

Regina High School



Curriculum Guide 2017-18

PURPOSE OF THE GUIDE

Regina High School strives for spiritual, academic, and co-curricular excellence. It also recognizes individual diversity and, therefore, provides a setting for learning, creativity, thinking, and open-mindedness, all within the context of a virtue and value-centered environment.

The Curriculum Guide is designed to improve the quality of learning by fulfilling the needs of all students and by enabling them to plan a course of studies for four years. Parents must be involved in helping to choose classes. The school facilitates learning by setting up proper class size, and the number and spacing of classes according to the nature of the subject, the type of instruction, and the level of student ability.

Regina High School is committed to providing all students with a learning environment in which they can become literate and proficient in the ethical use of modern and rapidly advancing technology. Technology is integrated throughout the curriculum in order to help students develop analytical and higher thinking skills that enable them to access and process information. Technology empowers them with the tools to compete and succeed in today's global work environment and to be flexible and adaptable to all new technological changes.

In all cases, it is advisable to check the graduation requirements, the required courses for each year, and any noted prerequisites before making course selections.

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REGINA HIGH SCHOOL REQUIREMENTS FOR GRADUATION

Following the State of Michigan Merit Curriculum, the minimum requirement for a student who expects to graduate from Regina is 27 credits which must include the following:

- 1/2 credit in Theology for each semester in attendance
(includes 1/2 credit in Christian Community Service)
- 4 credits in English
- 4 credits in Mathematics (must complete credit senior year)
- 3 credits in Science (must include 1 credit of Biology and 1 credit of Chemistry)
- 3 credits in Social Studies (must include 1 credit in World History and Geography, 1 credit in U.S. History and Geography, 1/2 credit in Economics, and 1/2 credit in U.S. Govt.)
- 1 credit in Fine Arts
- 1/2 credit in Computer Applications
- 1/2 credit in Physical Education
- 1/2 credit in Health Education
- 2 credits in Foreign Language (two consecutive years of the same language)
- 4-1/2 or more credits in electives

The required State of Michigan on-line course work is integrated throughout the curriculum.

REQUIREMENTS FOR COLLEGE ENTRANCE: Although each university/college has final say in admissions decisions, most of Michigan's post-secondary institutions have agreed that students must meet the following requirements:

- 4 years of English
- 4 years of Mathematics
- 3 years of Science (includes 1 year of Biology and 1 year of Chemistry)
- 2 years of History and 1 year of Social Studies
- 2 years of a Foreign Language (3 years strongly recommended)

The standards and requirements for admission are different for each university and certain programs may have special requirements. Students should get detailed information about admission requirements from the counseling staff or from the proper admissions office. In considering a student's potential for success, each university looks at the high school record. Factors such as grade point average, test scores, special abilities, scholastic activities, community service, and work experience are also important.

DUAL ENROLLMENT: Dual enrollment allows students in grades 9-12 to take courses, including those online, at Michigan public or private colleges and universities. The State of Michigan pays for the tuition, fees, and books of students who qualify for the program but caps the total amount of funds allocated to each student. There are parameters on which classes may be selected and how a student qualifies for dual enrollment. Parents and students should check with the Guidance Department for the full policy on dual enrollment.

ON-LINE CLASSES: Under certain circumstances, a student may be a candidate to complete an online course. Classes are available on a limited basis and are subject to guidelines determined by the school. Parents and students electing an online course must sign a contract prior to enrollment. A meeting with the counselor is recommended to discuss the full policy regarding online classes.

ENGLISH DEPARTMENT

- 0113** **English 9/Composition I (1 Credit)** places emphasis on the written word as an important form of communication. Grammar, usage, vocabulary, and punctuation are reinforced through the writing of narrative and descriptive compositions. Introduction to the MLA (Modern Language Association) style and documentation is presented. Knowledge is acquired and appreciation of the various literary genres is encouraged through the study of the essay, novel, drama, short story, and poetry. Elements of speech communication skills are covered.
- 0114**
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- 0120** **Honors English 9/Composition I & II (1 Credit)** develops in-depth grammatical usage and other skills needed to write expository, comparison and contrast, and persuasion compositions. Students are expected to have strong writing and analytical skills. Research techniques are introduced. Various literary genres are analyzed. Emphasis is placed on the reading of additional novels. Elements of speech communication skills are covered. **Prerequisite:** Counselor recommendation.
- 0121**
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- 0122** **American Literature/Composition II (1 Credit)** presents a study of American Literature chronologically from the colonial period to modern times. Key themes, ideas, literary periods, and the genres they represent provide the basis for the course. Students write in a variety of styles with an emphasis on audience. Oral presentation skills are honed.
- 0123**
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- 0126** **Honors American Literature/Composition III (1 Credit)** studies literary trends from the chronological order of American writers. The writing focus is on creating essays with the divided thesis and universalized introductions. The production of the argumentative essay, literary analysis essay, and usage of MLA style for documentation are included. Oral presentations are also practiced in this course. **Prerequisite:** A minimum grade of “B” is required in both semesters of Honors English 9/Composition I & II or teacher recommendation.
- 0127**
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- 0142** **World Literature/Composition III (1 Credit)** focuses on the literature of different countries and cultures. Common themes of humanity are analyzed. The literature of ancient Greece and Rome is included along with Asian, African, Middle Eastern, and British selections. The writing focus is on creating essays with the divided thesis and universalized introductions. The production of the argumentative essay, literary analysis essay, and usage of MLA style for documentation are included along with oral presentations of selected assignments.
- 0143**
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- 0134** **Honors World Literature/Research Paper (1 Credit)** offers a broad spectrum of literature for discussion and analysis with emphasis on British writers. Writing assignments are based, in part, on literary criticism. Emphasis is on the skills involved in writing and documenting a longer research paper. Writing one research paper in a step-by-step process using the MLA style for documentation is required. Speech presentations are also part of this course. **Prerequisite:** A minimum grade of “B” is required in both semesters of Honors American Literature/Composition III or teacher recommendation.
- 0135**
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- 0140** **Honors Advanced Placement Literature and Composition (1 Credit)** stresses the careful reading of works of literary merit in order to develop critical standards for literary appreciation. Written assignments focus on the analysis of these works. This course helps students develop skills of composing college-level prose. Modes of discourse, including oration, as well as aims of discourse and rhetorical strategies are studied. The Advanced Placement Literature and Composition Examinations are taken in May. **Prerequisite:** A
- 0141**
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minimum grade of “B” is required in both semesters of Honors World Literature/Research Paper or teacher recommendation.

