

Christian Life High School

Curriculum Catalog

Department	Grade 9	Grade 10	Grade 11	Grade 12
BIBLE	Bible (2)	Bible (2)	Bible (2)	Bible (2)
FOREIGN LANGUAGE	Spanish 1 (2)	Spanish 1 (2) Spanish 2 (2)	Spanish 1 (2) Spanish 2 (2) #Spanish 3 (2)	Spanish 1 (2) Spanish 2 (2) #Spanish 3 (2) *Spanish 4 (2)
LANGUAGE ARTS	Freshman English (2) #Freshman English (2)	Sophomore English (2) #Sophomore English (2)	Junior English (2) #Junior English (2)	Senior Advanced Composition (1) Public Speaking (1) #Senior Advanced Composition (1) #Public Speaking (1)
MATHEMATICS	Pre-Algebra (2) Algebra 1 (2) Algebra 2 (2) #Algebra 2 (2)	Algebra 1 (2) Algebra 2 (2) #Algebra 2 (2) Geometry (2) #Geometry (2)	Algebra 2 (2) Geometry (2) #Geometry (2) #Trigonometry/Pre-Calc. (2) Math Business/Finance (2)	Geometry (2) #Trigonometry/Pre-Calc. (2) * AP Calculus (2) Math Business/Finance (2) Accounting (1)
PERFORMING ARTS	Band (2) Jazz Band (2) Choir (2) Limited Edition	Band (2) Jazz Band (2) Choir (2) Limited Edition	Band (2) Jazz Band (2) Choir (2) Limited Edition	Band (2) Jazz Band (2) Choir (2) Limited Edition
PHYSICAL EDUCATION	Health (1) PE (1 or 2)	PE (1 or 2)	PE (1 or 2) Sports (1 or 2)	PE (1 or 2) Sports (1 or 2)
SCIENCE	Biology (2) #Biology (2)	Physical Science (2) #Physical (2)	Chemistry (2) #Chemistry (2)	*Anatomy (2) *Physics (2)
SOCIAL STUDIES	9 Social Studies Survey	US History (2) #US History (2)	World History (2) #World History (2) AP US History (2)	American Government (1) Economics (1) Psychology (2) AP US History (2)
VISUAL ARTS	Drawing/Painting (2) Intro to Design (2)	Drawing/Painting (2) Ceramics (2) Intro to Design (2)	Drawing/Painting (2) Ceramics (2) Intro to Design (2) Digital Media (2) Advanced Art (2) Yearbook (2)	Drawing/Painting (2) Ceramics (2) Intro to Design (2) Digital Media (2) Advanced Art (2) Yearbook (2) Yearbook Editor (2)
GENERAL ELECTIVES	Computer Applications (2)	Computer Applications (2) Teacher/Staff Aide (1 or 2)	Computer Applications (2) Teacher/Staff Aide (1 or 2)	Computer Applications (2) Teacher/Staff Aide (1 or 2)
ONLINE ELECTIVES	More than 50 course selections (See Ignitia Curriculum Catalog)			

Class offerings subject to change at discretion of administration.

denotes Honors | * denotes Advanced Honors | () denotes number of semesters course meets

COURSE DESCRIPTIONS BY ACADEMIC DEPARTMENTS

(Not all courses are offered each year)

BIBLE

Christian Life Schools is committed to providing an exemplary education based on Biblical values and Christian world views which produce students committed to excellence in all aspects of life. The goal of the Bible Department is to help students understand God's Word, His character, and how His precepts provide the moral absolutes and principles for daily living. Students will be taught to articulate, share and defend their faith. CLHS students are required to take four years of Bible to meet graduation requirements.

Freshman Bible	1 credit	Grade 9
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Prerequisite: None

This course presents the life of Christ beginning with His existence prior to Creation and His prophesied coming in the Old Testament. It proceeds to His birth, His three-year ministry, death, and resurrection then extending to His current work in the world, second coming, and eventual heavenly rule.

Sophomore Bible	1 credit	Grade 10
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Prerequisite: None

This course presents the unifying theme of Scripture - God's plan of redemption. Through the lives of Old and New Testament "saints", students will learn that God's faithfulness leads to the development of faith and subsequent faithfulness in the lives of His people.

Junior Bible	1 credit	Grade 11
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Prerequisite: None

This course uses a traditional approach of teaching doctrine to the upper high school level student and combines creative challenges with personal application. The main focus is the basic doctrines of the Bible carefully crafted into age-appropriate lessons with strong emphasis on the application of truth to daily lives.

Senior Bible	1 credit	Grade 12
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Prerequisite: None

This primary focus of this course is the application of a Biblical world view to the challenges students will face as they leave high school and become young adults. The lessons focus on essential Biblical truths so that students have a ready reference for both their studies in school and life in the future. Topics will include: leadership, development of a Biblical world view, making "righteous" choices, wise use of time, good health principles, stewardship of talents, financial management, the world of work, relationships with friends and family, dating and marriage.

