



LANSING CHRISTIAN
SCHOOL

High School
Academic Program
&
Course Descriptions



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Mission and Philosophy

LCS Mission

Recognizing God as the source of all truth, wisdom, and knowledge, Lansing Christian School partners with Christian parents to educate children to the full extent of their God-given abilities. We engage students in an academically challenging environment that fosters spiritual and intellectual, as well as, social and physical growth. We equip students to exalt God and follow Christ in all aspects of life. We call students to grow in maturity in Jesus Christ, being knowledgeable about our faith, standing firm in our convictions, living as servants within our community and being stewards of God's creation.

Educational Philosophy

Education at Lansing Christian School is Christ-centered. It is based upon the infallible authority of the Bible as the written Word of God. We believe the Bible is uniquely valuable for the development of whole persons, and we prioritize its teachings in all academic pursuits (*Jer. 33:3; Prov. 1:7; Prov. 2:6; 2 Tim. 3:15-17*).

At Lansing Christian School, we actively support Christian parents in their effort to lead their children in the nurture and admonition of the Lord by providing a strong liberal arts education which values critical thinking and is rooted in Scripture and historical Christian wisdom (*Eph. 6:4; Prov. 18:15*).

We believe God's design gives the home the primary responsibility for children's education, and we acknowledge that the school serves as an extension of that authority (*Deut. 6:6-7; Prov. 22:6*). The diligent Christian parent, as a member of the body of Christ, seeks family growth in faith and practice with regular involvement in a local Christian church whose creeds and practices align with the doctrinal statement and policies of Lansing Christian School (*Acts 2:42; Rom. 12:5; Col. 3:16*).

Therefore, in cooperation with the home and church, Lansing Christian School exists to equip students with spiritual wisdom, intellectual understanding, social virtues, and physical fitness, so that they, as children of God, may "occupy their places worthily in society, church, and state" (*Article III, LCS Constitution*).

At Lansing Christian School, we challenge and train students to examine broad aspects of human knowledge from a Biblical worldview, in order to provide them with an appropriate framework for determining what is true and pleasing in God's eyes (*Rom. 12:2; Eph. 5:10; 2 Tim. 2:15*).

We cultivate students to model the Fruit of the Spirit, exhibiting Christ-like character, integrity, and self-discipline (*Gal. 5:22-23*). As Christians, we strive to see and value each person as God does: uniquely created in His image and saved by His grace, regardless of denomination, class, sex, race, ethnicity, or other temporal characteristics (*Gen. 1:27; 2 Cor. 5:17*). We recognize the universality of sin, and embrace a unifying identity in Christ that transcends earthly divisions (*Rom. 3:23; Gal. 3:28*). In all aspects of our school community, a Biblical standard of behavior is expected and upheld (*Col. 3:17; 1 Cor. 10:31; Eph. 6:7*).

We arm students with knowledge that not only challenges the mind but also shapes the heart, preparing them to be disciples of Christ who worship God with reverence, thanksgiving, and a commitment to serve (*Ps. 100:4-5; Josh. 24:15*). We commit to helping them discover, develop, and employ their God-given talents for His glory and the benefit of others (*Ps. 37:3; 1 Pet. 4:10-11; Rom. 12:6-8; Eph. 2:10*).

Trusting in our Lord and Savior, Jesus Christ, we educate students in such a way "that they may set their hope in God" and be faithful to Him all the days of their lives (*Ps. 78:7*).

Graduation Requirements

1. Students must successfully complete at least twenty-four (24) credits in order to graduate.
2. A year-long course that is completed and passed is equivalent to one (1) credit. A semester-long course is equivalent to one-half ($\frac{1}{2}$) credit.
3. Each student must receive recommendations of the faculty and administration and endorsement of the Board of Trustees in order to graduate.
4. Individual or emergency academic situations will be addressed by the administration on an individual basis throughout the semester.
5. Students must earn credits toward graduation in the following areas:

Department	Number of credits required	Credits recommended for college-bound students
Bible	4*	4*
English	4	4
History & Social Studies	3	3
Mathematics	4**	4**
Science	3	4
World Language	2	3
Fine Arts	1	1+
Physical Education and Health	1	1
Electives	2	1+
TOTAL NEEDED	24	25+

