level 3 class provides instruction at an accelerated pace, which allows for opportunities for enrichment and deeper exploration of the subject for students whose skills are well above grade level and who are seeking greater academic challenge. Seniors who did not take the AP French Language & Culture exam as juniors are required to take the Advanced Placement exam in May and a practice exam outside of scheduled class time. The cost of the AP exam for this course will be approximately \$95.00

LATIN

LATIN I (410)

Grades: 9, 10, 11, 12

Level 2

Prerequisites: None

One Year / 1.0 Credit

This course will start to introduce students to all basic Latin grammatical concepts. Students will learn to develop reading comprehension and translation abilities. Students will also learn about cultural aspects of the ancient classical world of Rome, such as the early history of Rome and mythology. Students will be encouraged to make comparative connections between the ancient and modern worlds.

LATIN II (420)

Grades: 9, 10, 11, 12

Level 2

Prerequisites: Completion of or proficiency in Latin I

One Year / 1.0 Credit

This course continues the format begun in Latin I with a continual presentation of the fundamentals of Latin grammar and acquisition of vocabulary needed to read or translate adapted versions of Latin authors. This class is conducted in English but there will be an increasing emphasis on responding, thinking, and writing in Latin. There will be a continuation of discussions about Roman culture, history, and classical mythology.

HONORS LATIN III (432)

Grades: 10, 11, 12
Prerequisites: Latin II

Level 3
One Year / 1.0 Credit

This is the first Level 3 course in the Latin course sequence. This course will prepare students to read authentic texts by a variety of Latin author including Caesar, Cicero, Vergil, Horace, Catullus, and Ovid. Prose and poetry selections will be explored at both the literal level and with an eye towards *understanding* Latin. Critical as well to this course will be further reading and research into Roman culture, daily life, history, and mythology. The course also analyzes elements of Roman poetry and stylistic features such as literary devices. This Level 3 class provides instruction at an accelerated pace, which allows for opportunities for enrichment and deeper exploration of the subject for students whose skills are well above grade level and who are seeking greater academic challenge.

AP LATIN (442)

Grades: 11, 12
Prerequisite: Honors Latin III

Level AP
One Year / 1.0 Credit

AP Latin is equivalent to an upper-intermediate level college course in Latin focusing on the in-depth study of selections from Vergil's *Aeneid* and Caesar's *Gallic War*. Students cultivate their understanding of classics through preparing and translating readings and considering themes in the context of ancient literature as they explore concepts like literary techniques, Roman values, war and empire, leadership, views of non-Romans, history and memory, and human beings and the gods. Throughout the course, students develop their language skills through precise and literal translation, reading with comprehension of sight passages, and written analyses that demonstrate clear and coherent arguments supported by textual examples. Students are required to take the Advanced Placement exam in May and a practice exam outside of scheduled class time. The cost of the AP exam for this course will be approximately \$95.00.

SPANISH

SPANISH I (505)

Grades: 9, 10, 11
Prerequisite: None

Level 1
One Year / 1.0 Credit

Students begin to develop competence in Spanish across the three modes of communication: interpersonal, presentational and interpretive. Course content and instruction support development of reading and writing skills in familiar, everyday contexts. Interpretive reading and listening skills are focused on basic stated information in texts with practiced and familiar language. Performance-based assessments in the presentational and interpersonal modes allow students to use the language in practiced, familiar contexts. Regular practice, review, and support are provided, in addition to adjusted pacing, to meet the needs of learners. Communication in the classroom (teacher-student

and/or student-student) takes place primarily in Spanish. This Level 1 class provides support and accommodations that are appropriate to allow all students to access and master grade-level, college-prep standards.

SPANISH I (510)

Grades: 9, 10, 11

Level 2

Prerequisite: None

One Year / 1.0 Credit

Students begin to develop their competence across three modes of communication: interpersonal, presentational, and interpretative in Spanish within the context of thematic units based on the AP Themes. Performance-based assessments in the presentational and interpersonal modes (speaking and writing) provide the students the opportunity to use the language in practiced, familiar contexts. Interpretive listening and reading tasks are focused on the acquisition and recognition of basic stated information in the target language. Students explore Spanish-speaking cultures, as well as make comparisons and connections to their own experiences. Communication in the classroom (teacher-student and/or student-student) takes place primarily in Spanish.

SPANISH II (506)

Grades: 10, 11, 12

Level 1

Prerequisites: Spanish 505

One Year / 1.0 Credit

Students continue to develop competence in Spanish across the three modes of communication. Interpretive listening and reading skills, and writing are enhanced through guided practice. Performance-based assessments in the presentational and interpersonal modes allow students to use the language in practiced, familiar contexts. Regular practice, review, and support are provided, in addition to adjusted pacing, to meet the needs of learners. Communication in the classroom (teacher-student and/or student-student) takes place primarily in Spanish. This Level 1 class provides support and accommodations that are appropriate to allow all students to access and master grade-level, college-prep standards.

