



SRC is a member of the San Joaquin Valley Christian School Association, whose aim is to educate the whole child for Christ.

SRC accreditation is through Western Association of School and Colleges, WASC, and the Association of Christian Schools International. We are also members of Christian Schools International, CSI.



**STONE RIDGE
CHRISTIAN**

Building Excellence, Shaping Generations

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**STONE RIDGE
CHRISTIAN**

Building Excellence, Shaping Generations

2017 High School Course Catalog

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CSU and UC REQUIREMENTS

A. History/Social Science	Two years, including one year of world history, cultures and historical geography and one year of U.S. history, or one-half year of U.S. history and one-half year of American government or civics.
B. English	Four years of colleges preparatory English that integrates reading of classic and modern literature, frequent and regular writing, and practice listening and speaking.
C. Mathematics	Three years of college-preparatory mathematics that include or integrate the topics covered in elementary and advanced algebra and two- and three-dimensional geometry.
D. Laboratory Science	Two years of laboratory science providing fundamental knowledge in at least two or the three disciplines of biology, chemistry and physics.
E. Language Other Than English	Two years of the same language other than English or equivalent to the second-level of high school instruction.
F. Visual & Performing Arts	One year chosen from dance, drama/theater, music or visual art.
G. College Preparatory Electives	One year chosen from the "a-f" courses beyond those used to satisfy the requirements above, or courses that have been approved solely in the elective area.

MISSION, VISION, CORE VALUES & ESLRS

Mission Statement

Together with parents and the church, San Joaquin Valley Christian School Association exists to educate students in developing their unique God-given potential.

Our Vision

Students will be equipped academically, spiritually, physically and socially to impact their community and the world for God.

Core Values

Christian—all activities are experienced through the lens of Christian faith; guide students to understand that God is at the center of every pursuit of knowledge.

Excellent—pursue excellence in all areas

Community—become a community and be involved in our community

Generational—a lasting school that has generations of students and supporters.

ESLRs (Expected School-Wide Learning Results)

1. SRC graduates will demonstrate an understanding of Biblical knowledge and truth with the purpose of developing a Christian world view and a personal, defensible relationship with Jesus Christ.
2. SRC graduates will demonstrate proficiency in the academic disciplines.
3. SRC graduates will demonstrate critical thought processes as they solve problems through analysis, synthesis, and evaluation.
4. SRC graduates will demonstrate verbal, written, and technological skills for effective communication.
5. SRC graduates will demonstrate interpersonal skills by cooperatively and effectively contributing to their school and community.

GRADUATION REQUIREMENTS

Subject Area	Credits	Years
Bible*	40	4
English	40	4
Social Science	40	4
Math	30	3
Physical Education/Health	20	2
Science	20	2
Visual/Performing Arts	10	1
World Language	20	2
Electives	30	3

The minimum credits required to graduate are 250.

Stone Ridge Christian High School curriculum and graduation requirements make no provision for early graduation. Therefore, graduation requires a minimum of four full years of high school. Attending summer school or carrying more than a normal load during the regular school year should be regarded as an enrichment of the student’s education rather than an accelerated program.

Students must maintain a GPA of 2.0 for continued enrollment in Stone Ridge Christian High School.

A senior will not be awarded a diploma and may not participate in the graduation ceremony until he or she has completed all requirements and accumulated the total credits necessary. Students on academic probation or conduct probation or who are in violation of any policy or procedure of Stone Ridge Christian High School may not be permitted to graduate until they have completed all requirements to be removed from probation.

Seniors meeting graduation requirements may be permitted to have an unscheduled first or last period. They must, however, leave campus. Students are expected to be at Stone Ridge Christian High School for a full seven period day unless participating in a technical program or college program in their senior year.

*Bible is required for each semester of attendance at Stone Ridge Christian High School. Required Bible credits are waived for any semester that the student does not attend Stone Ridge Christian High School.

A-G APPROVED COURSES

SRCHS APPROVED A- G COURSES FOR UNIVERSITY OF CALIFORNIA & CALIFORNIA STATE UNIVERSITY

A – HISTORY

World History	US History	World History
AP US History	US Government	
Geography & Cultures		

B – ENGLISH

English 9	English 9 Honors*	English 10
English 10 Honors*	American Literature	British Literature
AP English Language & Composition		
AP English Literature & Composition		

C – MATHEMATICS

Algebra I	Geometry	Algebra II
Pre-Calculus/ Trigonometry	Statistics	AP Statistics
AP Calculus AB		

D – LABORATORY SCIENCE

Biology I (CSU Life Sci)	Human Anatomy & Phys. (CSU Life Sci)
AP Biology (CSU Life Sci)	Chemistry (CSU Phy Sci.)
AP Chemistry (CSU Phy Sci)	Physics (CSU Phys Sci)
AP Physics 1 (CSU Phy Sci)	

E – LANGUAGE OTHER THAN ENGLISH (LOTE)

Spanish I	Spanish II	Spanish III
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F-VISUAL/PERFORMING ARTS