**One Bible course is required for each year of attendance at Lansing Christian School. Therefore, transfer students will only be required to take Bible courses for the number of years of LCS attendance.*

***A math course is required in 12th grade.*

Courses Required by Grade

NINTH GRADE	TENTH GRADE	ELEVENTH GRADE	TWELFTH GRADE
Bible 9 English 9 World History (or AP) Algebra I or Geometry Biology Physical Education & Health	Bible 10 English 10 U.S. History (or AP) Geometry or Algebra II Chemistry	Bible 11	Bible 12 Government & Economics

Course Registration

Registration for the following year's classes takes place each spring. Steps include:

1. Become acquainted with this course catalog and its course descriptions.
2. Complete or revise a four-year high school plan.
3. Complete a course request form to be signed by parents/guardians.
4. Register for courses in Skyward.
5. Courses requiring prior approval are noted in their descriptions. **APPROVAL MUST BE OBTAINED BEFORE YOU WILL BE ALLOWED TO SCHEDULE INTO THESE CLASSES.** Submit approval forms to the MS/HS office by the announced deadline.
6. Student schedules are distributed prior to the start of each school year. Students should carefully review their assigned classes, which are based on availability and scheduling conflicts. Classes cannot be added or dropped after the designated drop/add period.

Grading Scale

Grades are posted online at the end of each quarter. Quarterly grades are indicator grades, and are not reflected on transcripts. Only grades issued at the end of the semester are recorded on transcripts and factored into a student's GPA. The standard GPA is calculated on a 4-point scale; grades in Advanced Placement courses are weighted on a 5-point scale. See below for the standard LCS grading scale, standard grade points, and AP weighted grade points.

For courses transferred from other institutions, the letter grade assigned by the former school and credit will be recorded on the LCS transcript for any course listed on a transcript by an accredited institution within the United States. Otherwise, the transcript lists only the course and an indication that credit was earned.

Percentage range	LCS grading scale	Standard grade points	AP weighted grade points	Percentage range	LCS grading scale	Standard grade points	AP weighted grade points
95-100	A	4.00	5.00	73-76	C	2.00	3.00
90-94	A-	3.67	4.67	70-72	C-	1.67	2.67
87-89	B+	3.33	4.33	67-69	D+	1.33	2.33
83-86	B	3.00	4.00	63-66	D	1.00	2.00
80-82	B-	2.67	3.67	60-62	D-	0.67	1.67
77-79	C+	2.33	3.33	0-59	E	0.00	0.00

Credit and Grading Policies

Drop/Add Policy

Students are expected to be in their scheduled classes for the entire year. Exceptions must be approved by the principal. To be granted a drop/add request, students must have a drop/add form signed by their parent/guardian, the teacher(s) involved, and the principal. All course changes must be completed within the first two weeks of each semester. After that period, a “W” or withdrawal will be indicated on the transcript.

External Credit

Students are expected to earn all credit for graduation through Lansing Christian School. In certain approved exceptions, students may earn credit through external means such as online courses, dual enrollment, or successful completion of a program at a local career center. The following policies apply:

- A maximum of **four** high school credits may be applied toward graduation from LCS from approved external credits.
- Students **must** be enrolled for at least five credits each year, at least four of which **must** be earned directly through Lansing Christian School.
- Students must receive **prior approval** from their parents/guardians and school administrators to participate in external credits.
- Students must receive **prior approval** from the principal in order for external credits to count toward their graduation requirements.
- Students interested in external credits should complete the form available in the office.

Class Rank

To graduate as valedictorian or salutatorian of the class, a student must have attended at least their final four high school semesters at Lansing Christian School. The final semester is not used in determining the graduation ranking.

Repeating Courses

With the principal’s permission, a course in which a student received a “C” grade or lower may be repeated. Students scoring below a “C” grade may retake the course once for a higher grade, but can only receive credit for it once. The student’s transcript will indicate both attempts, but only the higher grade will count toward the student’s GPA. Any student may choose to repeat certain elective courses.