SPANISH II (520)

Grades: 9, 10, 11, 12

Level 2

Prerequisite: Completion of or proficiency in Spanish 510

One Year / 1.0 Credit

Students continue to develop their competence in Spanish across the three modes of communication within the context of the thematic units based on AP themes. Performance-based assessments in the presentational and interpersonal modes (speaking and writing) provide the students the opportunity to use the language in practiced and familiar situations with increasing independence. Interpretive listening and reading skills are developed through the use of authentic materials to interpret basic information, recognize key details, and make inferences about the content in familiar contexts. Students continue to explore Hispanic culture in new contexts, as well as make comparisons and

connections to their own experiences. Communication in the classroom (teacher-student and/or student-student) takes place primarily in Spanish.

SPANISH III (524)

Grades: 10, 11, 12

Level 2

Prerequisites: Completion of or proficiency in Spanish 520

One Year / 1.0 Credit

Students continue to work to develop their competence in Spanish across the three modes of communication in the context of the six AP themes. Performance-based assessments provide the students the opportunity to use the language in practiced and familiar contexts with increasing independence. Interpretive listening and reading tasks are focused on literal comprehension with increasing emphasis on inferential interpretation. Practice is provided regularly, both within the classroom and at home. Students continue to explore the target culture in new contexts. Communication in the classroom (teacher-student and/or student-student) takes place primarily in Spanish.

HONORS SPANISH III (532)

Grades: 10, 11, 12

Level 3

Prerequisites: Spanish 520

One Year / 1.0 Credit

This is the first Level 3 course in the Spanish course sequence. Students continue to work to develop their competence in Spanish across the three modes of communication in the context of the six AP themes. Performance-based assessments provide the students the opportunity to use the language in familiar contexts, with increasing ability to use the language in unfamiliar situations. Interpretive listening and reading skills are further developed through the use of both authentic literature and nonfiction texts and focus on both literal comprehension with increasing emphasis on inferential interpretation. Throughout the course, students continue to explore the target culture in new contexts. Communication in the classroom (teacher-student and/or student-student) takes place primarily in Spanish. This Level 3 class provides instruction at an accelerated pace, which allows for opportunities for enrichment and deeper exploration of the subject for students whose skills are well above grade level and who are seeking greater academic challenge.

SPANISH IV (528)

Grades: 11, 12

Level 2

Prerequisites: Spanish III

One Year / 1.0 Credit

Students continue to work to develop their competence in Spanish across the three modes of communication in the context of the six AP themes. Performance-based assessments provide the students the opportunity to use the language in familiar contexts with increasing independence. Interpretive listening and reading tasks are focused on both literal comprehension and inferential interpretation. Practice is provided regularly, both within the classroom and at home. Cultural

information and comparisons are drawn from authentic print, literary works and class discussion. Students will facilitate classroom discussion through their own student-led presentation. Communication in the classroom (teacher-student and/or student-student) takes place primarily in Spanish.

AP SPANISH LANGUAGE AND CULTURE (542)

Grades: 11, 12

Level AP

Prerequisites: Honors Spanish III or Spanish IV

One Year / 1.0 Credit

AP Spanish Language and Culture is equivalent to an intermediate level college course in Spanish. The course emphasizes communication by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. Students cultivate their understanding as they explore concepts related to family and communities, personal and public identities, beauty and aesthetics, science and technology, contemporary life, and global challenges. The course engages students in an exploration of culture in both contemporary and historical contexts and develops an awareness and appreciation of cultural products, practices, and perspectives. Students are required to take the Advanced Placement exam in May and a practice exam outside of scheduled class time. The cost of the AP exam for this course will be approximately \$95.00.

HONORS SPANISH V (552)

Grade: 12

Level 3

Prerequisites: AP Spanish Language & Composition

One Year / 1.0 Credit

This course is intended to introduce students to the formal study of Hispanic literature, such as short stories, plays, poems, and novels. This course will be taught entirely in Spanish. Students will discuss literary texts and their historical, social/cultural, and geopolitical contexts in different oral and written formats. Students will continue to develop their proficiency across the three modes of communication. This Level 3 class provides instruction at an accelerated pace, which allows for opportunities for enrichment and deeper exploration of the subject for students whose skills are well above grade level and who are seeking greater academic challenge. Seniors who did not take the AP Language & Culture exam as juniors are required to take the Advanced Placement exam in May and a practice exam outside of scheduled class time. The cost of the AP exam for this course will be approximately \$95.00.