Art I	Photographic Design	Choir
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G-ELECTIVES COURSE

Economics

**Though internal honors credit is given, the UC does not calculate an honors grade point for this course. Other colleges may assign honors credit.*

AP COURSES

Be Prepared

Right now is the best time to prepare for college. During the next four years, you need to take the right courses to help you get into the College that best suits your needs. The chart below lists the courses that are required for freshman admission to the California State University, the University of California, and many independent colleges and universities (grade C or better is required.) This pattern of courses is the same as recommended for community colleges. Specific course requirements are as follows:

SRCHS Advanced Placement and Honors Courses

Stone Ridge Christian High School is committed to offering our students academically challenging courses in order to prepare them for any college environment. One avenue to reach courses of college-level rigor is through our Advanced Placement (AP) courses. The 2018 fee for taking each AP exam is \$93.00 with a passing score in the exam in May students may receive college credit.

AP and Honors Courses

The SRCHS AP program prepares students for 8 AP exams, including:

- AP English Language
- AP English Literature
- AP Statistics
- AP Calculus AB
- AP Biology
- AP Chemistry
- AP Physics 1
- AP US History

In addition to the AP program, SRCHS offers the following 2 honors courses:

- English 9 Honors*
- English 10 Honors*

*Though internal honors credit is given, the UC does not calculate an honors grade point for this course. Other colleges may assign honors credit.

COURSE OFFERINGS

AVIATION	6
Aeronautic	
AGRICULTURE	6
Agriculture Biology	
Agriculture Leadership & Technology	
Art & History of Floral Design	
Exploration in Agriculture	
BIBLE	7
Bible 1 : Christianity in Our Culture & Bible Doctrine	
Bible 2: Old Testament Survey & Studies	
Bible 3: New Testament Survey & Studies	
Bible 4: Apologetics and Applied Ethics	
BUSINESS & TECHNOLOGY	9
Keyboarding/Introduction to MS Office Applications	
Speech & Debate	
ENGLISH	10
English 9	English 9 Honors
English 10	English 10 Honors
English 11 American Literature	
English 12 British Literature	
Creative Writing	
AP English Literature and Composition	
AP English Language and Composition	
FAMILY AND CONSUMER SCIENCES	13
Child Development	
MATHEMATICS	13
Algebra I	
Geometry	Algebra II
Pre-Calculus/Trigonometry	AP Calculus AB
Statistics	AP Statistics
NEW MEDIA STUDIES	16
TV Broadcast Journalism	
Digital Journalism	

COURSE OFFERINGS

PERFORMING ARTS **17**

Choir
 Worship Team Ensemble
 Improvisation Theater

PHYSICAL EDUCATION **17**

Lifetime Fitness & Health	Football Performance
Christian Athletic Leadership	Indoor/Outdoor Performance
Athletics	

SCIENCE **18**

Biology	AP Biology
Chemistry	AP Chemistry
Physics	AP Physics 1
Environmental Science	
Human Anatomy and Physiology	

SOCIAL STUDIES **20**

Geography & Cultures	Origins of Global Issues
World History	U.S. History
AP US History	American Government
Economics	

VISUAL ARTS **21**

Art 1	Art 2
Yearbook	Photographic Design

WORLD LANGUAGES **22**

Spanish 1	Spanish 2
Spanish 3	

ELECTIVES **23**

Library Media Assistant
 Office Aide
 Student Government
 Teacher's Aide
 Unscheduled Morning or Afternoon (Sr. only 1st or 7th)

COLLEGE PREPARATION CLASSES

11th Grade

Juniors are enrolled in our SAT preparation class. They will take the PSAT/NMSQT test intended to help students evaluate skill levels in three critical academic areas: preparation for the SAT, compare their readiness for college-level work with that of their peers, and enter scholarship competitions (National Merit Scholarships). The PSAT/NMSQT scores are not for use by colleges as part of their admission criteria, however, these scores can be used to estimate SAT scores. Test reports given to each student includes an personalized analysis of their areas of weakness as well as specific suggestions for improvement.

12th Grade

Seniors are enrolled in our "College and Life" preparation class. In this class, students learn how to effectively fill out college applications, how to write application essays, how to apply for scholarships. Students also learn skills required for living on their own. Seniors will go on a full day "Senior Retreat" based on a biblical foundation for life after high school. During the second semester, students will strengthen and develop post-secondary life skills with units and activities regarding campus life, college issues, and financial education.

COLLEGE PREPARATION CLASSES

Students at Stone Ridge take what we refer to as *College Preparation classes* one day a week for 35 minutes. These classes are provided as a service so that our students are well prepared for the world beyond high school. These classes are non-credit and non-graded courses.

9th Grade

Freshman begin their year by learning how to successfully survive in high school. They learn how to study and how to apply these effective study skills to test taking, reading passages from their textbooks, and/or writing papers. Freshman also learn how to organize homework. Freshman will also take the PSAT 8/9 test that will help them and teachers figure out what they need to work on the most so that they are ready for college when they graduate from high school. It tests the same way as the PSAT/NMSQT in a way that make sense for their grade level.