BIBLE

Bible 9 - The Life of Christ

Grade 9 (required)

1 Credit

Prerequisite: None

Bible 9 traces the life, identity, and mission of Jesus Christ from His birth through His ascension. Students study Matthew, Mark, and Luke together in chronological order before revisiting His life through John's distinctive witness. The Gospels are interpreted in light of the Old Testament and clarified through selected passages from the Epistles. Particular attention is given to Jesus as Israel's promised Messiah, the eternal Son, God incarnate, and to His fulfillment of the offices of Prophet, Priest, and King. Students will examine how each Gospel offers a distinct yet complementary witness and how Christ's identity calls for faith, worship, and discipleship.

Bible 10 - The Early Church

Grade 10 (required)

1 credit

Bible 10 traces the development of the apostolic Church from Christ's ascension to John's Revelation on Patmos. Acts provides the chronological framework as students follow the gospel from Jerusalem through the Roman world. Along the way, they study the Epistles within the historical circumstances in which they were written. Acts, the Epistles, and Revelation are all presented as one unfolding account of the risen Christ building and preserving His Church through the Holy Spirit. Students will examine missionary expansion, theological controversy, church leadership, persecution, martyrdom, and the passing of the apostolic generation, concluding with Revelation's unveiling of Christ's sovereign victory and the renewal of all things.

Bible 11 - Romans and Christian History

Grade 11 (required)

1 credit

Bible 11 studies the history of Christianity as God's redemptive plan fulfilled in Christ and carried forward by the Holy Spirit through the Church. Romans provides the primary scriptural framework, supplemented by Old and New Testament texts. Students will examine the life of the Church from the Apostolic Fathers through medieval Christendom, the Great Schism, the Reformation, and the development of American Christianity. The course considers how the gospel formed one people from many nations and who Christ must be to redeem humanity. It also examines how Christians have ordered their common life, responded to division, and carried the gospel to the ends of the earth under Christ's lordship.

Bible 12 - Apologetics and Evangelization

Grade 12 (required)

1 credit

Bible 12 prepares students to understand, defend, and proclaim the Christian faith within a world of competing religious, philosophical, and cultural beliefs. Students compare Christianity with major world religions, examine the development of naturalism and progressive secularism, and recognize the coherence and explanatory power of the Christian faith. The course then moves from apologetics to evangelization. Students build a rational case for truth, God, Scripture, and Jesus Christ before learning to articulate the gospel and share their personal testimonies. They practice communicating with wisdom, love, and dependence upon the Holy Spirit while considering how their gifts and interests may be directed toward God's purposes.

Spiritual Leadership

Grades 9-12

Prerequisite: Application required

Spiritual Leadership is a year-long elective for students who desire to serve the spiritual life of the LCS community. Students receive practical instruction and supervised experience in worship leadership, public speaking, prayer, children's ministry, chapel technology and ministry planning. Working as a team, they help prepare and lead middle school, high school, and elementary chapels, support prayer initiatives, and participate in service projects. The course emphasizes biblical leadership, spiritual maturity, reliability, humility, collaboration, and thoughtful reflection on effective ministry. Because students assume visible responsibilities within the school community, enrollment requires an application and approval from the Bible Department.

ENGLISH

English 9: English Literature

Grade 9 (required)

1 credit

Ninth grade English Literature is a year-long course that builds the reading, writing, speaking, and language skills needed for success in high school. Students will study short stories, novels, poetry, drama, and nonfiction while learning to identify literary elements, analyze an author's choices, and evaluate texts from a Christian perspective. Writing instruction will emphasize clear organization, evidence-based analysis, grammar, mechanics, and the writing process. Students will also strengthen discussion and presentation skills through collaborative work and formal speaking assignments.

English 10: American Literature

Grade 10 (required)

1 credit

In English 10, students will learn to see authors and their works in the framework of their position within United States history, relate authors and philosophies to their works, and evaluate American literature from a Christian perspective. This year-long course includes in-depth studies of American writers and their craft. Students will also practice literary analysis and persuasive writing in the context of the works being studied.