- 0060 Journalism (1/2 Credit)** focuses on the fundamentals of gathering, reporting, editing, and producing news for print and electronic media including the school newspaper, *The Scepter*. Students discuss professional ethics and laws applicable to journalists as well as using layout design, photography, and art to produce effective presentations. **Prerequisite:** Counselor and teacher recommendations and a required interview with *The Scepter* Advisor.
- 11-12**
- 0030 Speech (1/2 Credit)** develops both interpersonal and public communication skills. Topics covered include listening skills; non-verbal cues; overcoming stage fright; study and practice in performing a variety of speech styles such as an introduction, a demonstration, an interpretation of literature, an informative speech with effective use of PowerPoint; and a persuasive message. Peer and self assessments are used to develop critical analysis skills. **Note:** This class can be used to fulfill a Fine Arts requirement.
- 11-12**
- 0075 Contemporary Authors/College Writing (1/2 Credit)** presents a study of major literary works of selected 20th and 21st century writers. Students develop an understanding of literary movements, themes, and merit as well as approaches to analysis of literature appropriate to college writing.
- 12**
- 0071 Creative Writing (1/2 Credit)** develops students’ writing abilities in both fiction and non-fiction prose and a variety of poetry styles. Students develop close observation, creative word choice, point of view, tone, and style in a number of genres and create a portfolio of works based on genres studied throughout the semester.
- 12**
- 0076 Literature of the Screen/College Writing (1/2 Credit)** studies the relationship between literature and film to identify aspects of visual literacy and its impact on storytelling. Students gain an understanding of film techniques and recognize the interrelationship between storytelling in print and on screen including symbolism, characterization, plot development, and figurative techniques. Differences and similarities between literature and film are analyzed and presented to the class.
- 12**
- 0077 Shakespeare/College Writing (1/2 Credit)** presents an in-depth study of the life, times, and motivations of William Shakespeare. Background information on drama and theater before the time of Shakespeare is covered. The sonnets and several major plays are studied extensively with emphasis on the influence of the Shakespearean Theatre on later dramatists. Opportunities to attend live Shakespearean productions are offered when available.
- 12**
- 0045 Women’s Literature/College Writing (1/2 Credit)** focuses on the feminine perspective through reading and celebrating the literary works of women writers. Literature selections that feature women’s concerns and issues enhance this study. Historical and geographical circumstances are used to develop a complete understanding of the struggles women endured to gain equality in a milieu of cultural settings. Written and oral presentations are assigned in a variety of forms addressing text-to-text, text-to-self, and text-to-world applications.
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FINE ARTS DEPARTMENT