10th Grade

Sophomores are enrolled the ASVAB test, an multiple-aptitude battery that measures developed abilities and helps predict future academic and occupational success. Career planning is a lifelong process. Many students try to make decisions about college or careers before they really spent time thinking about their own interests, values and abilities. The ASVAB Exploration Program is designed to help students learn more about themselves. It can help identify students interests, clarify what is important to them and better understand their abilities. Knowing about work-related interests can help determine career fields or occupations that are potentially satisfying. Students also prepare for the SAT test.

COURSE DESCRIPTIONS

AVIATION

Aeronautics

The course presents an overview of aviation, enabling the student to gain an appreciation of the complexities of the field of aeronautics. Course content includes aircraft structures, principles of flight, aerodynamics of flight, flight controls, aircraft systems, flight instruments, flight manuals and documents, weight and navigation, aero medical factors, and aeronautical decision making.

AGRICULTURE

Agriculture Biology

Designed for the college-bound student with career interests in agriculture, the course emphasizes the following topics: the molecular and cellular aspects of life; the chemical and structural basis of life; energies of life; growth and reproduction in plants and animal genetics; taxonomy of modern agricultural plants and animals; health and diseases in animals; and the similarities between animals and humans. Extensive laboratory activities connect the major ideas of life science with agricultural applications. The course emphasizes written and oral reporting skills.

Agriculture Leadership & Technology

This is an agribusiness course designed to train students as team leaders. Students practice leadership and employability skills by combining computers, technology, and advanced communication skills.

Art & History of Floral Design

Art and History of Floral Design provides students with a basic knowledge of artistic perception, creative expression, historical and cultural context (s), aesthetic valuing and connections, relations, and application of the visual art through the design of floral arrangements. Students will connect and apply what is learned in floral art to other art forms, subjects, and post-secondary educational experiences and careers.

COURSE DESCRIPTIONS

Exploration in Agriculture

This course is for students interested in being involved exploring and developing skills in: California Agriculture, FFA, leadership, public speaking, record keeping, agricultural business, horticulture, plant science, animal and veterinary science.

BIBLE

Recommended Bibles: English Standard Version or New King James

Since the Bible is the Word of God, the infallible rule of faith and practice for all men, the study of the Bible is central to the mission and program of Stone Ridge Christian High School. The Bible curriculum includes Old and New Testament surveys and direct studies in both the Old and New Testaments. This is not to prove denominational or sectarian points of view but to learn directly about His desired relationship between God and man through the Lord Jesus Christ. The purposes for these studies are to deepen the student's personal faith in Jesus Christ as Lord and Savior, to learn God's principles for daily life, and to allow Him to integrate all truth and knowledge through His truth. Bible is a required subject for grades 9 through 12.

Christian Community Service Requirement

Upon entering Stone Ridge Christian High School, students commit to completing 25 hours of community service each year. Students must turn in at least 12.5 hours of community service each semester for grading purposes. The students will help others discover a sense of purpose, experience success in new areas, gain job experience, grow in self-esteem, have fun and make a difference in their local churches and community. Completed hours will be logged and monitored through the student's Bible class. The community service requirement is not complete until a Reflection Paper is turned in at the end of each year to the Bible teacher. Ten percent (10%) of each semester's Bible class grade for all students will be based on satisfactory completion of service hours.

BIBLE 9: Christianity in Our Culture and Bible Doctrine

At the beginning of the course, students are taught Bible Study skills. The course continues with Christianity in our Culture which probes the great questions of the Christian faith in the context of our post-modern culture. Questions such as, "Is Christ the only way to God?", "Does the

GRADING

A standard grading percentage scale is used school wide:

Excellent	93% - 100%	A
	90% - 92%	A-
	87% - 89%	B+
Good	83% - 86%	B
	80% - 82%	B-
	77% - 79%	C+
Average	73% - 76%	C
	70% - 72%	C-
	67% - 69%	D+
Below Average	63% - 66%	D
	60% - 62%	D-
	60%	F

The following scale is used for computing grade point averages:

<u>Standard Courses</u>	<u>AP Courses*</u>
A = 4	A = 5
B = 3	B = 4
C = 2	C = 3
D = 1	D = 2
F = 0	F = 0

Grade of Incomplete = 0 Credits

*Students enrolled in AP courses must take the AP exam in order to receive extra grade point.

Citizenship Grades are as follows:

- O = Outstanding
- S = Satisfactory
- N = Needs Improvement
- U = Unsatisfactory

COURSE DESCRIPTION

guage with increasing emphasis on fluency and facility in reading and writing. Students will read short stories, novelettes and the Bible in Spanish. A general grammatical overview is given to review and to reinforce the previous two years of instruction.

Pre-Requisite: Spanish II with a C or higher.