COMMUNICATIONS

ENGLISH LANGUAGE COMMUNICATION I (190)

Grades: 9, 10, 11

Prerequisites: Screening Test and Interview

Level 2

One Semester / .5 Credit

One Year / 1.0 Credit

The course allows students to develop written and oral communication fluency in English by concentrating on the language itself. The course includes in-depth study of English pronunciation, grammar, vocabulary development, and comprehension. Students write original compositions, study writings of others, read aloud their own writings and those of model writers, and prepare extemporaneous speeches. Instruction is highly individualized to allow each student to develop her communication skills in English so that she may become a more proactive participant/learner in her other classes at Regina Dominican High School, in college, and in her future career. This course may be required for students for whom English is not a first language.

ENGLISH LANGUAGE COMMUNICATION II (192)

Grades: 9, 10, 11

Prerequisites: Screening Test and Interview

Level 2

One Semester / .5 Credit

One Year / 1.0 Credit

This course continues to build upon written and oral communication fluency in English by concentrating on the language itself. The course includes in-depth study of English pronunciation, grammar, vocabulary development, and comprehension. Students write original compositions, study writings of others, read aloud their own writings and those of model writers, and prepare extemporaneous speeches. Instruction is highly individualized to allow each student to develop her communication skills in English so that she may become a more proactive participant/learner in her other classes at Regina Dominican High School, in college, and in her future career. This course may be required for students for whom English is not a first language.

SUMMER SCHOOL OFFERINGS

PRESENTATIONAL SPEAKING (124)

Grade: 9, 10, 11, 12
Prerequisites: None

Level 2
One Semester / .5 Credit

This course integrates refinement of electronic research strategies, instruction in speech composition, development of effective presentations, and training in speech delivery. In the process of preparing speeches for classroom presentation, students examine and practice elements of effective delivery. They study how to gather and evaluate information from Internet resources. They learn how to cite sources within a speech and in print using MLA format. They enhance their speech presentations by creating visual support. Successful completion of this course empowers the student to apply what she has learned in presentations that she will give throughout her academic and professional career.

HEALTH (915)

Grade: 9, 10
Prerequisites: None

Level 2
One Semester / .5 Credit

This course is designed to help students examine lifestyles, select goals, and make plans to achieve and maintain optimum health. Students will understand the lifelong process of physical, intellectual, emotional, and social growth. The first half of the course takes a deeper look at health skills, nutrition, alcohol/drug awareness, healthy relationships, bullying as well as social media usage. The second half of the course focuses on reproduction, human sexuality, bodily systems, first aid, communicable and chronic diseases. This course is a state requirement for graduation.

TRANSITION TO HIGH SCHOOL ENGLISH (111)

Grade: Incoming 9
Prerequisites: None

Pass/Fall
.25 Credit

This course is designed to help students develop academic strategies needed for successful completion of high school coursework, particularly in English. Students will learn annotation and note taking skills, active reading skills, grammar, and basic composition skills. This course will also develop skills such as goal-setting, organization, time management, and test-taking strategies related to the content area. Course content will include assistance with the English department required summer reading. This is a .25 credit course and does not replace Literary Genres.

TRANSITION TO HIGH SCHOOL MATHEMATICS (607)

Grade: Incoming 9
Prerequisites: None

Pass/Fall
.25 Credit

This course is designed to provide assistance for students who need further preparation in mathematics prior to freshman year. Students will review arithmetic topics including fractions, decimals and other pre-algebra topics. They will also be introduced to basic algebra concepts, data representation, and problem solving. Study skills for success in mathematics will be taught. This is a .25 credit course and does not replace Algebra I.

INTRODUCTION TO CLASSICAL MYTHOLOGY (182)

Grade: 9, 10, 11, 12
Prerequisites: None

Level 2
One Semester / .5 Credit

This course provides students with a basic understanding of the role that myths and myth-making plays in all human societies and introduces them to the rich tradition of Classical Roman and Greek mythology through modern overviews of the central myths and focused readings of ancient sources and later adaptations, re-creations, and transformations of these myths. Students will develop the ability to recognize and analyze these myths as they appear in the Western cultural tradition - whether in an English poem of the Age of Romanticism or a modern comic book - and come to appreciate the continuing relevance of these myths to their daily lives. Students do not need to know either Latin or Greek to take this course, for all ancient and non-English sources will be provided in translation. This course does not satisfy the English requirement for graduation; however, students who take the course will earn an additional half-credit in English.

INTRODUCTION TO CERAMICS (221)

Grade: 9, 10, 11, 12
Prerequisites: Art Foundations (Recommended)

Level 2
One Semester / .5 Credit

This class will introduce students to building with clay. Emphasis will be placed on the design elements; line, shape, texture, and color. Focus will be on the hand building techniques; pinch, coil and slabs. Functional as well as sculptural applications will be explored. Introduction to traditional and historical ceramic arts will be incorporated into the lab experiences. Students will be introduced to the craft of wheel thrown pottery on a limited basis. Various glaze and decoration techniques for finishing work will be introduced.