- 0515** **Art I (1/2 Credit)** is a studio/lecture course designed to meet the needs of students with different skill levels. Students demonstrate the ability to apply learned skills in various media encompassing both two-dimensional and three-dimensional works of art. The Art curriculum includes art production, aesthetics, art history, and art criticism. Students are responsible for supplying their own sketchbooks. A materials fee of \$30 is collected at the beginning of the semester to pay for other necessary supplies.
9-12
- 0520** **Art II (1/2 Credit)** is a studio/lecture course that focuses on two-dimensional and three-dimensional elements and principles of design. Students take an analytical approach to applying design and color theory in various media that include pencils, charcoal, acrylic paints, water colors, pastels, plaster, and clay. The Art curriculum encompasses art production, aesthetics, art history, and art criticism. Students are responsible for supplying their own sketchbooks. A materials fee of \$30 is collected at the beginning of the semester to pay for other necessary supplies. **Prerequisite:** Art I.
10-12
- 0525** **Art III (1/2 Credit)** is a studio/lecture course that continues the examination of two-dimensional and three-dimensional elements and principles of design through an in-depth study of complex techniques including stain glass and/or pottery. The Art curriculum encompasses art production, aesthetics, art history, and art criticism. Students are responsible for supplying their own sketchbooks. A materials fee of \$30 is collected at the beginning of the semester to pay for other necessary supplies.
11-12
Prerequisite: Art II.
- 0521** **Art IV (1/2 Credit)** is a studio/lecture course that provides students the opportunity to grow and develop the art knowledge and talents learned in prior art classes. The main goal is for students to use elements and principles of art to increase art ability and creativity. Areas of content media include oil, acrylic, and watercolor paints and mixed media using palette knives and other materials to gain abstract and original art work. Clay and/or plaster are used for a 3-D experience. Students are responsible for supplying their own sketchbook. A materials fee of \$30 is collected at the beginning of the semester to pay for other necessary supplies. **Prerequisite:** Art III.
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- 0526** **Directed Study (1/2 Credit)** places emphasis on portfolio work. Students work one-on-one with the teacher to develop an individual curriculum based on students' goals and future educational and career plans. Students are responsible for supplying their own sketchbook when needed. A materials fee of \$30 is collected at the beginning of the semester to pay for other necessary supplies. Students may not receive more than two full credits of art as part of the 27 credits required for graduation. **Prerequisite:** Art III and teacher recommendation.
12
- 0582** **Theater Arts (1/2 Credit)** provides students with an introduction to theater and performance. Topics covered in this course include theater history, production, acting, and technical theater. Throughout the class, students are expected to complete projects including sets, lights, and make-up; explore character motivation; and participate in both individual and group performances. Students are also required to view a play and take part in the scheduled Drama Club production through class activities.
9-12
- 0564** **Music Appreciation (1/2 Credit)** is a non-singing music class covering a variety of musical genres including jazz, pop, classical, musical theater and more. Attendance at some live performances and field trips may be required.
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- 0562** **Concert Choir (1/2 Credit)** is a performance-based class that introduces basic music theory, ear training, and beginning vocal and choral techniques. Music fundamentals are covered and applied to performance. No previous singing experience is necessary; however, class participation is included in the grade. Students are required to sing in the end-of-the-semester concert.
9-12
- 0563** **Ensemble Choir (1 Credit)** is a performance group that is specifically designed to showcase and represent Regina High School. Students are expected and required to exhibit the highest possible level of performance and professionalism both individually and collectively. Emphasis is on advanced repertoire, four-part singing, joint-performance with De La Salle choirs, and continued development in music theory and sight-reading skills. Attendance for performances, including school liturgies, is mandatory. Students may not receive more than two full credits of music as part of the 27 credits required for graduation.
11-12 **Prerequisite:** Concert Choir or instructor recommendation and Audition.
- 0571** **Beginning Piano Skills (1/2 credit)** introduces piano fundamentals to students with no prior experience. Students learn to read notes and rhythm, scales, and elementary fingering. A good portion of class time is spent in individual practice, with the teacher's supervision, on rudimentary pieces that establish basic piano technique. Students also regularly perform what they have learned for each other. The number of students accepted into this class is limited.
9-12

FOREIGN LANGUAGE DEPARTMENT

- 4150** **French I (1 Credit)** presents the fundamentals of the language through functional dialogues and real-life situations, pattern practices, and audiotapes. Through authentic materials sequentially arranged, automatic response and self-expression are cultivated. Appreciation of French culture is encouraged through supplementary lessons on French civilization.
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Prerequisite: Counselor recommendation.
- 4200** **French II (1 Credit)** complements French I with utilization of the same language techniques, but affords an opportunity to increase and perfect language skills with an intense concentration of irregular verbs, extended vocabulary, and advanced grammatical structures. An emphasis is on oral communication and the promotion of reading, writing, and listening skills. The study of French culture is continued.
4201
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- 4300** **French III (1 Credit)** emphasizes more advanced aspects of French grammar, including extended verb tenses and formations and their use in sentence structure. Short stories and articles in French provide opportunities for literary analysis and topics for compositions. The study of French culture is broadened in these readings. The ability to speak French is enhanced with a variety of conversational techniques.
4301
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- 4400** **French IV (1 Credit)** reviews grammatical structures and builds on previously learned skills to strengthen and perfect overall performance. The oral component of the language is emphasized. Audio skills are enhanced with varied performance techniques. Grammar lessons are presented and discussed in French. Reading, conversation, and writing flow from the study of various writing materials including poetry, proverbs, articles, and other cultural selections. The exploration of French culture is expanded.
4401
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- 4410** **Conversational French (1/2 Credit)** focuses on practicing everyday expressions and structures to improve students' abilities to communicate in French with peers, teachers, and native speakers. **Prerequisite:** A grade of "C" or higher in French I, French II, and French III.
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- 4520** **Spanish I (1 Credit)** presents the fundamentals of speaking, listening, reading, and writing skills. Basic grammatical structures are introduced and applied in everyday classroom use. Various cultural aspects of the Spanish-speaking world are explored.
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Prerequisite: Counselor recommendation.
- 4620** **Spanish II (1 Credit)** strengthens the listening, speaking, reading, and writing skills developed in Spanish I. Students continue to build vocabulary and grammatical structures in order to advance to an understanding of more complex structures. Students practice oral communication skills daily. Cultural aspects of Spanish-speaking countries are studied.
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- 4720** **Spanish III (1 Credit)** reinforces and deepens students' understanding of basic skills, vocabulary, and grammar concepts learned in Spanish I and II. There is continued focus on writing, reading, and creating original conversations in the Spanish language. Cultural elements are integrated in chapter projects. The class is taught primarily in Spanish and students are encouraged to speak in the target language most of the time.
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- 4820** **Spanish IV (1 Credit)** reviews and applies Spanish vocabulary and grammar concepts

