

2016-2017

*Guide to
Curriculum
for
Parents and
Students*

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for
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Vision

Equipping young men and women to engage and transform the world for Jesus Christ

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, intellectual, social and physical growth. We equip students to exalt God and follow Christ in all of life.

Core Values

We Glorify God in All of Life

Knowing God, loving His Word, and living for Him are the foundation for everything we do at Lansing Christian School. We seek to live our faith in our relationships, our character, and our service.

We Honor God through Excellence

Striving for excellence is expected from all members of the Lansing Christian School community. We foster excellence in academic, co-curricular, and extracurricular programs.

We Live and Learn in Christian Community

Cultivating caring and respectful relationships is integral to every aspect of school life. We prepare students to flourish as they discover and develop their God-given gifts and abilities. We teach, model, and practice servant leadership.

We Partner with Christian Parents

Lansing Christian School exists to assist parents in building a strong Christian foundation for their children. We serve Christian families who desire a Christ-centered education for their children.

Motto

"Growing Minds, Nurturing Faith, Preparing Lives"

Lansing Christian School Beliefs

Lansing Christian School is committed to the Christian perspective of life as set forth in the Bible, recognizing God as the Creator of all things, Jesus Christ as the Son of God and the Savior of all who acknowledge Him as Lord, and the Holy Spirit as the one who reveals truth. We believe that the knowledge of God is the beginning of wisdom, that fellowship with God is the basis for true fellowship with one another, that each student is uniquely created by God as a spiritual and physical being and is endowed with particular gifts. The goal of our school, in cooperation with the home and church, is to assist the parents to train their children in the nurture and admonition of the Lord and to aid each student to develop to his or her full potential. Therefore, we believe that it is right and reasonable that families join together to provide an educational system which accomplishes this aim.

Acting on this belief, we seek to:

1. Encourage the spiritual growth of our students by:

- a) teaching the Bible as the Word of God and as a source of doctrine and guide for daily living.
- b) encouraging each student to come into a personal relationship with Jesus Christ, to honor Him as Lord and Savior and seek to know and do the will of God.
- c) encouraging the development of godly character and a Spirit-controlled life, described in the Scriptures.

2. Encourage the intellectual growth of our students by:

- a) assisting the students to recognize in every area of study the revelation of God in His creation and in the Holy Scriptures.
- b) providing a broad and versatile curriculum which will seek to develop each child's potential and will seek to provide thorough preparation for each student to succeed in college or other post high school endeavors and to live effectively in the changing world of the 21st century.
- c) stimulating creative and critical thinking in all areas of study.
- d) promoting cultural development and aesthetic appreciation in their lives.

3. Encourage the social growth of our students by:

- a) encouraging an individual sense of personal worth as a special creation of God and a recipient of His love.
- b) fostering the establishment of wholesome relationships through an acceptance of one another in Christian love, learning to understand and respect the views of others, and developing an appreciation of the heritage and culture of themselves and others.
- c) helping students recognize and assume responsibilities to their home, church, school, community, country, and world.

4. Encourage the physical growth of students by:

- a) helping them to realize that their bodies are the temples of God.
- b) emphasizing that a purpose of physical fitness is to bring glory to God.
- c) promoting health, fitness, coordination, and skillful use of the body.

Graduation Requirements

1. Students must have successfully completed twenty-four (24) credits in order to graduate.
2. A yearlong single class (45 minutes long) that is taken and passed is equivalent to one credit.
3. The following courses are required to be taken and passed for the credits to be received.

| COURSE | CREDITS REQUIRED* | CREDITS RECOMMENDED FOR COLLEGE BOUND STUDENTS |
|-------------------------------|-------------------|--|
| Bible | 4 | 4 |
| English | 4 | 4 |
| Mathematics | 4** | 4** |
| Social Studies | 3 | 3 |
| Science | 3 | 3 |
| Fine & Performing Arts | 2 | 2 |
| Foreign Language | 2 | 3 |
| Physical Education and Health | 1 | 1 |
| Electives | 1 | 0 |
| TOTAL NEEDED | 24 | 25 |

*Adjustment of requirements may be made for students with special needs.