ELECTIVES

Student Government

This course is designed for executive members of the student council. Emphasis will be placed on the practical aspects of governmental operations including parliamentary procedure, budget planning and implementation, coordination of activities, and basic principles of leadership.

Pre-Requisite: Must be elected to the student council.

Library Media Assistant

Good computer skills are essential. This course is designed to help students develop skills and basic knowledge which will enable them to use a library more effectively. Students will have the opportunity to practice the skills by assisting other students and staff. Students are trained in methods of filing, recordkeeping, circulation procedures, and other clerical library routines.

Office Aide

Students enrolled in this class will be working in the office with the school secretary. The students may be expected to do filing, typing, answering the telephone, delivering messages and other tasks. Students are limited to one year of OA.

Pre-Requisite: Principal's approval.

Classroom Aide

Students will work with a teacher in this class. The student will be expected to do filing, typing, correcting papers and other tasks that will assist the teacher in the classroom. Students are limited to one year of CA.

Pre-Requisites: Teacher and principal permission and regular attendance.

COURSE DESCRIPTIONS

Bible speak to us today?" and "Is all truth relative?" challenge students to examine their own views of God. This class strives to help students recognize the difference between cultural concepts of God and a Biblical understanding of God.

Bible Doctrine investigates tenets of the Christian faith and examines beliefs in basic Christian doctrines such as inspiration, God, man, sin, salvation, angels, deity of Christ and the resurrection. This course challenges students to know what they believe, why they believe it, and how to share their faith with others. It provides insight into the relationship between faith and practical life, discussing life skills related to dating, marriage, and family living. Students memorize appropriate Scripture.

Bible 10: Old Testament Survey and Studies

Old Testament Survey: Surveys the chronological history of the Jewish people recorded in the Old Testament, including their origins, bondage, the giving of the Law, wilderness wanderings, conquests, period of the judges, kings, exile and return. This course emphasizes biblical personalities and their traits, discussing how they can serve as positive or negative examples. Students memorize appropriate scripture and Old Testament themes. Biblical study skills are emphasized. Old Testament Studies focuses on the poetry and prophecy. The students will understand the literary genres used in the biblical literature. This course will guide the students through the history of prophecy and prophets. Their foretelling of Christ is emphasized.

Bible 11: New Testament Survey

Survey the books of the New Testament according to the Gospels, Acts, Paul Epistles, general Epistles, and Apocalyptic literature. Students examine the four Gospels, emphasizing Luke's record of the birth, life, death, and resurrection of Jesus Christ. Students then survey the remaining books of the New Testament in a thematic format. Interwoven with the study of the Biblical texts are special units dealing with life applications. Students also memorize appropriate passages of Scripture. Biblical study skills will be emphasized. New Testament Studies examines specific passages and events recorded in the New Testament, with an emphasis on Biblical study skills. This course teaches students to extract meaning from Biblical passages.

COURSE DESCRIPTIONS

Bible 12: Apologetics and Applied Ethics

Apologetics answers the question, “Are there good reasons to believe Christianity is actually true? It is common in today’s culture to feel that all “Faiths” are equal since religion supposedly does not address matters of truth but matters of preference. The goal of this course is for students to be able to give a culturally relevant, sound and objective defense of the Christian faith through examining the most recent arguments for and against the existence of God, the resurrection of Jesus, the historical accuracy of the Bible and other major topics relating to Christian truth. Students will also be challenged to consider how issues of character and communication may help or hinder their defense of Christianity.

Applied Ethics educates students in the practice of recognizing and creating effective moral arguments. Because morality is viewed as a very personal matter in today’s culture, moral convictions are often very difficult to discuss. This course will challenge students to follow the example of Jesus Christ in expressing ethical convictions with both confidence and grace. Students will examine multiple viewpoints on every day questions of ethics as well as controversial topics such as gender preferences, the death penalty, war and biotechnology.

BUSINESS & TECHNOLOGY

Keyboarding/Introduction to MS Office Applications

This course combines an introduction to the Windows based personal computer with an emphasis on typing skills and use of the major MS Office applications. Students are introduced to the hardware that makes up a computer system. Course content includes keyboard mastery by touch, speed and accuracy drill and instruction to the MS Office applications. Digital citizenship is an integral part of this course. Students will learn to navigate the digital world safely, responsibly and ethically.

COURSE DESCRIPTIONS

level than Art I with more focus on a complete composition. Artwork should be more professional in appearance. Art History will cover the Renaissance through Modern art.

Pre-Requisite: *Art I or with teacher consent. (Meets Fine Art graduation requirement.)*

Photographic Design

This course explores the practical and artistic uses of today’s modern digital cameras. Students learn how to use a digital camera and edit their digital images using the latest image editing software. Students examine the history, theory, and methods of photographic expression, while applying their understanding to the production of their own creative works. Students are exposed to compositional rules and guidelines used in photography. Emphasis is placed upon the elements and principles of art and design.

Yearbook

This course equips a team of students to produce the school yearbook. The students plan the theme, layout, and production, showing a visual picture of the school year.