- 4821** learned in previous courses. Reading and listening comprehension skills are enhanced through frequent examination of written materials and short films. Students are exposed to various cultural elements of the Spanish-speaking world through content material and field trips. The class is taught completely in Spanish and students are expected to respond in the target language exclusively.
- 11-12**
- 4910** **Conversational Spanish (1/2 Credit)** focuses on practicing everyday expressions and structures to improve students' abilities to communicate in Spanish with peers, teachers, and native speakers. **Prerequisite:** A grade of "C" or higher in Spanish I, Spanish II, and Spanish III.
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- 4050** **Mandarin Chinese I (1 Credit)** teaches basic speaking and writing skills. Students learn the necessary verbal skills associated with various facets of Chinese culture: names, dates and time, family, friends, and hobbies. **Prerequisite:** Counselor recommendation.
- 4051**
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- 4070** **Mandarin Chinese II (1 Credit)** expands the language and grammar skills begun in Mandarin Chinese I. Listening and speaking skills are strengthened through pronunciation drills and dialogues created and recited by students. Reading and writing skills are increased with further vocabulary development. The study of Chinese culture continues.
- 4071**
- 10-11**
- 4080** **Mandarin Chinese III (1 Credit)** emphasizes more advanced aspects of Chinese grammar, including extended verb tenses and formations and their use in sentence structure. Short stories and articles in Chinese provide opportunities for literary analysis and topics for compositions and conversation practice. Supplementary lessons cover various aspects of Chinese and Asian culture. The ability to speak Chinese is enhanced with a variety of conversational techniques.
- 4081**
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Prerequisites: In order to advance in a language, a "C" average in both semesters of the previous course is necessary.

HEALTH/PHYS. ED. DEPARTMENT

- 0625** **Physical Education (1/2 Credit)** offers a variety of activities including physical fitness, speed ball, weight training basics, volleyball, floor hockey, and cooperative games. Emphasis is placed on strength and cardiovascular endurance. The course is graded on a Pass/Fail basis.
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- 0610** **Health (1/2 Credit)** explores adolescent growth and development. Issues discussed include social, mental, and emotional health; communicable diseases; the importance of proper nutrition and physical fitness; the dangers of tobacco, alcohol and drug use; and health and safety. Students learn state-mandated hands-only CPR training.
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- 0615** **Fitness & Nutrition (1/2 Credit)** provides students with physical education experience and an in-depth study of nutrition to promote overall health and well-being. Students participate in a variety of activities including traditional games such as volleyball, badminton, and basketball along with non-traditional activities like German battica, yoga, maizeball, and pilates. Students learn about meal planning, food selection, and how nutrition impacts overall performance in their daily lives.
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- 0670** **First Aid/CPR (1/2 Credit)** presents information on the proper administration of first aid care and develops skills necessary to perform CPR. Hands-on classroom practice provides opportunities to react properly in an accident and/or life-threatening situations. The American Red Cross guidelines are followed. A fee is charged for ARC certification. Students not requiring certification receive a letter of competency upon completion of the course.
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- 0654** **Kinesiology (1/2 Credit)** studies the techniques involved in the performance of human movement skills along with developing a basic knowledge of physical fitness and weight training. Through a study of anatomy and physiology, students learn basic muscle structure and function, proper techniques for weight training and development of cardiovascular fitness, and the basic principles of setting up a personal fitness program to improve body toning and overall health. This course cannot be taken for science credit. In lieu of a textbook, a materials fee is collected at the beginning of the semester.
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MATHEMATICS DEPARTMENT

- 1851** **Honors Algebra I (1 Credit)** emphasizes the structure of algebra with an in-depth coverage
1852 of algebraic topics. Functional relationships provide the basis for equations. Data
9 organization, numerical patterns, and relationships are presented to increase understanding
of functions. Focus is on learning to express these relationships orally, pictorially, graphically,
and symbolically. **Prerequisite:** Department recommendation.
- 1151** **Algebra I (1 Credit)** covers topics including the real number system and its properties,
1152 solving and graphing one- and two-variable equations and inequalities, polynomials, and
9 problem solving. **Prerequisite:** Department recommendation.
- 1871** **Honors Geometry (1 Credit)** focuses on a theoretical study of the concepts of Euclidean
1872 plane and solid geometry, inductive and deductive reasoning, and transformational and
9-10 analytical geometry. An axiomatic and rigorous approach for analyzing proofs is introduced.
Also included is the study of right triangle trigonometry, laws of sines and cosines, and
applications of trigonometry. **Prerequisite:** A minimum grade of "B" is required in both
semesters of Honors Algebra I or teacher recommendation.
- 1721** **Geometry (1 Credit)** maintains and integrates algebraic skills and concepts. Geometric
1722 principles are applied to real-world situations through modeling, interdisciplinary connections,
10 and deductive arguments for learning critical-thinking and problem-solving skills.
Prerequisite: Algebra I.
- 1861** **Honors Algebra II (1 Credit)** continues to refine the understanding of the language of
1862 Algebra, structure of the number system, and the manipulations of algebraic equations.
10-11 Mathematical principles that are needed for the advanced study of mathematics, including
probability, counting methods, data analysis and trigonometry are covered. An emphasis is
placed on the understanding of functions. Technology is used as a problem-solving tool.
Prerequisite: A minimum grade of "B" is required in both semesters of Honors Geometry or
teacher recommendation.
- 1551** **Algebra II (1 Credit)** uses functions as a unifying theme including linear, exponential,
1552 logarithmic, quadratic, radical, and polynomial functions. Graphing is emphasized and
11 relationships between graphs and equations are developed. Technology is used as a
problem-solving tool. Probability and data analysis are explored. **Prerequisite:** Geometry.
- 1631** **Honors Trigonometry/Pre-Calculus (1 Credit)** studies polynomial, rational, exponential,
1632 logarithmic, and circular trigonometric functions and their graphs in detail. It introduces, on
11-12 an informal basis, the ideas of limits, continuity, and differentiation. **Prerequisites:** A
minimum grade of "B" in both semesters of Honors Algebra II or teacher recommendation.
- 1611** **Trigonometry/Pre-Calculus (1 Credit)** presents an in-depth study of circular functions and
1612 the trigonometric functions of right triangles. Solving identities, graphing trigonometric
12 functions, and application of the laws of sines and cosines in solving triangles are covered.
There is a focus on applications of functions and their inverses. **Prerequisite:** A minimum
grade of "B" is required in both semesters of Algebra II or teacher recommendation.