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

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.

THE FOLLOWING COURSES ARE REQUIRED:

| NINTH GRADE | TENTH GRADE | ELEVENTH GRADE | TWELFTH GRADE |
|--------------------|---------------------|----------------------|---------------|
| Bible 9 | Bible 10 | Bible 11 | Bible 12 |
| English 9 | Biology | British Literature | Economics |
| Intro to Chemistry | American Literature | U.S. History (or AP) | Government |
| Intro to Physics | | | |
| Physical Education | | | |
| Health | | | |

Each student must receive recommendations of the faculty, administration, and endorsement of the School Board in order to graduate.

Cases involving inappropriate placement of students in academic areas, as well as emergency situations, will be dealt with by the administration on an individual basis throughout the semester.

GRADES

Grades will be posted online or sent home at the end of each nine weeks of semester courses. These are indicator grades and will not be entered on transcripts. Only grades issued at the end of the semester will be transcript grades.

In most subjects, a letter grade is used. In some subjects or activities, a credit is simply recorded. When grades are reported, the following scale is used.

| GRADE | G.P.A. VALUE |
|-------|---|
| A | 4.00 |
| A- | 3.66 |
| B+ | 3.33 |
| B | 3.00 |
| B- | 2.66 |
| C+ | 2.33 |
| C | 2.00 |
| C- | 1.66 |
| D+ | 1.33 |
| D | 1.00 |
| D- | .66 |
| E | 0 / Failed for quarter |
| F | 0 / Failed for semester / Used as divisor |
| G | Attendance Failure |
| P | 0 / Pass / Not used as divisor |

The figures above are added together and divided by the # of total credits earned and/or attempted.

For example:

$$\begin{array}{r}
 5 \text{ A's} = 4.00 \times 5 = 20.00 \\
 5 \text{ C's} = 2.00 \times 5 = 10.00 \\
 \underline{4 \text{ C-'s} = 1.66 \times 4 = 6.64} \\
 14 \qquad \qquad \qquad 36.64
 \end{array}
 \qquad
 \text{G.P.A.} = 36.64 / 14 = 2.62$$

If the student fails a class, "F" is used in the calculating process.

$$\begin{array}{r}
 5 \text{ A's} = 4.00 \times 5 = 20.00 \\
 5 \text{ C's} = 2.00 \times 5 = 10.00 \\
 4 \text{ C-'s} = 1.66 \times 4 = 6.64 \\
 \underline{1 \text{ F} = 0 = 0} \\
 15 \qquad \qquad \qquad 36.64
 \end{array}
 \qquad
 \text{G.P.A.} = 36.64 / 15 = 2.44$$

NOTE: Because the computer rounds point values when determining G.P.A., the official computerized transcript G.P.A. may be a little different from any manual G.P.A. determination.

REGISTRATION PROCEDURES

Registration for the next year's classes takes place in spring of the current year.

The steps for registration are:

1. Become well acquainted with the Guide to Curriculum.
2. Complete a 4-year plan, if not done previously. It is required for 9th and 10th graders.
3. Complete course requests on Skyward or a course request form.
4. Courses that require approval are noted in the course description of that class.
APPROVAL MUST BE OBTAINED BEFORE YOU WILL BE ABLE TO SCHEDULE INTO THAT CLASS.
5. Forms need to be submitted to the office by the announced deadline.
6. The student's year schedule will be given to students in the summer before school begins.

STUDENTS NEED TO CAREFULLY CONSIDER THEIR CHOICES OF COURSES.

STUDENTS WILL NOT BE ALLOWED TO ADD OR DROP CLASSES AFTER THE DESIGNATED DROP / ADD PERIOD.

BIBLE

Bible 9

1 credit

Required

The theme of Bible 9 is ***The Living Word of God: The Foundation of Faith***. Students will study redemptive history as recorded in Scripture, which will serve as a foundation for later studies in New Testament letters and Church history. This course begins with an overview of the entire Bible. Selected Old and New Testament lessons and themes will then be studied in depth with an emphasis on applying faith lessons from God’s Word. Further studies in the Life of Christ and the Book of Acts will deepen this foundation of faith for students.