FOREIGN LANGUAGE

Students in our Minimum Requirement Program must earn two credits in the Humanities. Foreign Language can be taken to meet this requirement. Students in our Recommended College Preparatory Program should take a minimum of two consecutive years of Foreign Language.

Spanish 1 (I & II)	1 credit	Grades 9-12
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Prerequisite: None

This course will introduce students to the Spanish language and culture. The student will learn to understand, speak, read, and write basic Spanish. Teaching methods will include: listening to Hispanic speakers on CD's, videos, group activities, and computers.

Spanish 2 (III & IV) **1 credit** **Grades 10-12**

Prerequisite: 75% or higher final semester two grade in Spanish 1
Teacher recommendation

This course will continue to develop the student's skills in the language: listening comprehension, speaking, reading, and writing. Concentration will be on oral skills as well as grammar proficiency. Teaching methods will include: listening to Hispanic speakers on CD's, videos, group activities, and computers.

Honors Spanish 3 (V & VI) **1 credit** **Grades 11-12**

Prerequisite: 80% or higher final semester two grade in Spanish 2
Teacher recommendation

This course continues to develop the student's skills in the language: listening comprehension, speaking, reading, and writing. English may only be spoken during the first five minutes of class. During this time students have the opportunity to ask questions over items they do not understand. At the end of the five minutes, only Spanish may be spoken by the students and teacher. All teaching and discussion is done in Spanish. Teaching methods include: listening to Hispanic speakers on CD's, videos, group activities, and computers.

Advanced Honors Spanish 4 (VII & VIII) **1 credit** **Grades 12**

Prerequisite: 85% or higher final semester two grade in Spanish 3
Teacher recommendation

This course continues to develop the student's skills in the language: listening comprehension, speaking, reading, and writing. Absolutely no English may be spoken in class by either the teacher or student. During the second semester, students concentrate on literature and writing. All quizzes and tests are in essay form. Teaching methods include: listening to Hispanic speakers on CD's, videos, group activities, and computers.

LANGUAGE ARTS

The Language Arts program at CLHS helps students develop skills in thinking, reading, writing, public speaking, and listening. Individual courses stress analysis and understanding of language, literature, communication, and writing. All students are required to take four years in the Language Arts.

Freshman English: Foundations **1 credit** **Grade 9**

Prerequisite: Successful completion of 8th grade English

This comprehensive Freshman English course focuses on the development of core language arts skills through the study of writing and critical reading. Students develop writing skills, including learning and applying grammar mechanics and usage, structure and style, through a wide variety of writing assignments and techniques, including composing journals, narrative, descriptive, persuasive, and expository paragraphs, book reviews and responses, essays, and a research paper in the MLA style. Students develop critical reading skills through analysis of a varied selection of world literature, including novels, short stories, and drama. Students also have the opportunity to practice presentation skills through a variety of informal projects.

Honors Freshman English: Foundations **1 credit** **Grade 9**

Prerequisite: 8th grade English teacher recommendation

This honors course is designed to be more challenging than the above course. Skills emphasized and assignments given are similar in nature. Some of the same literature selections are used, but also includes some more advanced literature selections. The material is studied more in-depth and at a more vigorous pace. Honors students are also required to read two outside novels per semester.

Sophomore English: American Literature Survey **1 credit** **Grade 10**

Prerequisite: Successful completion of Freshman English

This sophomore English course focuses on the continuing development of composition and critical reading skills through a survey of American literature. Students develop writing skills through a variety of writing projects, including journals, personal essays, book reviews, critical analysis of literary criticism, and a research paper in the MLA style. Students are

exposed to and examine a selection of American literature from colonial literature through the modern literature period. Students also do a study of vocabulary throughout the course. Students have the opportunity to practice presentation skills through a variety of informal projects.

Honors Sophomore English: American Literature Survey **1 credit** **Grade 10**

Prerequisite: 85% or above in Freshman English
9th grade English teacher recommendation

This honors course is designed to be more challenging than the above course. Skills emphasized and assignments given are similar in nature. Some of the same literature selections are used, but also includes some more advanced literature selections. The material is studied more in-depth and at a more vigorous pace. Honors students are also required to read two outside novels per semester.

Junior English: British Literature Survey **1 credit** **Grade 11**

Prerequisite: Successful completion of Sophomore English

This junior English course focuses on the continuing development of composition and critical reading skills through a survey of British literature. Students develop writing skills through a variety of writing projects including journals, personal essays, book reviews, and a second-semester research paper consisting of critical analysis of a British work in the MLA style. Students are exposed to periods of British literature from the Middle Ages (Anglo-Saxon and Medieval) through the Renaissance, Restoration, and Romantic periods. The Victorian Age and Modern period are addressed as time permits. This exposure includes the careful study of poetry, drama, short story, and the novel. Texts include such works as Chaucer's Prologue to the Canterbury Tales, Shakespeare's Macbeth, and Orwell's Animal Farm. Students complete at least two approved novels outside the class for book reviews. In addition to the focus on composition and literature, students pursue a study of vocabulary through the Sadler-Oxford text.