Composition

Grades 11-12

1 credit

Prerequisite: None

Composition is a year-long course designed to prepare students for college and career writing experiences. Students will begin by designing an authentic resume and cover letter. Students will then engage in the writing process to create a variety of works, including a college essay, expository writing, and research. They will review and strengthen their skills in research methods, writing style, word choice, MLA format, grammar, mechanics, and punctuation.

World Literature

Grades 11-12

1 credit

Prerequisites: English 9 and English 10

World Literature continues to build a foundation of knowledge, skills, and strategies that students can apply to complex ideas and tasks, including reading in other content areas throughout this year-long course. Students will read and evaluate a mixture of classical and modern texts from around the world that continue to influence thought and culture. Students will identify similarities in the human

experience from a Christian perspective and express that understanding through a variety of assessments, including tests, essays, discussions, and projects.

AP English Literature & Composition

Grades 11-12

1 credit

Prerequisite: Application required

AP English Literature and Composition is a one-year course equivalent to a college-level English course. Students are expected to take the Advanced Placement examination in May, and college credit may be awarded based on the student's score and the policies of the college attended. This course cultivates students' understanding of character, setting, structure, perspective, and figurative language in the context of each work studied. Through close reading of literary texts, students will deepen their understanding of the ways writers use language and literary techniques to portray the complexities of the human experience. Students will analyze those experiences from a Christian perspective and will practice writing clear, evidence-based literary arguments.

Literature of C.S. Lewis

Grades 11-12

½ credit

Prerequisite: English 9 and English 10

C.S. Lewis stands as one of the key Christian thinkers and literary figures of the 20th century. This course will work through some of Lewis's most famous works, including *Mere Christianity* and *The Screwtape Letters*. Alongside these works, students will also read some of Lewis's apologetic writing, including *The Abolition of Man*, in order to understand the ways in which Lewis grappled with humanity's relationship with technological and scientific advancement. This course is intended to strengthen students as readers and writers and to provide a place for them to think deeply about what it means to be a Christian.

Literature of J.R.R. Tolkien

Grades 11-12

½ credit

Prerequisite: English 9 and English 10

J.R.R. Tolkien is one of the 20th century's most important literary figures and a founding father of the modern fantasy genre. Tolkien blended his Christian faith with his love of Anglo-Saxon and Norse mythology to create what he called a 'mythology for England.' In this semester-long literature elective, students will immerse themselves in Tolkien's fantasy writing, including *The Hobbit* and *The Lord of the Rings*. This course is designed to foster a lifelong love of reading, further develop and reinforce reading and writing skills, and provide a robust introduction to Tolkien's work.

FINE ARTS

VISUAL ARTS

Beginner/Intermediate Art

Grades 9-12

1 credit

This year-long course introduces students to foundational techniques in both drawing and painting. Students will develop observational skills and learn to represent what they see using pencil, charcoal, pen, pastels, watercolor, and acrylic paint. Instruction will include line, value, shading, composition, color theory, brushwork, and a brief study of artistic styles. Through guided practice and original projects, students will build confidence, refine craftsmanship, and begin developing a personal artistic style.

Sculpture/Ceramics

Grades 9-12

½ credit

In this course, students will learn how to make pottery that is both decorative and functional. Students will examine how different cultures use pottery and will study a brief history of ceramics. They will learn hand-building techniques, how to fire and glaze clay, and how to critique their work in class. Students will also work with a variety of other sculptural materials and processes.

Mixed Media

Grades 9-12

½ credit

Students will learn how to use non-traditional materials to create art. Materials include, but are not limited to, magazines, coffee, textiles, wire, and glass. Students will also have the opportunity to complete linoleum block printing. The class will examine modern and contemporary artists who use varied materials to create art. Students who enjoy experimenting with different materials and processes will find many opportunities for creative exploration in this course.

Advanced Art (offered beginning in 2027-2028)

Grades 11-12

½ credit

Prerequisite: Teacher approval required.

Recommended for students planning to continue art in college, Advanced Art is intended for students who want to refine their artistic skills. Students in this class will create and critique their work every few weeks and will choose some projects according to the skills they hope to improve. This course is designed for self-motivated students who are serious about creating art and developing a strong body of work.