Bible 10

1 credit

Required

The theme of Bible 10 is **“Personal Discipleship”: The Abundant Life of Faith**. Basic Bible interpretation and book survey skills will be learned and applied to various New Testament letters with the goal of growing in the Christian faith. Friendship, Dating, and Sexuality will be studied in order to learn God’s good plan for relationships. The Book of Psalms will be studied with the goal of enhancing personal and corporate worship. Students will learn personal Bible study techniques, prayer, and witnessing in order to develop personal discipleship skills. Students will also complete various contemporary topical studies in order to develop research, reporting, and discussion skills.

Bible 11

1 credit

Required

The theme of Bible 11 is **“Life in Christ”: Understanding and Living the Christian Calling**. A study of the book of Romans will provide an understanding of the full gospel message—what it is and how to live it out. A study of 1 Corinthians will provide an understanding of the wisdom of God and how the kingdom of heaven comes to earth. A study of Christian Apologetics will equip students with tools necessary to defend the importance of truth and to give sound reasoning for why they believe what they believe. Further studies will help students gain a perspective on God's calling, design, and purpose for their lives so they can make informed decisions about college and their future pursuits.

Bible 12

1 credit

Required

The theme for Senior Bible is **“Covenant and Kingdom”: The Responsibilities, Power, and Impact of Faith**. This course begins with a study of basic doctrinal beliefs of the Christian faith as a foundation for understanding and living out Biblical faith. The Biblical theme of the covenant is traced throughout the Bible emphasizing faith and obedience to God in all areas of life. The Sermon on the Mount, the early Church, and the study of Christian ethics emphasize the Christian responsibility for consistent Biblical living. A study of post-apostolic church history will enable students to understand how the church has lived out the faith through the centuries and how it has understood its nature and role in society. The Christian family and marriage and its Biblical basis will be studied through research, discussion, and simulation exercises. Contemporary issues of concern, vocations, and ways of impacting our culture will be explored through research and discussion. All of Senior Bible is geared towards a final project and presentation in which each student will demonstrate what they believe and how they are progressing in their worldview.

FINE ARTS

ART

Intro To Art:

(Prerequisite for all other art classes)

½ credit

Students will have the opportunity to learn how to use a variety of different materials as well as receive an overview of art history. They will learn basic techniques in drawing, painting, ceramics, and mixed media. Students will build their toolbox of techniques and learn how to problem solve in art.

Drawing:

½ credit

Prerequisite: Intro to Art

In this course, students will learn how to draw using pencil, charcoal, pen and pastels. Students will learn how to train their eye to accurately draw what they are seeing. They will also learn many different drawing and shading techniques.

Painting:

½ credit

Prerequisite: Intro to Art

This course is designed to teach students how to paint using both watercolor and acrylics. Students will learn about color theory, styles of painting, and the history of painting. In this class, students will begin to develop their own style of painting.

Sculpture/Ceramics:

½ credit

Prerequisite: Intro to Art

In this course, students will learn how to make pottery—both decorative and functional. Students will look at cultures that use pottery as well as a history of pottery. They will learn how to fire and glaze clay as well as critiquing their work in class. Students will also be able to work in wire and plaster.

Mixed Media:

½ credit

Prerequisite: Intro to Art

Students will learn how to use non-traditional materials to create art. Materials include but are not limited to: magazine, coffee, textiles, wire, glass, etc. Students will also be able to do linoleum block printing. They will also look at modern and contemporary artists who use different materials to create art. Students who love working with different materials will love this class.

Advanced Art:

½ credit

Prerequisite: Must take Intro to Art and at least 3 other classes. Must also be a junior or senior.

Recommended for students planning on continuing art in college. Advanced art is intended for students who want to refine their artistic skills. Students will be making and critiquing their work every few weeks. Students will choose some of their projects according to the skills they hope to improve on. This course is only for students who are self-motivated and serious about creating art.