WORLD LANGUAGES

Spanish 1

This course is an introduction to the Spanish language through listening, speaking, reading and writing. Students acquire the fundamental vocabulary and grammar necessary to carry on a simple conversation.

Spanish 2

This is an intermediate course with a continuing emphasis on listening comprehension and speaking ability with an increased stress on reading and writing skills. The major structure components of the language are presented and drilled through oral and written practice. The different verb tenses are emphasized.

Pre-Requisite: *Spanish I with a C or higher.*

Spanish 3

This course is a detailed review of basic structures of the Spanish lan-

COURSE DESCRIPTIONS

American Government (One Semester)

American Government will focus on the means available for political participation, the different levels and functions of both the federal and local governments, as well as the role in global concerns. Skills in research, data interpretation, and analytical thought are emphasized.

Economics (one semester)

Economics is the study of how society manages its resources. The three main questions that economics answers are: (1) What type of goods and services do we produce? (2) How do we produce these goods and services? (3) Who consumes the goods and services that are produced? Topics to be discussed are supply and demand, various economic systems, the effects of government intervention, market structures, and money and banking. On a personal level, students will learn how money is earned and wisely spent as well as the effects of prices, wages, taxes, interest rates, and credit upon consumers. Christian values will be stressed.

VISUAL ARTS

Art 1

Art is a two semester course that introduces and teaches students the fundamentals of Art and Design. Throughout the school year, students will be taught various lessons, skills, and techniques that will allow and encourage them to build a solid foundation and appreciation of the visual arts. Students will complete projects using pencil, pen and ink, charcoal and pastels oil and soft as well as a variety of mixed media. In addition to hands-on "art making", students will be introduced to art related vocabulary, Art History, Art Criticism, a variety of Art Movements/Styles, and Artists. A strong emphasis on the elements of design will be evident in each project. Slides, lectures, and video will be used as a means to expand the students' knowledge base to the various styles of art we will be exploring. Critical thinking, problem solving, and brainstorming activities and skills are fundamental to building a solid foundation in Art Education and are incorporated into every lesson and project. *(Meets Fine Art graduation requirement)*

Art 2

This is a continuation of the principles and practices of drawing and painting as learned in Art I. Students will be expected to perform at a higher

COURSE DESCRIPTIONS

Speech & Debate

This course explores concepts in public speaking, critical thinking, argument and debate. Students will study different styles of speeches, learn rhetorical strategies and practice the art of debate. A major focus of the class will be the elements of rhetoric as it pertains to information, persuasion and debate. The students will give several speeches to classmates, and potentially have the opportunity to compete in a speech tournament. Various styles of speech will be studied, including: persuasion, impromptu, extemporaneous, and debate. Extensive research of famous speeches and their impact on the culture of the time, detailed study, application and integration of persuasive techniques, and analysis of current events and the speeches that accompany them will be integral to the class.

ENGLISH

English 9

In this course, emphasis is placed upon grammar and literature. Literature includes the reading of classic short works. Compositions, spelling, and vocabulary are included. The elements of a research paper are taught and a paper is required during the second semester. In addition, students will be required to complete a book analysis.

English 9 Honors

This course is intended for students who are highly skilled and motivated in language arts, including both reading and writing. English 9 Honors is designed to cover areas of grammar, literature, writing and vocabulary. Students will be exposed to a variety of literary forms as well as various kinds of writing experiences, from reading novels and Shakespearean plays, to writing an original short story and creating their own poetry. The course moves more rapidly and covers areas more extensively and in greater depth than a regular English class. Critical thinking is emphasized, and complex writing assignments including an extensive research paper are required.

Pre-Requisite: *To enter Honors English, the students must have a grade of A or higher in their eighth grade English class.*

COURSE DESCRIPTIONS

English 10

In this course grammar is reviewed. World and Christian literature will be studied. Weekly compositions, spelling, vocabulary, and oral presentations will also be included. Various forms of literature are read, including novels, short stories, poetry, essays and a Shakespearean play. Students will be required to complete a book analysis, term paper, original short story, and original poetry.

English 10 Honors

In addition to the regular English 10 curriculum, the honors course includes the study of advanced grammar, student authorship of short stories, extensive vocabulary expansion and critical reading practice to prepare for the PSAT. Students read and analyze Shakespeare's Julius Caesar.

***Pre-Requisite:** Students must have received a grade of B or higher in English 9.*

English 11: American Literature

This course is a systematic survey of American literature, authors, and literary movements. It is enriched by oral presentations, reading, a study of vocabulary words, and weekly compositions including essays and research paper techniques with an eye toward college papers that stress logic and rhetoric. Students will be required to complete a book analysis and a research paper.

English 12: British Literature

This course stresses the continued development of writing skills, especially persuasive and expository writing; the study of English grammar and usage, and the study of British literature through selected authors and works including a Shakespearean play. Students will make oral presentations, complete a book analysis and write a research paper.