- 1911 Honors Advanced Placement Calculus AB (1 Credit)** develops the basic concepts of calculus, limits, and continuity. Derivatives, differentials, and integrals and their applications are covered in depth. A wide variety of mathematical problems are examined including area, volume, and related rates. The Advanced Placement Calculus AB Examination is taken in May. **Prerequisite:** A minimum grade of "B" is required in both semesters of Honors Trigonometry/Pre-Calculus or teacher recommendation.
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- 1581 Trigonometry/Advanced Algebra (1 Credit)** covers trigonometric topics which include angles in standard position, right angle trigonometry, and the laws of sines and cosines. The course further develops the study of Algebra concepts. Statistics topics are covered including displays of data and measures of central tendency. The course is closed to students who have taken any honors math courses. **Prerequisite:** Algebra II and teacher recommendation.
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SCIENCE DEPARTMENT

- 2200** **Biology (1 Credit)** uses the scientific method and studies biochemistry, cells, microorganisms, photosynthesis, respiration, genetics, DNA/RNA, mitosis, meiosis, ecosystems, evolution, classification, and the human body. Investigative work in a laboratory setting reinforces critical and analytical thinking.
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- 2100** **Honors Biology (1 Credit)** uses the scientific method and studies biochemistry, cells, microorganisms, photosynthesis, respiration, genetics, DNA/RNA, mitosis, meiosis, ecosystems, evolution, classification, and the human body. Investigative work in a laboratory setting reinforces critical and analytical thinking. In addition, students complete a research project every quarter based on topics covered at the time. **Prerequisite:** Counselor recommendation.
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- 2500** **Physical Science (1 Credit)** introduces the fundamental behavior of matter and energy. Basic concepts of motion, heat and temperature, waves and sound, electricity, and light are presented. Basic chemistry principles regarding the structure and states of matter, the atom, its electronic configuration, bonding, and chemical reactions are studied. Reasoning skills are developed and hands-on laboratory activities are used to reinforce theoretical concepts.
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- 2650** **Honors Chemistry (1 Credit)** is designed for students preparing to major in science or engineering at the university level. Critical thinking and the scientific inquiry methods are used in laboratory investigations to study chemistry concepts and principles. Topics include the composition of matter, the atom and electron configuration, chemical formulas and reactions, stoichiometry, gas laws, solutions, and organic chemistry. Proficiency in solving formulas, interpreting and solving work problems, scientific notation, conversions, proportions, and solving for a variable in an equation is an integral part of the course. **Prerequisite:** A minimum grade of "B" is required in both semesters of Honors Biology or a minimum grade of "A" in both semesters of Physical Science; a minimum grade of "B" in both semesters of Honors Algebra I or Honors Geometry; or a minimum grade of "A" in both semesters of Algebra 1 and Geometry and teacher recommendation.
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- 2710** **Chemistry (1 Credit)** examines the composition of substances and the changes they undergo. Major emphasis is on the structure and states of matter, reactions, the atom and its electronic structure, bonding, solutions, and acid-base theory. Through experimentation, observation, and measurement in the laboratory, chemical concepts and principles are developed and data from experiments are analyzed. Scientific calculations using algebraic skills are applied.
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- 2600** **Anatomy and Physiology (1 Credit)** provides an in-depth study of anatomical structures and the physiology of the systems of the human body. Use of visual aids, clinical cases, and the mechanisms of diseases facilitate learning and understanding. The required dissection of a fetal pig or cat in a laboratory setting is used as a culminating activity for a comparative anatomical study. **Prerequisite:** A minimum grade of "B" is required in both semesters of Biology or a minimum grade of "C" is required in both semesters of Honors Biology.
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- 2150** **Honors Advanced Placement Biology (1 Credit)** is designed to meet the objectives of an introductory college-level biology course. Topics include biochemistry, cell physiology, molecular biology, ecology, genetics, plant and animal anatomy, and physiology. Students
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are involved in extensive laboratory work. The Advanced Placement Biology Examination is taken in May. **Prerequisite:** A minimum grade of “B” is required in both semesters of Honors Biology and Honors Chemistry or teacher recommendation.