Graphic Design:

Grades 10-12

1 credit

Prerequisite: Intro to Art

This course is an introduction to graphic design (computer based art) and typography, as well as the development of a design thought process. Students will become familiar with the tools and techniques of graphic design; acquire a working knowledge of Adobe Illustrator, InDesign, and Photoshop; and be able to translate ideas into form in a meaningful, dynamic, and engaging way.

MUSIC

INSTRUMENTAL

High School Band

Grades 9-12

1 Credit

Prerequisite: Audition

This course is designed for the development of skills through study and performance of standard band, ensemble, and solo literature. Performance opportunities include school concerts, chapels, pep band, marching band, churches, community, and District and State Festivals. Discussion of the spiritual characteristics of music is also included. Equipment and materials include an instrument, a tuning device for band instruments, reeds for woodwind instruments, oil for brass instruments, and shared drum sticks for percussionists.

VOCAL

High School Concert Choir

Grades 9-12

1 Credit

Prerequisite: None

Concert Choir is an entry level choir primarily for incoming freshmen and sophomores. Participation in Concert Choir will provide students with foundational skills in vocal technique and musicianship, as well as opportunities to sing and perform music suitable to the students' age and skill level. Concert Choir students will participate in 3-4 concerts per year as well as the District Choir Festival or Solo and Ensemble. Singing in Concert Choir for one or two years will give students the opportunity to sing in the Chorale the following year.

Chorale

Grades 10-12

1 credit

Prerequisite: Instructor's Approval

Chorale is an advanced performing choir for sophomores, juniors, and seniors. Participation in Chorale is contingent upon a successful audition and at least one year of participation in Concert Choir or the approval of the instructor. Participation in the Chorale will give students more advanced instruction in singing and musicianship skills, more opportunity for small ensemble and solo singing, as well as additional group performance opportunities at concerts, in the community and at Choir Festivals. The Choir department provides a high school musical every other year.

OTHER FINE ARTS COURSES

Yearbook

Grades 9-12

1 credit

Prerequisite: Teacher Approval

Yearbook staff will plan the entire production of the yearbook including its design and financing. Staff members will need to learn basics of design and layout, copy writing, photography, and selling advertising. Typing, writing, and artistic skills are helpful for growth as collaborative workers as well as giving students the opportunity to fill positions of leadership.

LANGUAGE – ENGLISH

English 9

Grade 9

1 credit

Required

Students will study the conventions of the short story, novel, epic, and play by reading and discussing these genres. Students will refine professional writing skills by engaging in the writing process and organizing their ideas. Students will review their knowledge of grammar, mechanics, and usage and master a basic level of competence in each area.

American Literature

Grade 10

1 credit

Required

Students will learn to see authors and their works in the framework of their position in history; relate authors and philosophies to their works; and evaluate literature from a Christian perspective. This course includes in-depth studies of American writers. Extensive writing and analysis of the writer's craft is also included.

British Literature

Grade 11

1 credit

Required

The goal for British Literature is to continue to build a foundation of knowledge, skills, and strategies to apply to more complex ideas and tasks. (Learning to read difficult texts is a primary focus.) In British Literature, students will read and evaluate writers of Great Britain who continue to influence world thought. Connections between historical trends and artistic expression will be explored. Students will note similarities in human experience and express that understanding through: tests; essays; reflective, analytical and creative writing; teaching; and dramatic performances.

Senior Composition

Grade 12

½ credit

Prerequisite: None

Students will write with the purpose of preparing for the college writing experience. They will continue to practice writing as a process from prewriting through drafting, revising, editing, and proofreading states to a final product. They will occasionally publish their results. Students will engage in personal writing, expository report writing, analytical writing (comparison, classification, argument, position), and writing in response to literature. Students will write effective essay-question answers and expository and persuasive papers (using responsible research techniques). They will review, explore, and use elements of style, fair language, MLA documentation styles, grammar, mechanics, and punctuation. Appropriate writing models will be analyzed for each activity. They will use these tools in writing in other curricular content areas.

World Literature

Grade 12

½ credit

Prerequisite: None

The goal for World Literature is to continue to build a foundation of knowledge, skills, and strategies to apply to more complex ideas and tasks (learning to read difficult texts is a primary focus). In World Literature, students will read and evaluate writers from around the world who continue to influence world thought. Connections between historical trends and artistic expression will be explored. Students will note similarities in human experience and express that understanding through: tests; essays; reflective; analytical and creative writing; teaching; and dramatic performances.