Creative Writing

Creative writing is designed to aid students in their creative expression, as well as delivery of one's writing. Students will read and discuss articles on the craft of writing. The first quarter will focus on fiction. Students will read and evaluate the effectiveness of fiction of varying styles. They will write and workshop short stories to complete a final portfolio. The second quarter will focus on poetry. Students will learn poetic vocabulary

COURSE DESCRIPTIONS

Geography & Cultures (one semester)

This course is an overview of continental and world geography that is undertaken through regular map construction and interpretation. Emphasis is also placed on current events and cultural diversity as they apply to specific regions of the world.

World History

This course is designed to help students gain an appreciation of the history of Western Civilization from a Judeo-Christian perspective. The first semester covers creation and the beginnings of civilization, democracy and republicanism in Greece and Rome through the French Revolution. The second semester begins with the Industrial Revolution and progresses to the current day.

United States History

This course emphasizes the forces that have shaped U.S. history/ geography and their contributions to the United States' role in the modern world. The student will study the major events that have shaped the United States' history through lectures, extra research, reading, term papers, and projects. Chronology spans from earliest periods of U.S. History through recent times and includes studies of recent conflicts. Students should gain the ability to recognize historical cause and effect, identify major historical turning points, and develop historical interpretations. This course will emphasize the role of Christian values in the history of the United States. All projects and term papers will be assigned by the instructor.

AP US History

This course is a college course offered at the high school level. It counts as the junior social studies requirement and successful passing of the AP exam in May carries with it college credit at most institutions. It is an accelerated course with large amounts of reading and interpreting historical documents and literature. Skill in writing is essential for success on the exam. Content is in-depth study in US History from colonization to present.

***Pre-Requisite:** Completion of World History with a grade of B or higher. Recommendation from former teacher.*

COURSE DESCRIPTIONS

course. As with any chemistry course, strong math skills are essential to student success.

Pre-Requisite: *Grade of B or higher in Chemistry. Teacher recommendation from former Chemistry teacher.*

Physics

This course considers matter and energy and their interactions in the fields of mechanics, acoustics, optics, heat electricity, magnetism, radiation, atomic structure, and nuclear phenomena. Students will be required to complete a science project.

Pre-Requisite: *Completion of Physical Science and Geometry with a C or higher is recommended. Can be waived with the approval of the instructor.*

AP Physics 1

AP Physics is a college-level course designed to prepare students for the AP Physics 1 exam, covering material from a first semester Algebra-based Physics course. Content areas covered by this course include: Newtonian mechanics, rotational mechanics, and electricity. Graduation Physical Science credit.

Prerequisite: *Algebra 2 grade of B or higher. Recommendation from former teacher.*

SOCIAL SCIENCE

Origins of Global Issues (One Semester)

Every problem in our world today is born out of an intricate interplay of political, economic, social, cultural, environmental, and historical factors. In this innovative course, students examine history and politics through the lens of current events that affect our nation and our world. Through discussion-based, learner-directed instruction, students learn to think critically and write clearly about the underlying patterns and interconnections among global issues. This course is intended for students who want a different approach to traditional history instruction. Designed for students who prefer social science (government, sociology, geography, economics) to narrative history, this course uses the news and student inquiry to guide instruction.

COURSE DESCRIPTIONS

and read interpretative poems of varying styles. Students will write and workshop each other's poetry to complete a final portfolio and will be expected to deliver their writing to an audience.

AP English Language & Composition

Recommended 12th grade or above reading skills. This college level course prepares students to take the AP Exam in English Language Composition in May. Students will read complex non fiction texts with understanding of style, organization, tone, argument and write prose of sufficient richness and complexity to communicate effectively with mature readers. This course carries extra grade point and AP designation.

Pre-Requisite: *Grade of B or higher in English 10 Honors or grade of A in English 10. Teacher recommendation required from former English teacher.*

AP English Literature & Composition

Recommended 12th grade or above reading skills. This course presents a challenging approach to the experience, interpretation, and evaluation of fictional prose and poetry, including the analysis of literary works through close reading to arrive at an understanding of their multiple meanings. Students will assess the quality and artistic achievement of literary works and consider their social and cultural value, especially classical British and American literature representative of a range of periods and genres. Students will write sophisticated literary analyses based on class reading. This course carries extra grade point and AP designation.

Pre-Requisite: *Grade of B or higher in English 10 Honors or grade of A in English 10. Teacher recommendation required from former English teacher.*

FAMILY & CONSUMER SCIENCES

Child Development

This course focuses on the importance of developing a working knowledge of the physical, social and intellectual development of pre-school children, ages 3 to 5. Students will be working hands-on with pre-schoolers in a state-licensed facility. Students will be required to observe and journal the development of a child over a period of 10 months. Students interested in teaching occupations will also have the opportunity to work alongside credentialed teachers in implementing lessons.

COURSE DESCRIPTIONS

MATHEMATICS

Algebra I

In this course the properties of number systems are introduced and applied to methods of solving linear equations, inequalities, systems of equations and quadratic equations. Exponents, polynomials and factoring are studied and applied to simplify equations and solve fractional equations.