Honors Junior English: British Literature Survey **1 credit** **Grade 11**

Prerequisite: 85% or above in Sophomore English
10th grade English teacher recommendation

This honors course is designed to be more challenging than the above course. Skills emphasized and assignments given are similar in nature. Students are exposed to the same periods of literature and include the careful study of poetry, drama, short story, and the novel. Texts include such works as Chaucer's Prologue to the Canterbury Tales, Shakespeare's Macbeth and A Midsummer Night's Dream, Dickens' A Tale of Two Cities, and Orwell's Animal Farm. Students complete at least two approved novels outside of class for book reviews. In addition to the focus on composition and literature, students pursue a study of vocabulary through the Sadler-Oxford text. Opportunity for England trip bi-annually.

Senior Advanced Composition **.5 credit** **Grade 12**

Prerequisite: Successful completion of 11th grade English

The focus of this first semester senior English course is on the continuing development of composition and the critical thinking skills necessary in rhetoric. Students develop writing skills through a variety of writing projects including journals, personal essays, book reviews, and a research paper in the MLA style. Students also are exposed to literature through a short story unit as well as a poetry unit in which students review literary concepts. Students complete at least one approved novel outside of class for a book review. As a further tool in the pursuit of excellence in composition, students study vocabulary through the Sadler-Oxford text.

Honors Senior Advanced Composition **.5 credit** **Grade 12**

Prerequisite: 85% or above in Junior English
11th grade English teacher recommendation

This honors class is designed to be more challenging than the above course. Skills emphasized and assignments given are similar in nature. Students are exposed to a world literature unit consisting of ancient texts including works of Plato, Aristotle, and Sophocles. Students review literary concepts through units in short story and poetry, and they complete at least one approved novel outside of class for a book review. As a further tool in the pursuit of excellence in composition, students study vocabulary through the Sadler-Oxford text.

Public Speaking and Survey on Drama**.5 credit****Grade 12**

Prerequisite: Seniors only

The focus of this second semester senior English course is the development of speaking as well as critical thinking skills necessary in rhetoric. Students develop speaking skills through a variety of speeches and speaking projects. Speeches include demonstration, informative, persuasive, inspirational, impromptu, and entertaining. Students also develop speech techniques such as posture, diction, eye contact, and emotion through a drama unit in which students participate in the oral presentation of Williams' Glass Menagerie and Shakespeare's Julius Caesar. As a further tool in the pursuit of excellence in presentation, other projects may include participation in a team newscast, another group project, and a debate as time permits. Finally, students write a resume and participate in a mock interview with various community business leaders.

Honors Public Speaking and Survey on Drama**.5 credit****Grade 12**

Prerequisite: Seniors only

This honors class is designed to be more challenging than the above course. Skills emphasized and assignments given are similar in nature. Outside reading may include dramas such as Moliere's Tartuffe and Wilde's The Importance of Being Earnest. As a further tool in the pursuit of excellence in presentation, other projects include the research and presentation (oral and written) of a debate against a partner, participation in a team newscast, and one other group project. Finally, students write a resume and participate in a mock interview with various community business leaders.

MATHEMATICS

The Math Department of Christian Life High School offers a wide variety of courses designed to meet the needs of students of varying levels of ability. A student's placement in ninth grade mathematics is based upon previous and current academic performance and the recommendation of the eighth grade math teacher. This placement will determine the sequence of courses students will take within the math department. All students are required to complete a three-year sequence of courses in order to meet graduation requirements. It is recommended that college-bound students complete a three or four-year sequence of courses.

Algebra 1 (I & II)**1 credit****Grade 9**Prerequisite: Below 70% in 8th grade Algebra 1 with teacher recommendation
Successful completion of 8th grade Pre-Algebra

Algebra 1 is designed to re-introduce students to the elementary principles of algebra. This course is the foundation of all high school math studies. Topics of study include rational numbers, solving linear equations, polynomials, and graphing relations and functions. Problem solving skills will be stressed throughout the course with an emphasis on the applications of algebra to real life situations. A scientific calculator is required. This course is designed for all high school students.

Algebra 2 (III & IV)**1 credit****Grades 9-10**

Prerequisite: Successful completion of Algebra 1

Success in Algebra 1 is imperative for success in this course. Topics of study include inequalities, absolute value, functions, slope, matrices, polynomials, solving quadratic equations, conics, and logarithms. Problem solving skills will be stressed throughout the course with an emphasis on graphing and using graphing calculators and the applications of algebra to real life situations. Students will spend time in the math computer lab investigating and studying real life applications. A scientific calculator is required.