- 2810** **Honors Advanced Placement Chemistry (1 Credit)** presents the equivalent of the
2811 general chemistry course taken during the first year of college. Students attain a depth of
11-12 understanding of fundamentals and reasonable competence in dealing with chemical problems. The course includes topics that emphasize chemical calculations, mathematical formulation of principles, and laboratory procedures and investigations. The Advanced Placement Chemistry Examination is taken in May. **Prerequisite:** A minimum grade of “B” is required in both semesters of Honors Chemistry or a minimum grade of “A” is required in both semesters of Chemistry and teacher recommendation.
- 2826** **Physics (1 Credit)** covers the basic principles of mechanics, waves, sound and
2827 magnetism. Demonstrations and laboratory procedures are used to reinforce theoretical
12 concepts. Trigonometric and higher mathematical skills are applied to topics covered. This course is intended for students who want to pursue careers in the medical and engineering fields that require a background in physics. This course cannot be taken for math credit. **Prerequisite:** A minimum grade of “B” is required in both semesters of Chemistry, and a “B” average in Trigonometry/Pre-Calculus or concurrent enrollment.
- 2830** **Honors Physics (1 Credit)** covers the basic principles of mechanics, waves, sound, and
2831 magnetism. Demonstrations and laboratory procedures are used to reinforce theoretical
12 concepts. Rigorous application of trigonometric and higher mathematical skills are applied to topics covered. This course is intended for students who want to pursue careers in the medical and engineering fields that require a background in physics. This course cannot be taken for math credit. **Prerequisite:** A minimum grade of “B” is required in both semesters of Honors Chemistry or a minimum grade of “A” is required in both semesters of Chemistry and teacher recommendation, and a “B” average in Trigonometry/Pre-Calculus or concurrent enrollment.
- 0274** **Environmental Science (1/2 Credit)** includes fundamental principles of ecology,
12 hydrology, geology, population dynamics, land-use management, and related fields as the basis for understanding the major environmental issues that face our planet. Environmental concerns such as climate change, soil and water pollution, acid rain and related atmospheric pollution problems, habitat destruction, species extinction, waste disposal, and alternate “green” energy resource development are investigated.
- 0278** **Forensic Science (1/2 Credit)** is the science that helps “solve crimes.” Students learn how
12 different types of evidence are analyzed, the procedures for processing a crime scene, and how scientific principles are applied to legal matters. A variety of other topics of an “organic” or biological nature are covered including fingerprinting, DNA analysis, forensic pathology, and hair analysis. “Inorganic” themes such as crime scene processing, firearms and tool mark analysis, fibers, and eyewitness evidence are also investigated.
- 0285** **Introduction to Clinical Medicine (1/2 Credit)** surveys health professions in a hospital
12 setting. Topics covered include methods of diagnosis and treatment, medical and surgical subspecialties, hospital administration, and support professions. Tours may involve laboratories, operating rooms, intensive care units, and specialty areas. Classes meet after school two days a week at St. John Hospital (Macomb) during the second semester. Credit for Introduction to Clinical Medicine is not counted in the 27 credits needed for graduation.

SOCIAL STUDIES DEPARTMENT

- 3140** **World History and Geography (1 Credit)** examines Western Civilization from the classical period to the rise of the nation-state. Significant and recurring themes are explored; key historical concepts and events are clarified; and critical-thinking skills are developed. The different ways in which geography has impacted the history of the world are studied.
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- 3180** **Honors World History and Geography (1 Credit)** provides an in-depth study of Western Civilization from the classical period through the rise of the nation-state. A conceptual and analytical study of historical events is emphasized. The impact of geography on key historical events is examined. **Prerequisite:** Counselor recommendation.
- 3181**
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- 3220** **U.S. History and Geography (1 Credit)** reviews key events and concepts in United States history through the Civil War. The emphasis of the course is on the examination of key historical events, time periods, and concepts from Reconstruction (1877) to the present and the impact they had in shaping the American experience.
- 3221**
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- 3450** **Honors Advanced Placement European History (1 Credit)** covers the time period from the Renaissance to the present. Significant people, places, events, movements, time periods, and themes are analyzed. Historical readings and primary source documents are used to help students develop their critical thinking and analytical skills in writing. The Advanced Placement European History Examination is taken in May. **Prerequisite:** A minimum grade of “B” is required in both semesters of Honors World History or teacher recommendation.
- 3451**
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- 3750** **Honors Advanced Placement U.S. History (1 Credit)** stresses the careful reading and analysis of the history of our nation. Primary and secondary sources and suggested readings are utilized to enhance a conceptual and thematic approach to the units of study. Analytical and critical thinking skills are applied. Tools and methodologies of historical research are taught to prepare individual written assignments. The Advanced Placement U.S. History Examination is taken in May. **Prerequisite:** A minimum grade of “B” is required in both semesters of Honors Advanced Placement European History or teacher recommendation.
- 3751**
11
- 0330** **American Government (1/2 Credit)** studies the meaning of democracy; the principles of constitutional government; federalism; the legislative, executive, and judicial branches of the United States government; and the presidential election process. The operations of local and state governments are reviewed.
- 0330**
11
- 0383** **Honors Economics (1/2 Credit)** examines fundamental components of macro and micro economic concepts, theories, and applications. In so doing, a solid foundation for college economics is provided. Emphasis is placed on market functioning, business and labor, money and banking, and measuring economic performance. **Prerequisite:** A minimum grade of “B” is required in both semesters of Honors Advanced Placement European History or teacher recommendation; or a minimum grade of “A” is required in both semesters of U.S. History and Geography and teacher recommendation.
- 0383**
11