Pre-Requisite: Grade of C or higher in 8th grade math or Pre-Algebra with a "C" or higher. Special note: Graphing calculator is required. (TI-83 Plus, TI-84 Plus, etc.)

Geometry

The students will learn to develop their deductive and inductive reasoning abilities in geometry. They will take facts using both postulates and axioms and develop sound proofs for mathematical problems and their applications. Skills learned in Algebra are applied in studying properties of various geometric figures. Trigonometry is introduced, as well as geometry and coordinate geometry.

Pre-Requisite: Grade of B or higher in High school Algebra 1 or Algebra I in 8th grade with a B or higher. Special note: Graphing calculator is required. (TI-83 Plus, TI-84 Plus, etc.)

Algebra II

The purpose of this course is to strengthen the skills learned in Algebra I. Advance work is completed in factoring, fractions, exponents, radicals, complex numbers, linear and quadratic equations, the binomial theorem, and the theory of equations. The fundamental trigonometric ratios are introduced with emphasis in rectangular and polar coordinates.

Pre-Requisites: Completed Algebra I and Geometry with a grade C or higher. Special note: Graphing calculator is required. (TI-83 Plus, TI-84 Plus, etc.)

Pre-Calculus/Trigonometry

This course is designed to prepare students to take calculus. This course covers in-depth trigonometry, logarithms, analytic geometry, and advanced algebraic concepts. Primary emphasis is on a continuation of the practice of intermediate algebraic concepts and skills while the advanced algebraic concepts and skills are introduced. A heavy emphasis is placed on the study of trigonometric functions, common and natural logarithms,

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with the skills necessary to be successful in future science classes in college.

Pre-Requisite: Grade of C or better in Biology or Chemistry.

Biology

This lab course deals with the origin, nature, and relationships of living organisms. Also included is a basic introduction to the modern concepts of structure and function of the cell, genetics, survey of animal and plant kingdoms with emphasis on physiology, ecology, and human biology. Students will be required to complete a science project.

AP Biology

AP Biology follows a college course outline including extensive study in the areas of biochemistry, cellular biology, molecular biology, photosynthesis, respiration, genetics, plant and animal phylum, physiology, and ecology. This course prepares the student for the AP Biology Exam. Graphing calculator necessary (TI-83 Plus) Graduation Life Science Credit

Pre-Requisite: Students may have a B or higher in Biology. Teacher recommendation from former Biology teacher.

Chemistry

This course provides an introduction to theory and applications of chemical reactions. It emphasizes structure and bonding, kinetics, use of graphs, tables, chemicals, equilibrium and constants, energy, thermochemistry, and entropy. Students will be required to complete a science project.

Pre-Requisite: Students must have completed Biology or Environmental Science with a grade of C or higher. Completion or enrollment in Algebra II is recommended.

AP Chemistry

This course is the equivalent to a first-year university chemistry program. It encompasses topics such as molecular orbital theory, thermodynamics, kinetics and reaction mechanisms, chemical equilibrium, acid/base chemistry, electrochemistry, nuclear chemistry, and organic chemistry. Course work emphasizes the theory behind results. Students must be prepared to explain their observations in light of concepts discussed in

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Indoor/Outdoor Performance

This pass/fail course, is an advanced performance workout class intended to provide advanced training for students who intend to participate in interscholastic athletic teams at Stone Ridge Christian. First priority in entering courses is given to athletes with an expressed desire to participate on our school teams. Athletes are grouped into courses based on their sport. Athletes will meet during 0 period M, W & F from 6:30am-7:30am.

Lifetime Fitness & Health

The goal of this course is to promote physically active behavior and a healthy lifestyle so students will remain physically active and aware of their daily choices years after they graduate from Stone Ridge Christian High School. Lifetime Fitness is a required course for all freshman with a balance of weekly health sessions and regular physical activity.

SCIENCE

Environmental Science

This course surveys key topic areas including the application of scientific process to environmental analysis; ecology; energy flow; ecological structures; earth systems; and atmospheric, land, and water science. Topics also include the management of natural resources and analysis of private and governmental decisions involving the environment. Students explore actual case studies and conduct five hands-on, unit-long research activities, learning that political and private decisions about the environment and the use of resources require accurate application of scientific processes, including proper data collection and responsible conclusions.

Human Anatomy & Physiology

In this course students will investigate the structure and function of the human body. Topics covered will include the basic organization of the body; biochemical composition; and major body systems along with the impact of diseases on certain systems. Students will engage in many topics and competencies related to truly understanding the structure and function of the human body. Working from the topics of basic anatomical terminology to the biochemical composition of the human body, all the way into great detail of each of the major systems of the body, students will learn through reading materials, study guides, unit worksheets, group work, projects, and labs. The goal of this course is to prepare students

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and the equations of conics. Students will study and gain a feel for these functions and An understanding of their graphs and properties.