Honors Algebra 2 (III & IV)**1 credit****Grades 9-10**

Prerequisite: 85% or better in Algebra 1 with teacher recommendation

Honors Algebra 2 is a second year algebra course designed for the college-bound student interested in math and science. Topics of study include inequalities, absolute value, functions, slope, matrices, polynomials, solving quadratic equations, conics, logarithms, trigonometric identities, sequences and series. Problem solving skills will be stressed throughout the course with an emphasis on graphing and using graphing calculators and the applications of algebra to real life situations. Students will spend time in the math computer lab investigating and studying real life applications. A scientific calculator

is a minimum requirement. A student certain of going on through trigonometry may wish to purchase a graphing calculator. This course emphasizes independent learning, individual as well as group projects, classroom presentations, and in-depth discussion of ALL topics.

Geometry **1 credit** **Grades 10-11**

Prerequisite: Successful completion of Algebra 2

Geometry is a one year course designed to sharpen critical thinking skills. This course should be considered a minimum requirement for high school graduation. Semester one focuses heavily on two-column proofs involving angles, triangles, lines, and polygons. Semester two focuses on planes, circles, area, volume, and an introduction to trigonometry. Problem solving skills, deductive reasoning, and critical thinking skills will be stressed throughout the course. Students will spend time in the math computer lab investigating and studying real life applications. A scientific calculator is required.

Honors Geometry **1 credit** **Grades 10-11**

Prerequisite: 85% or better in Honors Algebra 2 with teacher recommendation or
91% or better in Algebra 2 with teacher recommendation

Honors Geometry is a one year course for the college-bound student interested in math and science. This course is designed to challenge and motivate the best math students. Semester one focuses heavily on two-column proofs involving angles, triangles, lines, and polygons. Semester two focuses on planes, circles, area, volume, and an introduction to trigonometry. Problem solving skills, deductive reasoning, and critical thinking skills will be stressed throughout the course. Students will spend time in the math computer lab investigating and studying real life applications. The honors section stresses independent studying, group and individual projects, and more in-depth discussion of ALL topics. A scientific calculator is required.

Trigonometry / Pre-Calculus **1 credit** **Grades 11-12**

Prerequisite: 80% or better in Geometry with teacher recommendation
80% or better in Algebra 2 with teacher recommendation

This is a year long class designed for the college-bound student. Topics of study include a brief review of Algebra 2, trigonometric functions, applications of right triangle trigonometry, basic trigonometric identities, graphing, laws of sines and cosines and their applications, vectors, conics, complex numbers, and exponential and logarithmic functions. An emphasis will be placed on the application to real life situations. This is a college prep class taught at an advanced level with an emphasis on student accountability. Graphing calculators will be used. A scientific calculator is a minimum requirement.

AP Calculus **1 credit** **Grade 12**

Prerequisite: 80% or better in Pre-Calculus with teacher recommendation

This is a college level preparatory math class that is equivalent to a first semester college level calculus course. Several colleges currently use the same text the CLHS uses for this course. Topics of study include a review of pre-calculus concepts, limits, derivatives, applications of derivatives, fundamental theorem of calculus, integration, applications of integration, and an introduction to infinite series. Strong algebraic skills accompanied with the ability to solve word problems are required and will be enhanced through successful completion of this course. A graphing calculator is required (see instructor before purchase).

Mathematics Business/Finance **1 credit** **Grades 11-12**

Prerequisite: Successful completion of Algebra 1, Algebra 2 or Geometry

This course will provide a detailed study of how to allocate our funds as consumers, with a focus on the mathematical elements included in consumption of goods and services (without debt) and wealth building. Included in this study is a review of how producers and retailers entice the consumer into a life of debt, and why our society is obsessed with it, thereby lowering our standard of living. New strategies for the purchase of goods and services will be taught along with the mathematical techniques for the elimination of debt. Wealth building will be discussed using various investment vehicles such as IRA's, mutual funds, 401K's, and real estate. The mathematical elements (formulas, tables, and graphing) utilized with the concepts of time, interest, and compounding, along with the formula for the "Rule of 72" will be presented. In addition, the mathematical elements concerning insurance (deductibles, co-pays, and out of pocket expenses), automobile purchases, home purchases, and taxes will be discussed.

PERFORMING ARTS

Christian Life High School has a great music and theatrical tradition. Courses are offered for students with music skills that range from basic to advanced. All courses are one year in length.

Band	1 credit	Grades 9-12
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Prerequisite: Previous instrumental experience.

If not enrolled in Middle School Band, band instructor approval required.

All basic music skills will be covered and a wide variety of styles performed. Concert Band presents two formal concerts each year. Semester 1 prepares for the Christmas concert and semester 2 prepares for the Spring concert and Commencement. Concert Band performs at Homecoming ceremonies and helps promote school spirit by functioning as the Pep Band and Marching Band at home sporting events and parades. Concert Band may also participate in community functions. Students may participate in Illinois Music Educators Association district and state auditions. IHSA Solo and Ensemble participation is also available. Grades for this class are based on performance, attitude, and participation in class and concert performances are required and graded.