MUSIC

Band/Instrumental Ensemble

Grades 9-12

1 credit

Prerequisite: Previous band/instrumental ensemble experience and/or approval from teacher

This course is designed for the development of skills through study and performance of standard band, ensemble, and solo literature. Performance opportunities may include school concerts, chapels, pep band, marching band, and community or church performances. Discussion of the spiritual characteristics of music is also included. Necessary equipment and materials include an instrument, reeds for woodwind instruments, oil for brass instruments, and drum sticks for percussionists.

Choir

Grades 9-12

1 credit

Prerequisite: None

Chorale is a performing choir open to freshmen, sophomores, juniors, and seniors. Participation in Chorale is not contingent upon past choral experience. Chorale will give students instruction in singing and musicianship skills, repertoire from various eras and music styles, opportunities for small ensemble and solo singing, as well as performance opportunities at concerts, community events, and festivals.

HISTORY & SOCIAL STUDIES

World History

Grade 9 (required/or AP)

1 credit

Prerequisite: None

World History is a one-year course that begins with the Middle Ages and concludes with the 19th century. The first semester will focus on Medieval, Byzantine, Islamic, and Renaissance-era civilizations. The second semester will focus on the Age of Absolutism, the French Revolution, India and China, and the 19th century. This course will enable students to develop a broad understanding of many world civilizations with an emphasis on the history and development of Western civilization.

AP World History

Grades 9-10

1 credit

Prerequisite: Application required; fulfills the World History requirement

This course surveys world history from AD 1200 to the present, building on the foundation developed in middle school. Beginning with the High Middle Ages, the course explores topics such as the Renaissance and Reformation, the Enlightenment, the Industrial Revolution, both World Wars, and the Cold War. As an Advanced Placement class, this course reflects the rigor and expectations of an introductory college history course. Students are expected to prepare for the AP exam in May and may earn college credit based on their score and the policies of the college they attend. Students will develop critical reading and writing skills, assess and evaluate primary sources, and write coherent arguments grounded in evidence and sound reasoning.

United States History

Grade 11 (required/or AP)

1 credit

United States History is a one-year course that begins after the American Civil War. Units cover the late 19th century through the late 20th century. The course emphasizes the major personalities, ideas, wars, movements, and trends in the development of the United States. The content gives students a historical perspective on the nation and how it developed, while also enabling students to better understand and interpret current events.

AP United States History

Grade 11

1 credit

Prerequisite: Application required; fulfills U.S. History requirement

This course is a survey of American History from the colonial era to the present day United States. The course will provide the students with analytic skills and factual knowledge that is necessary to deal

critically with the problems and materials in United States history. The course will prepare students for college courses by making demands upon them equivalent to those made by introductory college courses. The course will develop skills that are necessary to make conclusions based on an informed judgment by learning to assess historical materials and focusing on primary documents. The course will incorporate lecture, discussion, and examination of materials to meet the goals for the course.

World War II (offered every other year)

Grades 10-12

1 Credit

Prerequisite: World History

This year-long elective examines the Second World War in depth. Students will be challenged and encouraged to think independently about the causes of the war as well as the manner in which the war was fought. The course includes detailed study of the nature and organization of the Nazi regime, the Holocaust, major theaters and turning points of the conflict, and the experiences of civilians and combatants. The course concludes by examining how the end of World War II contributed to the Cold War and reshaped the modern world.

Economics

Grade 12 (required)

½ credit

Senior Economics is a basic introduction to free-market economics. Macroeconomics is studied, with specific units on the relationship between economics and politics; distribution of income; market systems; supply, demand, and prices; and the theory, structure, and organization of business in the United States. Comparisons are made among the economic systems of communism, socialism, and capitalism. Biblical economic principles are integrated throughout the course.

Government

Grade 12 (required)

½ credit

This course focuses on how the United States government functions. It emphasizes the institutions of the federal government, including Congress, the courts, the presidency, and the executive bureaucracy. Students will also study distinctive features of the United States system, including separation of powers, checks and balances, and federalism. Special emphasis is given to the Bill of Rights, civil liberties, civic responsibility, and the application of constitutional principles to contemporary public issues.