AP English Literature

Grade 12

1 credit

AP application required

AP English is a one year course and is the equivalent of a college level English course. Students are expected to take the advanced placement examination in May. Based on his/her score and the college the student attends, credit or no credit may be given. AP English Literature and Composition Examination tests the student's ability to read selected poems, prose passages, and complete novels or plays. The literature taught each year varies in content.

Advanced Composition

Grade 12

½ credit

Prerequisite: Application and Teacher Approval

Advanced Composition is a course designed to prepare students for the rigorous level of writing required in college classes. The course will be an intensive preparation for essays and papers in college courses. Students will write expository, analytical, and persuasive essays, read various selections of nonfiction, learn advanced grammatical rules, and writing techniques, and write an argumentative research paper.

Communication and Culture

Grade 12

½ credit

Communication and Culture is a course which studies speech, consumerism, and views of femininity and masculinity in popular culture. The ultimate goal is to build the students' communication skills and to help them critique culture from an informed Christian worldview.

LANGUAGE – FOREIGN

Spanish I

Grades 9-12

1 credit

Prerequisite: None

In Spanish I, Students are taught in a manner which respects the natural means by which people learn their native language – moving from listening to speaking and then, later, to reading and finally writing. The Spanish I course at LCS is exclusively oral in nature during the first semester. Students do not perform written work until the second semester of study. Around 95% of the course is taught in Spanish. The students' multimedia lessons are found online at www.theulat.com, and computers are located in the classroom so that students can access those lessons both in school and at home. As a result of this course, students should be able to communicate fluently in Spanish within the limitations of the vocabulary and structures they have studied.

Spanish II

Grades 9-12

1 credit

Prerequisite: Spanish I

The Spanish II course at LCS continues to develop oral skills, but incorporates more written Spanish practice in the first semester than Spanish 1. Students are given an EPal to whom they will write throughout the course of the year. Most instruction takes place in the target language, with very little recourse made to English in the class. The students' multimedia lessons are found online at www.theulat.com, and computers are located in the classroom so that students can access those lessons both in school and at home. As a result of this course, students will be able to speak, write, and interpret spoken and written text fluently within the limitations of the vocabulary and structures they have studied.

Spanish III

Grades 9-12

1 credit

Prerequisite: Spanish II

The Spanish III course at LCS places heavy emphasis upon written Spanish, making use of a Spanish grammar workbook, thematic units, and the book *El principito* (The Little Prince). All instruction takes place in the target language, with no recourse made to English in the class. The students' multimedia lessons are found online at www.theulat.com, and computers are located in the classroom so that students can access those lessons both in school and at home. Reading is a focal point of this class as the students are required to read *El principito* (The Little Prince). Students will write essays in Spanish pertaining to themes that are found throughout the reading. As a result of this course, students will have studied every grammatical tense of the language and will be able to speak, write, and interpret spoken and written text fluently within the limitations of the vocabulary and structures they have studied

AP Spanish Language and Culture

Grades 9-12

1 credit

Prerequisite: Spanish III and AP application required

The AP Spanish course at LCS places heavy emphasis upon authentic Spanish-language literature and vocabulary acquisition while continuing to refine advanced grammatical concepts studied previously. 95% of instruction takes place in the target language, with little recourse made to English in the class. The students will use the AP curriculum provided by Vista Higher Learning (Temas). The textbook and activities are found online at www.vhlcentral.com. Throughout the year, the students will be creating a portfolio that contains information concerning the six main themes designated by the College Board's framework. As a result of this course, students will have studied every grammatical tense of the language and will be able to speak, write, and interpret spoken and written text fluently within the limitations of the vocabulary and structures they have studied.