Pre-Requisite: Completed Algebra II with a grade C or higher. *Special note: Graphing calculator is required (e.g., TI-83 Plus, TI-84 Plus, etc.)*

AP Calculus AB

This course covers the major topics of Calculus; limits, integrals, and derivatives. Problem solving skills are used to solve real-life scientific and economic problems. The TI-83 Plus and TI-84 Plus graphing calculators are used to visualize problems. This course includes a pre-calculus review, studying limits, continuity, derivatives of polynomial and rational functions, derivatives of trigonometric functions, first and second derivative tests, approximating the area under a curve, integrals, the Fundamental Theorem of Calculus, projectile motion problems, and rates of change. It also includes finding volumes of revolution using disk, washer, and shell methods, the length of a curve, fluid pressure, work problems, derivatives and integrals of logarithmic and exponential functions, and a rigorous review for the AP Calculus AB exam.

Prerequisite: Grade of C or higher in Pre-Calculus and recommendation of their former teacher. *Special note: Graphing calculator is required (Texas Instrument series TI-83 Plus, TI-84 Plus, etc.)*

Statistics

Statistics focuses on the use of real data and the importance of relevance, context, and the interpretation of results. Topics include the role of statistics, the data analysis process, graphical methods for displaying data, numerical methods for describing data, linear regression and correlation, nonlinear relations and transformations, random variables and probability distributions, sampling variability and sampling distributions, and confidence intervals. The course covers both analytical and inferential statistics. JMP is introduced and used as a teaching tool in the classroom. This course is designed for students who desire to take an advanced math course but do not wish to take an AP course.

AP Statistics

This is an advanced, college level statistics course designed to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from Data. Students are exposed to four broad themes: exploring data, sampling and experimentation, anticipating pat-

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terns, and statistical inference. The course prepares students for the Advanced Placement exam in statistics which will be taken in May.

Pre-Requisites: *Completed Algebra II with a grade of B or higher and teacher recommendation from former teacher. Special note: Graphing calculator is required (e.g., TI-83 Plus, TI-84 Plus, etc.)*

NEW MEDIA STUDIES

Digital Journalism

Digital Journalism develops and applies advanced skills required by the modern media, including writing, and publishing. In addition to standard news-gathering, writing, editing, and publishing, students learn to think critically about media and the way news is covered, packaged, and delivered, specifically through more sophisticated storytelling models in the realms of multimedia, investigative, and data-based journalism.

TV Broadcast Journalism

This course equips students with hands-on skills in broadcasting. Students learn to report, write, and produce television with an emphasis on accuracy, fairness, and balance. They learn to tell engaging stories that stand out in today's complex media environment. Students learn principles of sound, audio and video editing, mixing, and studio engineering. Students also learn to operate a working television newsroom in various roles, including news writers, producer, director, news, feature and sports reporters, news anchors, cameramen, and control room personnel.

PERFORMING ARTS

Choir

This yearlong course is open to all students meeting basic vocal proficiency, including note reading and the study of choral literature. Opportunity is given to train and use vocal musical talent in performances at school and other functions. Attendance at all performances is required for successful completion of the course for credit. Performances may be scheduled as the opportunities arise, possibly including follies, choir tour and graduation ceremonies. Extra evening or Saturday rehearsals may be held. Students will be required to purchase costumes.

Improvisation Theater

Theater Arts is a course in acting and technical theater. The student stud-

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ies and receives experience in the following fundamental areas: costume, lighting, makeup, costume design, publicity and all other facets of play production. Students will respond to and reflect upon dramatic performances. Students will be required to purchase costumes.

Worship Team Ensemble

Students will play various types of small combo music. Emphasis will be placed on developing improvisational skills, accompaniment techniques, and performance techniques. Performances are mandatory and will include concerts, chapel, 8th grade visitation, graduation, etc. Students must furnish their own instruments.

PHYSICAL EDUCATION

Athletics

Students may earn a maximum of 5 units of P.E. credit per sport during their sophomore, junior and senior year. We offer Football, Baseball, Basketball, Cheerleading, Equestrian, Golf, Swimming, Softball, Soccer and Volleyball.

Christian Athletic Leadership

This course is designed for upper classmen who desire to understand what it truly means to be a Christian athlete and positively impact their teams, our campus, and the community for Christ. Students grapple with a series of questions such as: Does God care about winning and losing? Is there a difference between a Christian athlete and any other athlete? Are sports an appropriate avenue for evangelism? These, along with other relevant questions, are addressed with the hope that students leave the course with a clearer sense of purpose and identity as a Christian athlete.

Pre-Requisite: *Completed Fitness for Life/Health*

Football Performance

In this pass/fail course, students are taught all aspects of training for football. This is a combination of weight room, classroom film study, and on-field movement drills. Students go through four phases: in-season maintenance/film study, strength, power, and speed/quick twitch. All of this ensures that each student athlete is growing to his greatest potential for football. Football Performance is designed for Varsity and JV players football players and will meet during 0 period M,W & F from 6:30am-7:30am.