- 0382**
11 **Economics (1/2 Credit)** introduces key economic concepts and principles that provide a solid foundation for any introductory college economics course. Topics include the definition of economics, the concept of scarcity, supply and demand, costs, prices, and output in a competitive market. In addition, business cycles measuring national income, the concept of money, and the role of business, labor, and government in the economy are explored.
- 3325**
12 **U.S. History Through Film (1/2 Credit)** explores modern American history through the medium of film. Using historical and contemporary samples, students view, discuss and write about topics related to the political, social, economic and racial history of the United States. Themes in history such as slavery, the Great Depression, the Holocaust, the Second World War, the Civil Rights Movement, and Vietnam are examined. The impact of racism, poverty, corruption, patriotism, and historical ideology on contemporary American culture is studied.
- 0372**
12 **Introduction to Law (1/2 Credit)** focuses on the history of the United States legal system and the operation of the court system, specifically the Supreme Court. Emphasis is placed on the Bill of Rights and how Supreme Court rulings have affected individual rights. Criminal law and the criminal justice system, civil law, and the legal rights of families and consumers are covered. Students are invited to participate in the Michigan High School Mock Trial that occurs in the spring.
- 0380**
12 **Psychology (1/2 Credit)** covers the history of psychology, basic principles of learning, theories of memory, the development of human behavior, and personality disorders and their treatment. Discussions and experiments supplement the text.
- 0376**
12 **Sociology (1/2 Credit)** presents a critical examination of society and its institutions. Areas of study include sociological history, early sociologists, and the development of theoretical perspectives. Similarities and differences between cultures, variations within cultures, and the various institutions within society are analyzed. The study of current social problems that impact American social institutions is incorporated throughout the course.
- 0384**
12 **Honors Advanced Placement Psychology (1/2 Credit)** examines human behavior in terms of motivation, maturation, learning, altered states of consciousness, personality theories, illness, and therapy. Research on theories and other relevant topics of psychology are stressed. The Advanced Placement Psychology Examination is taken in May. **Prerequisite:** A minimum grade of "B" is required in both semesters of Honors Advanced Placement U.S. History or teacher recommendation.
- 0385**
12 **Honors Advanced Placement U.S. Government and Politics (1/2 Credit)** presents a college-level approach and understanding of the U.S. government. Students acquire knowledge of facts, concepts, and theories pertaining to U.S. government and politics; understand typical patterns of political processes and behavior and their consequences; and analyze and interpret data and relationships in U.S. government and politics. The Advanced Placement U.S. Government and Politics Examination is taken in May. **Prerequisite:** A minimum grade of "B" is required in both semesters of Honors Advanced Placement U.S. History or teacher recommendation.

TECHNOLOGY DEPARTMENT

- 0701**
9 **Computer Applications (1/2 Credit)** develops skills needed in typical student applications including word processing, spreadsheet, and presentation software. Skills learned are used in other curriculum areas and include operating system and file management on a network, basic Google Drive management, productive internet search techniques, and information presentation. Students gain an understanding of the ethical, cultural, and societal issues related to technology as well as responsible use of technology systems, information, and software. All incoming freshmen are required to take the course to ensure they have the same software skill set for cross-curricular implementation. Students are required to touch type at a rate of 30 adjusted words per minute by course end.
- 0703**
11-12 **Digital Design and Media (1/2 Credit)** offers students the opportunity to develop digital art, image, and document creation and editing skills through the use of the Serif Design Suite DrawPlus/PhotoPlus/PagePlus components. Students use drawing and image-editing software to modify and enhance digital graphics, as well as incorporating them into publications. Along with artistic and creative development, technology skills useful in educational, commercial, and personal endeavors are acquired through attention to detail. The course helps students to participate more effectively in Journalism and Yearbook courses and provides an introduction to graphic design as a career field. This course may be offered as an online option only. **Note:** One-half (1/2) credit can be used to fulfill a Fine Arts requirement with Counselor approval. **Prerequisite:** Computer Applications.

Business Technology

- 0738**
11-12 **Independent Living (1/2 Credit)** offers information and self-directing skills for the young adult entering college and/or living independently. Topics include career skills (self-assessment; investigating, researching and choosing a career; career pathing; job searches; job applications; cover letters; resume writing; and interview skills), personal banking, credit, loans, budgeting, taxes, stress management, and housing and transportation options.
- 0722**
11-12 **Marketing and Management (1/2 Credit)** introduces the key concepts, principles, and functions of marketing. The course covers aspects of marketing, advertising, production, inventory management, sales, and the costs of introducing a new/updated product into the marketplace. This course may be offered as an online option only.
- 7210**
11-12 **Accounting (1/2 Credit)** provides students with a strong foundation in double entry accounting procedures. Principles covered include accounting style, financial statements, journal and ledger entries, and accounts payable and receivable. This course may be offered as an online only option.

THEOLOGY DEPARTMENT

- 8010** **Sacred Scripture (1/2 Credit)** focuses on general knowledge of and appreciation for the Sacred Scriptures. The major sections and books of the Old and New Testaments are studied and interpreted in light of the teaching of the Magisterium of the Church. Particular attention is given to the Gospels as a foundation for developing a more personal relationship with the Living Word of God, Jesus Christ.
9
- 8020** **Christology (1/2 Credit)** introduces the Mystery of Jesus Christ who is the Living Word of God and Second Person of the Blessed Trinity. Through a study of Jesus Christ as the ultimate revelation from God, students learn who He is and who He calls them to be.
9
- 8030** **Paschal Mystery (1/2 Credit)** focuses on the Paschal Mystery of Christ. After an examination of why salvation is necessary, emphasis is placed on the Gospels, early events of Jesus' life, and the teaching and healing ministries of Christ. Through a study of the suffering, death, resurrection, and ascension of Jesus, students learn about the effects of the Paschal Mystery on their lives and how to live as a disciple of Christ through virtue, self-sacrifice, and prayer.
10
- 8040** **The Church: Our Story (1/2 Credit)** teaches that the Church, with both divine and human elements, is the Living Body of Christ in the world. Within an historical context, students study the marks of the Church, its enduring and developing nature, and the people of God. Further models of the Church as Teacher, Sacrament, Servant, and a Communion of Saints are examined.
10
- 8050** **Sacraments (1/2 Credit)** helps students understand that they can encounter Christ today in a full and real way in and through the sacraments, especially through the Eucharist. Students examine each of the sacraments in detail so as to learn how they may encounter Christ throughout life.
11
- 8060** **Moral Theology (1/2 Credit)** helps students understand that it is only through Christ that they can fully live out God's plans for their lives. Students learn the moral concepts and precepts that govern the lives of Christ's disciples.
11
- 8090** **Catholic Social Teaching (1/2 Credit)** introduces students to the Church's social teaching. Students learn how Christ's concern for others, especially the poor and needy, is present today in the Church's social teaching and mission. Themes include the dignity of human life, call to family, community and participation, rights and responsibilities, preferential option for the poor, dignity of work and the rights of workers, solidarity, and care for God's creation.
12
- 8070** **Christian Lifestyles (1/2 Credit)** presents modes of living available to the contemporary Christian woman. Marriage and family life, and the single and consecrated lifestyles are examined. Lifestyle issues and choices are studied in light of the Gospel and the teaching of the Catholic Church.
12