Jazz Band	1 credit	Grades 9-12
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Prerequisite: By audition only

Students learn the many different styles of jazz through performing, listening, and written theory. Heavy emphasis is on improvisation and a performance orientation. Students will participate in four formal concerts – a Christmas concert, Jazz Night in May, the spring concert, and Commencement. Students have dual responsibilities to both Jazz and Concert Band commitments by performing at Homecoming ceremonies, Pep Band and Marching Band at home sporting events and parades, and other community functions. Jazz Band students will also perform at jazz festivals and other scheduled community service events. Students are encouraged to participate in IMEA district and state auditions. IHSA Solo and Ensemble participation is also encouraged. Grades are based on performance, attitude, and participation in class and concert performances are required and graded.

Concert Choir	1 credit	Grades 9-12
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Prerequisite: None

Students learn fundamentals of music and their application by studying three and four-part scores. They learn how to read music and work on all styles and types of music through singing. Use of good vocal techniques is emphasized. Students will participate in two formal concerts each year, one each semester. Choral students can elect to participate in IMEA and IHSA events. Grades are based on performance, attitude, and participation in class and concert performances are required and graded.

Limited Edition	1 credit	Grades 9-12
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Prerequisite: By audition only the first week of school

This small vocal ensemble specializes in vocal jazz, chamber music, and show music. Students will strive to achieve the highest level of musicianship and performance techniques. Students will participate in three formal concerts – a Christmas concert, Jazz Night in May, and the spring concert. Students may also perform at other community functions. Grades are based on performance, attitude, and participation in class and concert performances are required and graded.

Theater	1 credit	Grades 9-12
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Prerequisite: Interest in drama and/or theater

Participation in spring musical is required

This course is designed to educate the students in the performance and production aspects of theater as well as to help students gain a historical, theoretical, and contemporary understanding of and appreciation for this art form. Students will have opportunities for field trips to various theatrical spaces and productions throughout the year, as well as meeting with many different guest speakers who have professional experience in the fine arts. Students will also have the opportunity to work on the production and performance aspects of the spring musical to put into practice what they are studying. Grading is based on attitude, class participation, projects, written assignments, and tests, as well as on a major project selected for each individual student.

PHYSICAL EDUCATION/HEALTH EDUCATION

Christian Life High School offers a comprehensive program of physical education and health. All students must complete at least five semesters of physical education and one semester of health to meet graduation requirements.

P.E. (Boys/Girls)

.5 credit

Grades 9-12

Prerequisite: None

The physical education program will develop fundamental skills in team sports, individual sports, and leisure time activities. These activities are designed to develop a desire for life long fitness, an appreciation of sport as both a participant and spectator, and provide for the development of socialization skills through competition and teamwork. All students will be evaluated by skills tests and written exams and by the President's Challenge Fitness Testing. This class is a semester course. (Note: Students are required to dress in the approved attire and to participate. "Sitting out" is not an option.)

P.E. Exemption/Waivers:

P.E. Medical Exemption Students with a medical condition that prevents participation in P.E. in any way must have written documentation from the attending physician as to the reason and length of time for the exemption (number of semesters).

P.E. Waiver Category I **Juniors and seniors who compete in two varsity sports during the school year will receive P.E. credit. The athlete must stay on the roster and complete each season in its entirety to qualify for the P.E. waiver and the two semester credit for completing two or more sports. Junior and senior cheerleaders will receive .5 credit per sport, per semester, upon completion of the sport season.

P.E. Waiver Category II **Juniors and seniors who compete in only one varsity sport during the school year must participate in P.E. during the semester that their sport does not occur.

P.E. Waiver Category III A Senior taking seven academic courses to graduate is not required to participate in P.E.

11th and 12th students who participate in CLHS sports in lieu of a Physical Education class will not receive a percentage grade or letter grade to be included in their GPA or class rank. They will instead receive a Pass (P) or Fail (F) on their transcripts. **If a student schedules the sport waiver for PE and does not participate in the sport, he or she is required to make up the PE credit since the schedule has already been set (this means the student could be potentially scheduled into two PE classes the following year).

Health (Boys/Girls)

.5 credit

Grades 9-12

Prerequisite: None

Recommended to be taken in 9th grade, or summer school prior to 9th grade

This is a required one semester course. This class will direct students in a way which promotes living a totally healthful life –body, mind and spirit. This course is a multidimensional approach which will directly affect the productivity and quality of life. Topics of study will include: general anatomy and physiology, nutrition, safety, personal hygiene, fitness, life management, responsibility, community service, and developing healthy relationships.