MATH

Algebra IB

Grade 9

1 credit

Prerequisite: Completion of 8th grade math with a grade of below B- and teacher recommendation

Textbook: Big Ideas Math, Algebra I, Houghton Mifflin

Algebra explores the relationships of different families of functions by looking at equations, graphs, and real-life problems. The concept of function is emphasized throughout the course. Topics include: (1) operations with real numbers, (2) linear equations and inequalities, (3) exponential functions, (4) polynomials, (5) quadratic functions, and (6) radical functions and equations. A TI-84 Series graphing calculator is required.

Geometry

Grades 9-12

1 credit

Prerequisite: Completion of Algebra with satisfactory mastery. May take concurrently with Algebra II with teacher approval.

Textbook: Big Ideas Math, Geometry, Houghton Mifflin

Geometry includes the study of two and three-dimensional figures, coordinate geometry, reflections, transformations, and measurement formulas. Topics also include geometric proof, problems with geometric and algebraic representations, and geometric modeling. A TI-84 Series graphing calculator is required.

Algebra IIA

Grades 10-11

1 credit

Prerequisite: Completion of Geometry with a grade below B-.

Textbook: Big Ideas Math, Algebra 2, Houghton Mifflin

Algebra IIA is one year of a two-year course that focuses on the study of functions, including quadratic, polynomial, power, exponential, and logarithmic functions. Additional topics include solving equations and inequalities, linear systems, and quadratic equations and inequalities. This course is to be taken in the student's junior year or before, therefore still allowing time to complete with Algebra IIB. A TI-84 Series graphing calculator is required.

Algebra IIB

Grades: 11-12

1 Credit

Prerequisite: Algebra IIA

Textbook: Big Ideas Math, Algebra 2, Houghton Mifflin

Algebra IIB is the second year of a two-year course that focuses on the study of functions including quadratic polynomial, power, exponential, and logarithmic functions. Additional topics include sequence, series, and probability. This course is to be taken upon completion of Algebra IIA to receive the state required Algebra II Credit as well as credit for a mathematics class taken senior year. A TI-84 Series graphing calculator is required.

Algebra II

Grades 9-12

1 credit

Prerequisite: Completion of Geometry with a grade of B- or better. May take concurrently with Geometry with teacher approval

Textbook: Big Ideas Math, Algebra 2, Houghton Mifflin

Algebra II focuses on the study of functions, including quadratic, polynomial, power, exponential, and logarithmic functions. Additional topics include solving equations and inequalities, linear systems, sequences, series, and probability. A TI-84 Series graphing calculator is required.

Functions and Statistics

Grade 11 and 12

1 credit

Prerequisite: Algebra II

In Functions and Statistics, students will review and build on their early knowledge of functions developed in Algebra 2. They will take on an in-depth analysis of families of functions, including: linear, power, polynomial, exponential, logarithms, trigonometry, and sequences and series. Where Precalculus takes a more abstract approach to prepare for calculus, Functions and Statistics emphasizes the idea of functions as relationships between real-world quantities with an emphasis on modeling. Students will engage in problems and projects that explore those relationships. Functions and Statistics can be taken after Algebra 2 as an alternative to Precalculus. After completing Applied Functions and Statistics, students can move on to AP Statistics or Precalculus. **Students cannot take Functions and Statistics after earning credit in Precalculus.**

Precalculus

Grades 11-12

1 credit

Prerequisite: Completion of Algebra II with a grade of B or better

Textbook: Precalculus: Graphical, Numerical, Algebraic; Glencoe

Precalculus is a more intensive, abstract study of functions and other algebraic and geometric topics. Specific attention is paid to conceptual understanding and making connections between several different concepts. This course prepares students for Calculus or other college-level classes and reinforces understanding of the mathematics introduced in previous high school courses. A TI-84 Series graphing calculator is required.

AP Calculus AB

Grades 11-12

1 credit

Prerequisite: Completion of Precalculus with a grade of B or better. AP application required

Textbook: Calculus with Trigonometry and Analytic Geometry, Saxon Publishers, Inc.

AP Calculus covers the fundamentals of calculus using the accelerated Advanced Placement format. The concept of limit and its application to the derivative is developed. Other topics include the study of continuous functions, derivatives and their applications, the fundamental theorem of calculus, applications of the integral and methods of integration. A TI-84 Series graphing calculator is required.