8800 **Christian Community Service (1/2 Credit)** is designed to help students put into practice the Christian teaching of service to others. Through the Christian Community Service program, students are required to commit their time and talents to assist others. A written component in which students reflect on and connect their service to both their faith lives and the Theology curriculum is submitted to the Theology teacher each semester. Credit is issued in the second semester of the senior year.

9-12

All students must complete 60 hours of community service as part of the requirement for graduation from Regina High School. Students begin the service requirement in the freshmen year and complete the necessary hours during the senior year. If a student does not complete the required number of hours and submit a reflection paper by the semester due date, an “incomplete” is recorded for the Theology semester grade. Once the hours and/or essay are submitted and accepted, the semester grade is posted. Requirements for transfer students are determined on an individual basis.

The scope and sequence of the faith development program and all Theology courses at Regina High School are in compliance with the U.S. Catholic Bishops’ document, *Doctrinal Elements of a Curriculum Framework for the Development of Catechetical Materials for Young People of High School Age.*

GENERAL ELECTIVES

- 7170** **Freshman Seminar (1/2 Credit)** improves proficiency in reading comprehension, writing competency, and study skills in all content areas. Reading instruction emphasizes strategies including determining main ideas, identifying supporting details, constructing meaning, analyzing cause and effect, drawing conclusions, and vocabulary development. Writing practice reinforces grammar and punctuation in developing good sentence structure. Topics that build effective study habits include goal setting, time management, appropriate study environment, note taking, outlining, and test taking. **Prerequisite:** Counselor recommendation.
- 9**
- 0753** **Yearbook Production (1/2 Credit)** develops the skills needed to produce our school yearbook, the *Crown*. The course teaches students to understand the function of a yearbook; conceptualize a theme that includes copy and graphics; understand and apply the journalism concepts of graphic design, photography, interviewing, writing copy and captions, publishing, and marketing; learn and utilize Jostens' online software to create the yearbook; successfully participate and work in groups; and utilize time management and project planning techniques to set goals and meet deadlines. Students are required to sell a set number of business ads as part of the course grade. **Note:** One-half (1/2) credit can be used to fulfill a Fine Arts requirement with Counselor approval. **Prerequisite:** Counselor and teacher recommendations, interview, and Yearbook Advisor recommendation.
- 11-12**
- 7520** **Yearbook Management (1 Credit)** is an editorial position earned through competency, commitment, and leadership. An editor's responsibilities involve overseeing all aspects of yearbook production. This includes planning the coverage of the yearbook; designing page layouts; setting and monitoring deadlines; providing training, aid, and direction to section teams; editing pages, managing ad sales; checking proofs; managing file maintenance; and publishing the *Senior Scepter*. **Prerequisite:** Yearbook and Yearbook Advisor recommendation.
- 7521**
- 12**

Students with necessary skills and qualifications can elect an Assistant or Service Program. Credit is earned as in any regular course. All programs need the consent of the person in charge. Credit granted for the Assistant Programs are not counted in the 27 credits needed for graduation.

- 0790 9-12 Athletic Team Assistant** offers students an opportunity to earn one-half (1/2) credit for two or more years of work with an interscholastic team or one year with different interscholastic teams in the same year. Students are involved in calculating and compiling individual and team statistics per game, per week, mid-season, and the final totals for the season. Attendance at all home and away games, matches, and meets for junior varsity and/or varsity teams is required. Accurate records of all statistics are given to the respective team coaches.
- 0782 12 Computer Assistant** works under the direction of the Network Administrator in supporting and maintaining the school computer network and school website. In this capacity, the student can be involved in basic hardware and software maintenance, staff assistance, and various clerical duties as determined by the Network Administrator.
- 0782 12 Library Assistant** performs general library work such as processing material, shelving books, and organizing library materials. Library assistants help update and maintain display cases. Semester projects may include thinning a section of the library, deleting materials, shelf-reading, and performing inventories.
- 0751 10-12 Light and Sound Technology Assistant** provides hands-on experience in working with all sound and light equipment. Crew chiefs are selected from those who have rendered two years of service or demonstrated keen knowledge of school equipment. Crew chiefs assist in training new personnel and act as liaisons to event coordinators. One-half (1/2) credit is earned for two years of participation. The faculty/staff member in charge certifies credit in writing.
- 0784 12 Office Assistant** helps in the Attendance, Guidance, Public Relations, and Campus Ministry offices with general routine clerical work that includes filing, in-school errands, circulation of messages, and use of the copy machine.
- 0786 12 Physical Education Assistant** serves as a gym aide, official, and a demonstrator of techniques needed in the various activities. Under the direction of the teacher, the assistant helps in routine clerical work.