Driver's Education (before school)

0 credit

Grades 9-12

Prerequisite: 15 years of age with first consideration given to Sophomores
Illinois Instruction Permit
Class fee

This program consists of at least thirty (30) hours of classroom instruction and six (6) hours of behind-the-wheel training. The course uses a basic textbook and the Illinois Rules of the Road booklet. Class is taught by lectures, audiovisual aids, group discussions, and guest speakers. The Behind-the-Wheel program includes both the driving and observation time for each student with the following objectives: helps students understand how and why a motor vehicle functions; help students develop the skills required for safe and efficient driving under varying

conditions; help students develop habits of safe, courteous, and law-abiding practices in the operation of a motor vehicle; help students develop proper attitudes in regard to personal and social responsibility in the operation of a motor vehicle; and help students develop pride and self-discipline in the operation of a motor vehicle. *During non-driving time, students will be participating in P.E.

(Note: According to Illinois State Law effective 1-1-94, students must have received passing grades in at least 8 courses during the previous 2 semesters before the certificate will be issued to obtain the drivers license.)

SCIENCE

The Science Department offers a wide variety of courses to students of all ability levels. Students may select from course offerings in the physical and life sciences areas and all emphasize the importance of laboratory investigations as part of the problem solving process. Science courses also emphasize the need to weigh facts and arrive at valid conclusions by making careful observations.

Two full years of science are required for graduation. Most Illinois colleges and universities, and many out-of-state colleges are now requiring a minimum of three years of high school science for college admission.

Biology	1 credit	Grade 9
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Prerequisite: None

This course offers an introductory study of the concepts for several fields of natural science including ecology, cell biology, genetics, taxonomy, origins of life, botany, microbiology, marine biology, vertebrate anatomy, and human anatomy. This course includes an emphasis on laboratory study and applications. Dissections are included as part of the hands-on lab investigations. Many technology based labs are included.

Honors Biology	1 credit	Grade 9
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Prerequisite: 85% or better in previous science class with teacher recommendation

While this course is designed to cover the same material as the general biology course, including laboratory study and dissections, this course also contains enriched content and is highly recommended for college-bound students interested in a career in the natural sciences. Quarterly reports and projects are included, which may require extra time outside of class.

Physical Science	1 credit	Grade 10
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Prerequisite: Successful completion of Biology

Physical Science is a one year course designed to introduce students to the elementary principles of Chemistry and Physics. Topics of study include measurement, properties of matter, classification of matter, atomic structure, chemical changes, motion, forces, work, energy, electricity, magnetism, and waves. This course includes an emphasis on laboratory study and application.

Honors Physical Science	1 credit	Grade 10
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Prerequisite: 85% or better in both Biology and Algebra 1

Honors Physical Science is a laboratory based course designed to introduce students to the elementary principles of Chemistry and Physics. Students are required to complete several individual and group projects. Laboratory experiences emphasize the understanding and application of basic scientific principles along with the application of mathematics in science. Topics of study include measurement, properties of matter, classification of matter, atomic structure, chemical changes, motion, force, work, energy, electricity, magnetism, and waves. This course is designed for college bound high school freshmen, especially those interested in the sciences, engineering, or mathematics.

Chemistry	1 credit	Grades 11-12
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Prerequisite: 70% or better in Physical Science with teacher recommendation
70% or better in Algebra 1 & 2 and Geometry

Chemistry is an introductory study in the concepts of matter. The topics studied include atomic and molecular structure, ionic and covalent bonding, the Periodic Table, chemical equations and stoichiometry, gases, and solutions. This course emphasizes experience in the laboratory, some of which utilizes computers.

Honors Chemistry **1 credit** **Grades 11-12**

Prerequisite: 85% or better in Physical Science with teacher recommendation
85% or better in Algebra 1 & 2 and Geometry

Honors Chemistry is a course study in the concepts of matter. Topics studied include atomic and molecular structure, ionic and covalent bonding, the Periodic Table, chemical equations and stoichiometry, gases, solutions, equilibrium, and nuclear chemistry. This course stresses the use of critical thinking with experience in the laboratory and the utilization of computers. Honors Chemistry is highly recommended for college-bound students interested in a career in the natural sciences, engineering, pre-med or pre-vet.

Advanced Honors Anatomy and Physiology **1 credit** **Grade 12**

Prerequisite: 75% or better in Biology and Chemistry with teacher recommendation

This course offers a detailed study of the human body and is geared toward those students desiring to enter a health-related profession. The primary emphasis will be on the normal structure and function of the major body systems. The course includes a review of cell biology and an introduction to histology. Lab work consists of detailed dissections of the fetal pig. Technology based labs are included in the hands-on activities. *Dual credit is available for this class through Rock Valley College.

Advanced Honors Physics **1 credit** **Grade 12**

Prerequisite: 75% or better in Algebra 2 and Trigonometry (or taking Trigonometry concurrently with Physics)

This is a college preparatory level physics course with a strong emphasis on mathematical modeling of real life applications. Although Calculus is not required for this course, concepts based on calculus are introduced in this course. Lab work generally requires the use of computers as an interface tool for data collection as well as graphical analysis. Documentation of the laboratory equipment is performed using a word processor, therefore, a home PC is recommended. A graphing utility (i.e. TI-83+, TI-86, or TI-89) is required for Pre-Calculus and Calculus and it is therefore assumed that a student enrolled into Physics will have a graphing calculator or equivalent (PC software, PDA, etc.). The general topics presented in this course are as follows: kinematics, vectors, fluid forces, light, and electromagnetics.