MATHEMATICS

Algebra I

Grade 9 (required)

1 credit

Prerequisite: Completion of Math 8

Algebra I explores the relationships of different families of functions through multiple representations applied in context. The concept of function is emphasized throughout the course. Topics include patterns and sequences; linear equations and inequalities; linear relationships; describing data; describing functions; systems of linear equations and inequalities; advanced functions; and exponential functions. Other prerequisite topics, such as expressions and geometry foundations, may be reviewed. Basic factoring will be introduced.

Geometry

Grades 9-10 (required)

1 credit

Prerequisite: Completion of Math 8 or Algebra I with satisfactory mastery; may be taken concurrently with Algebra II with teacher approval.

Geometry offers students the opportunity to explore shapes and their relationships. Students will learn to write proofs using logical reasoning skills. Geometry includes the study of constructions, transformations, congruence, similarity, coordinate geometry, circles, and solid geometry.

Algebra II

Grades 10-12 (required)

1 credit

Prerequisite: Completion of Geometry with teacher recommendation; may be taken concurrently with Geometry with teacher approval.

Algebra II focuses on the study of functions and their representations, including function operations and transformations, quadratic, polynomial, power, rational, exponential, and logarithmic functions. Trigonometric functions may also be introduced. A TI-84 Series graphing calculator is required; students will not be permitted to use a graphing calculator with computer algebra system (CAS) features.

Algebra II-B (2026-2027 only)

Grades 10-12

1 Credit

Prerequisite: Algebra II-A or equivalent first-year Algebra II coursework

Algebra II-B is designed for students completing Algebra II content through an extended sequence. The course builds on prior work with functions and focuses on function operations and composition, inverse functions, exponential and logarithmic functions, rational functions, and trigonometry. Students will strengthen algebraic reasoning, connect multiple representations, and complete the Algebra II content

required for graduation. A TI-84 Series graphing calculator is required; students will not be permitted to use a graphing calculator with CAS features.

AP Precalculus

Grades 11-12

1 credit

Prerequisite: Completion of Algebra II or the Algebra II extended sequence; students are expected to prepare for and take the AP Precalculus exam

AP Precalculus is a rigorous course designed to bridge algebra, geometry, and trigonometry. It emphasizes deep understanding of functions (polynomial, rational, exponential, logarithmic, trigonometric, and parametric), their transformations, and modeling real-world phenomena. Students also explore rates of change, periodic behavior, vectors, and matrices through numerical, graphical, and analytical approaches. A qualifying score on the AP Precalculus exam may result in college credit and/or advanced placement, and this course also prepares students for Calculus or other college-level classes. A TI-84 Series graphing calculator is required.

AP Calculus AB

Grades 11-12

1 credit

Prerequisite: AP Precalculus or equivalent Precalculus course; application required

AP Calculus AB is a college-level introductory calculus course that develops students' understanding of the concepts of calculus and provides experience with its methods and applications. Topics include limits and continuity, derivatives, Riemann sums, integrals, the Fundamental Theorem of Calculus, and basic differential equations. Students will apply calculus concepts to analyze data, interpret situations, create mathematical justifications, draw conclusions, and solve application problems. A qualifying score on the AP Calculus AB exam may result in college credit and/or advanced placement. A TI-84 Series graphing calculator and/or a TI-Nspire CAS graphing calculator is required.

Statistics and Probability (offered during fall semester)

Grade 12

½ credit

Prerequisite: Algebra II or the Algebra II extended sequence

This course will review the basics of statistics and probability as well as extend students' understanding of how to interpret statistics, generate statistics, and use them appropriately. Topics include measures of central tendency and spread, counting and probability, statistical inference, and representing data numerically and graphically.

Math Seminar

Grade 12

½ credit

Prerequisite: Algebra II or the Algebra II extended sequence

This class will focus on mathematics outside of school, emphasizing how math is used in a variety of careers and personal finance. Students will engage in projects designed to provide experience using mathematics to solve real problems. A second major unit will explore personal finance, including budgeting, saving and investing, and loans and debt.