*Note: While CLS will recognize dual credits from Rock Valley College in meeting high school graduation requirements, some colleges and universities will not accept the dual credits toward meeting their graduation requirements. Please check RVC's articulation agreement with the pending college or university.

SOCIAL STUDIES

Christian Life High School students are required to complete three years of social studies. Students must take United States History, World History or 9th Social Studies Survey (if not in College Preparatory Program), American Government (including passing the Illinois and United States Constitution tests and the United States Flag test), and Economics. Additional electives are available in the social studies department.

9th Social Studies Survey **1 credit** **Grades 9**

Prerequisite: None

This class will discuss various topics from the core high school social studies classes of: Geography, US and World History, Government/Economics, and Psychology. Students will be introduced to study skills required at the high school level. Students will be issued copies of World Magazine, twice monthly, to anchor current events study.

United States History **1 credit** **Grades 10-11**

Prerequisite: None

This course is designed to teach students to utilize the skills of analysis and interpretation of historical events of the United States. The course will encourage students to be active in learning, preserving and interpreting historical events and data. Students will be asked to express the impact of persons, periods, and/or events on the course of United States history. Students will use critical thinking skills in discussions, writing projects, testing, essays, and other projects to explain their understanding of events linking the past and present.

Honors United States History **1 credit** **Grades 10-11**

Prerequisite: 9th grade English teacher recommendation

Honors United States History students learn how to ask critical questions and how to defend a thesis orally. They are given two viewpoints of an American historical event and they have to investigate to see which opinion is more factual than the other. They then defend their choice in front of the class. Honors students write one research paper as well as participate in a formal debate. Homework consists of critical thinking skills which are used to determine if the evidence is valid or invalid or if it is based on primary or secondary documentation.

AP United States History **1 credit** **Grades 10-11**

Prerequisite: 10th/11th grade English teacher recommendation

This is a college level class in US History. Students will be expected to do research and write papers on selected topics. Format is lecture/discussion.

World History **1 credit** **Grade 10-11**

Prerequisite: None

This course is designed as a survey of world history from Creation through the 21st Century. Topics of study include: Greco-Roman civilization, world religions, early civilizations, feudalism, the Renaissance, the Reformation, the Age of Reform, Industry, and Discovery. World History is required for all college-bound students.

Honors World History **1 credit** **Grade 10-11**

Prerequisite: Previous social studies teacher recommendation

Honors World History students learn how to ask critical questions and how to defend a thesis orally. They are given two viewpoints of a world historical event and they have to investigate to see which opinion is more factual than the other. They then defend their choice in front of the class. Honors students participate in a formal debate as well as writing a research paper. This course is recommended for college-bound students interested in developing higher level thinking skills.

American Government **.5 credit** **Grades 11-12**

Prerequisite: None

This semester one course studies the foundations of the United States government and our American governmental system at the federal, state, and local levels. Students will be tested on the United States constitution, the State of Illinois constitution, and the United States flag (a passing grade on each test is mandatory for graduation). There will be debates and written/oral projects.

Economics **.5 credit** **Grades 11-12**

Prerequisite: None

This semester two course studies how people and nations make choices as to how to fulfill their wants and needs while doing so with scarce resources. A personal financial overview covering topics such as creating a budget, savings and investment, credit and debt, purchasing insurance, buying a car, and the payment of taxes will be covered. There will be projects, including Market Day, and guest speakers addressing different economic issues.

Psychology **1 credit** **Grade 12**

Prerequisite: None

An introductory class analyzing individual behavioral patterns.

VISUAL ARTS

The art curriculum is threefold: 1) lifting up Jesus through visualizing the Word of God, 2) training in skill and technique using a wide range of media, and 3) preparing work for portfolios for college, art shows, or an entry level graphic design position. The following art show competitions are entered: Rock Valley High School Jury Show, Rockford Art Museum Jury Show, Rockford Snow Sculpting High School Competition, and special invitational competitions.

All art classes are one year in length. Class size is limited due to the lab style used. Additional materials may be needed for some classes.

Drawing/Painting **1 credit** **Grades 9-12**

Prerequisite: Limit of fourteen students

Drawing is a first semester course that builds upon the premise that drawing is a global or universal skill that can be learned much like reading or writing. Foundational instruction with traditional drawing media will prepare students for developing projects in other visual media such as painting, printmaking, ceramics, and graphic design.

Painting is a second semester course designed to teach students about the numerous ways in which color can impact our lives through media of painting. Foundational instruction in drawing and color relationships will precede numerous projects that will utilize various techniques in watercolor and acrylic painting.