PHYSICAL EDUCATION

Physical Education

Grade 9 (required)

½ credit

Prerequisite: None

The primary focus of ninth grade Physical Education will be on making healthy choices, personal fitness and nutrition, and individual and team sports. The goal is to provide students with the knowledge and experience necessary to improve their health and to expose students to activities and skills that will benefit them now and in the future. Students will develop an understanding of personal health and wellness, emphasizing the body as God's temple and maintaining a lifestyle that includes care of both body and soul.

Health

Grade 9 (required)

½ credit

Prerequisite: None

The primary focus of ninth grade Health will be on choosing to live a healthy lifestyle, including proper nutrition, and general physical and mental well-being. The goal is to provide students with the knowledge necessary to make responsible decisions that support lifelong health. Students will develop an understanding of personal wellness, emphasizing the body as God's temple and maintaining a lifestyle that includes care of both body and soul. Units include nutrition, physical fitness, substance-abuse prevention, social and emotional health, and healthy and responsible relationships.

Weight Training

Grades 10-12

½ Credit or 1 Credit

Prerequisite: Physical Education and Health

This weight-training course provides students with the knowledge required to understand and combine basic exercises into a comprehensive program focused on muscular strength and hypertrophy. Students will learn to demonstrate exercises safely, understand why each exercise targets specific muscles, and set appropriate goals for individual achievement and lifetime fitness. Instruction will emphasize proper technique, gradual progression, responsible use of equipment, and the development of a personalized training plan.

Lifelong Fitness

Grades 10-12

1 Credit

Prerequisite: Physical Education and Health

This course focuses on individual physical conditioning and active training methods for long-term health. Students practice diverse exercise modalities including weightlifting, circuit training, and cardiovascular

workouts. The course emphasizes personal goal-setting, proper movement techniques, and fitness tracking to build sustainable, lifelong exercise habits.

SCIENCE

Biology

Grades 9-10 (required)

1 credit

Prerequisite: None

In this year-long course, students will learn about the complex and awe-inspiring living world that God has created. Topics will include biology as a scientific discipline, ecology with applications to Earth science, the five kingdoms of life, human anatomy and physiology, the cell, human reproductive anatomy and fetal development, genetics, DNA, biotechnology, and evolutionary theory and creation-based perspectives on the origin and diversity of life.

Chemistry

Grades 10-11 (required)

1 credit

Prerequisite: Algebra I and Biology; may be taken concurrently with Biology with application and teacher approval.

This course begins with an in-depth study of chemical compounds and reactions, emphasizing nomenclature and stoichiometry. From there, students survey important chemistry topics, including thermochemistry, ideal gas behavior, electron configurations, bonding theories, acids and bases, oxidation-reduction, and electrochemistry. The course focuses on successful problem solving and effective scientific communication.

Anatomy and Physiology

Grades 11-12

1 credit

Prerequisites: Biology

This course will examine the anatomy, physiology, regulation, biochemistry, and integration of various organ systems in the human body. In doing so, students will see how structure relates to function in God's masterful design of the body. Students will be able to describe the gross anatomical and histological structure and function of the nervous, endocrine, digestive, muscular, cardiovascular, respiratory, renal, and reproductive systems. Emphasis is on normal function, but appropriate clinical

aspects may be discussed. This course is designed for students preparing for health occupations or those interested in the functioning of the human body.

Physics

Grade 11-12

1 credit

Prerequisites: Algebra II (waived with A or A- in Geometry), Biology, and prior high school science coursework; this course may count as a 4th year math experience.

This course explores the laws of physics as a window into God's ordered creation, and as the foundation of all other natural sciences. Students will investigate topics including motion, forces, energy, waves, sound, light, electricity, and magnetism. Mathematics is employed as the precise language for describing physical phenomena, and laboratory experiences reinforce concepts through hands-on investigation. Students will also learn to apply their growing knowledge of physics to analyze problems in real-world contexts.

AP Chemistry

Grades 11-12

1 credit

Prerequisites: Biology and Algebra II, Chemistry recommended in the preceding year; application required; this course may count as a 4th-year math experience.

AP Chemistry is a college-level course that explores the properties and behavior of matter at the atomic and molecular level. Topics covered include atomic structure, periodic trends, chemical bonding, molecular geometry, stoichiometry, states of matter, solutions, thermodynamics, kinetics, chemical equilibrium, acids and bases, and basic electrochemistry. The class also emphasizes the development of laboratory skills through hands-on experiments and data analysis. A qualifying score on the AP Chemistry exam may result in college credit and/or advanced placement. Because of the depth and breadth of the content, students are encouraged to take Chemistry in the preceding year.

AP Biology

Grades 11-12

1 credit

Prerequisites: Biology and Chemistry; application required

AP Biology is a college-level course that focuses on the major ideas set forth by the College Board AP Biology framework, including evolutionary theory and creation-based perspectives on the origin and diversity of life, energy dynamics, information storage and transfer, and biological interactions from the molecular to the ecological level. Students will engage in College Board science practices and develop

these skills through inquiry laboratories and activities. Students who complete this course are expected to take the Advanced Placement Exam. A qualifying score may result in college credit and/or advanced placement.

WORLD LANGUAGE

Spanish I

Grades 9-12

1 credit

Prerequisite: None

This introductory course develops a strong foundation in listening, speaking, reading, and writing in Spanish. Students will learn essential vocabulary, pronunciation, sentence formation, and grammatical structures while progressing from basic conversational expressions to present- and past-tense communication. Daily activities will help students understand directions, respond in complete sentences, and communicate with increasing confidence. Students will also explore the traditions, history, and contributions of Spanish-speaking cultures. Christian faith integration includes learning basic prayers, praying for others, and memorizing selected Bible verses in Spanish. Regular practice outside the classroom will be expected.

Spanish II

Grades 9-12

1 credit

Prerequisite: Spanish I

This course continues the development of students' listening, speaking, reading, and writing skills in Spanish. Students will expand their vocabulary and study increasingly complex grammatical structures, including the preterite and imperfect tenses, commands, reflexive verbs, the subjunctive, perfect tenses, and the future tense. Daily conversational activities will require students to respond in complete sentences and communicate about past, present, and future events. Students will complete reading, writing, speaking, and listening assignments both inside and outside the classroom. They will also use Spanish in prayer for their families, churches, communities, school, nation, and world.

Spanish III

Grades 10-12

1 credit

Prerequisite: Spanish II

This advanced course strengthens students' ability to communicate effectively through listening, speaking, reading, and writing in Spanish. Approximately 70-90% of classroom instruction and interaction will take place in Spanish. Students will refine previously learned grammar and verb tenses while developing greater fluency through daily conversation, reading, writing, and listening activities. The course will also examine the cultures of Spanish-speaking communities through a Christian worldview, emphasizing unity in Christ. Students will develop practical language skills that can be used in travel, ministry, missions, sharing the gospel, and building relationships within Spanish-speaking communities.

AP Spanish

Grades 11-12

1 credit

Prerequisite: Spanish III; Application required

The AP Spanish Language and Culture course places heavy emphasis on authentic Spanish-language texts, vocabulary acquisition, and the continued refinement of advanced grammatical concepts. Approximately 95% of instruction takes place in Spanish, with limited use of English. Throughout the year, students will study the six main themes designated by the College Board AP Spanish Language and Culture framework. Students are expected to take the AP Spanish Language and Culture exam at the end of the course. By completing this course, students will strengthen their ability to speak, write, and interpret spoken and written Spanish with increasing fluency and cultural understanding.

OTHER COURSES

Study Skills

Grades 9-12

1 credit

Study Skills provides structured support to help students become more independent, organized, and effective learners. Students will develop practical strategies for managing time, tracking assignments, setting goals, taking notes, preparing for assessments, reading academic texts, and completing long-term projects. The course also emphasizes self-advocacy, responsible technology use, productive study habits, and reflection on individual strengths and areas for growth. Students will receive guided time to apply these strategies to work from their other courses while learning how to plan, prioritize, and follow through on academic responsibilities.