Introduction to Design **1 credit** **Grades 9-11**

Prerequisite: A desire to follow this course with Yearbook

This course is a graphic design course which teaches the fundamentals of designing commercial pages with text, photographs, and drawn images. Through basic drawing skills and computer technology, beginning students will gain foundational knowledge which will prepare them for more advanced design projects such as creating web pages and/or working on the school yearbook.

Ceramics **1 credit** **Grades 10-12**

Prerequisite: Teacher approval

This class is designed to introduce the student to artistic expression through the medium of clay. The learning process would include an introduction to hand-building techniques and wheel-throwing skills. Projects created with clay would represent a scriptural theme and involve daily "hands-on" experience with clay. This course is for the self motivated art student.

Advanced Art **1 credit** **Grades 10-12**

Prerequisite: Previous art class(es) and knowledge of the use of media
Teacher approval

This class is an upper level course designed to enable students to build a college portfolio in a variety of two-dimensional media. Students with a firm understanding of the elements of art and the principles of design will be able to create advanced artwork in the areas of drawing, painting, printmaking, and mixed media.

Yearbook **1 credit** **Grades 11-12**

Prerequisite: Juniors or Seniors only
Previous year-end application with teacher approval
Previous Introduction to Design class preferred English
course with minimum of 80% or higher

This course produces the yearbook. Students will develop a theme, design layouts using Adobe in Design 2.0, interview students and teachers, and take photographs. It is very helpful, but not required, that students have access to their own digital camera (3.0 mega pixels or greater). (Note: Kodak cameras do not work with our system.) Selling and designing advertisements is another requirement. The abilities of working independently, taking initiative, and following through with assigned tasks are essential. Students must have strong writing skills for copywriting, proofreading, and editing. Skills in being organized, paying attention to detail, and working well with a team are necessary. The yearbook will be delivered in the spring for grades K-12. Upon completion of the year's work in March, the course shifts to Advanced Graphic Design.

Advanced Yearbook (Editor) **1 credit** **Grade 12**

Prerequisite: Previous Yearbook
English course with minimum of 80% or higher
Teacher approval

Yearbook Editor entails responsibilities that include: planning deadlines with the advisor; deciding coverage for the year;

assigning coverage to the yearbook staff; working with the design editor to create the visual theme for the year; proofing each spread before publishing; and leading staff meetings. The ultimate responsibility for the yearbook rests with the yearbook editor who is closely guided by the advisor. Other after school responsibilities are highly discouraged as the editor position is so time-consuming.

GENERAL ELECTIVES

Accounting **.5 credit**

Grades 11-12

Prerequisite: Must be a junior or senior

This semester two class provides an introduction to the theory of accounting and enables a student to do simple bookkeeping for a business. Students learn about beginning a proprietorship and the basic bookkeeping cycle of business using a general ledger and cash journal. The class covers payroll systems, special journals, sales tax, depreciation, bad debts, and notes accrued income and expenses. Practice sets are used to demonstrate knowledge and understanding of a proprietorship business.

Computer Applications **1.0 credit**

Grades 9-12

Prerequisite:
None

This course is designed to give the student a working knowledge of the software package Microsoft Office, as well as a basic understanding of computer terminology. Students will be introduced to the four programs in this package: Word, PowerPoint, Excel, and Access. Word is a widely used, word processing program. Students will learn the proper way to format letters, work on research papers, and build a resume. PowerPoint is the application software that many presenters use to generate on-screen presentations and/or slides used for overhead projection style presentations. Excel is a spreadsheet program used to perform large-scale repetitive mathematical computations as well as providing visual representation of data through the use of charts and graphs. Access is a relational database software program used to organize data and create summary reports of data.

Digital Media **1.0 credit**

Grades 9-12

Prerequisite:
None

This year long course provides a working knowledge in the basics of using a variety of electronic communication media. The first semester uses curriculum presented in The iLife Classroom in a Book to learn how to use the basic computer programs available on an Apple computer. In iPhoto lessons students learn the basics of digital photography and digital photo manipulation. During iMovie, they learn about digital video techniques and how to edit anything from an enhanced slide show to a time-lapse sequence to a movie. In Garageband, students learn how to integrate several programs to produce their own professional "radio shows" called pod casts and how to add photos for an enhanced pod cast. During the iWeb portion, they learn how they can use the entire iLife suite to produce web sites with photos, blogs, audio, and video pages. The second semester finds the students introduced to the basics of web page design and architecture (organization). They take the knowledge they have learned and use it on practical applications such as updating the school web site and elementary classroom web sites, making their own pod casts, shooting and editing video, and composing their own background music for enhanced slide shows, videos, and pod casts.

Teacher/Staff Aide

.5 credit

Grades

10-12

Prerequisite: Sophomores, juniors and seniors only

Limited to four (4) semesters in four (4) years
Pass/Fail only

Students are assigned to a teacher or other CLS staff for the semester. Students carry out duties required by the supervising staff member. Students are given credit based on daily attendance, punctuality, a cooperative attitude, dependability and ability to perform duties at a level of competency.