Students are recommended to take the Advanced Placement Calculus AB Exam in May. A passing grade can result in the student receiving credit and advanced placement at the college he or she will subsequently attend.

AP Statistics

Grades 11-12

1 credit

Prerequisite: Completion of Precalculus with a grade of C or better or completion of Algebra II. AP application required

Textbook: Statistics: Informed Decisions Using Data, Prentice Hall

The purpose is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will be exposed to:

- Exploring data: describing patterns and departures from patterns
- Sampling and Experimentation: planning and conducting a study
- Anticipating Patterns: exploring random phenomena using probability and simulation
- Statistical Inference: estimating population parameters and testing hypotheses

The course will include the use of technology, projects and labs, group problem-solving, and writing. This allows students to build connections with other subjects and the world. A TI-84 Series graphing calculator is required.

PHYSICAL EDUCATION

Physical Education and Health

Grades 9-12

1 credit

Required

Prerequisite: None

The primary focus of Physical Education and Health will be on making healthy choices, personal fitness and nutrition, and individual & team sports. The goals of these classes are 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. We want to develop an understanding of personal health and wellness, emphasizing one's body as God's temple, and maintaining a lifestyle that includes care of both the body and soul. The health course includes units on nutrition, physical fitness, refraining from any type of substance abuse, social & emotional health, and having healthy and responsible relationships. Physical Education includes units on softball, soccer, touch football, badminton, floor hockey, basketball, volleyball, and personal fitness.

Body Mechanics

Grades 10-12

1 credit

Prerequisite: PE 9/Health

Body Mechanics is a full year course that will focus on the strength and conditioning of the muscles in the body. Three days a week will be dedicated to weight training and plyometric exercises. Two days a week will be dedicated to aerobic/cardiovascular workouts.

Students will be required to keep a detailed log of their weight training progress throughout the year. Students will be graded on their daily participation, behavior toward other students, and respect for the equipment they are using. They will also be required to hand their progress logs in periodically.

Team Sports

Grades 10-12

½ credit

Prerequisite: PE 9/Health

This semester-long physical education course focuses on developing the skills and strategies needed to participate in a number of team sports. Skill units will be focused largely around game play, with competition being a major component of the class.

Individual/Racquet Sports

Grades 10-12

½ credit

Prerequisite: PE 9/Health

This semester-long physical education course focuses on developing the skills needed to participate in a number of individual and racquet sports. Skill units will be focused largely around game play with competition being a major component of the class.

SCIENCE

Introduction to Chemistry

Grade 9

½ credit

Required

Prerequisite: None

In this semester-long course, students will learn about the inner workings of the world that God has created. We will study Chemistry as a Scientific Discipline, the Metric System, Properties of Matter, Atomic Structure, the Periodic Table of Elements, Bonding, Reactions, Solutions and Acid/Base Chemistry.

Introduction to Physics

Grade 9

½ credit

Required

Prerequisite: None

Through laboratory activities and group projects, students in this course will improve their appreciation for the wonders of God's Creation. The hands-on curriculum is intended to develop skills in both scientific reasoning and problem solving. Topics to be covered include direct and indirect measurement, motion and Newton's laws, electricity, waves, sound, and light.

Biology

Grade 10

1 credit

Required

Science Prerequisites: Introduction to Chemistry and Introduction to Physics

In this year-long course, students will learn about the living world that God has created. We will study Biology as a Scientific Discipline, Ecology, the Five Kingdoms, Human Anatomy and Physiology, the Cell, Human Reproductive Anatomy, Fetal Development, Genetics, DNA, Biotechnology and Evolution.

Chemistry

Grades 10-12

1 credit

Science Prerequisite: Biology (may be taken concurrently with teacher approval)

Math Prerequisite: Algebra I

This course begins with an in-depth study of chemical compounds and reactions, emphasizing nomenclature and stoichiometry. From there begins a survey of 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. This course is not available to students who have completed AP Chemistry.

AP Chemistry

Grades 11-12

1 credit

Math Prerequisite: Algebra II (waived with an A or A- in Geometry)

Science Prerequisite: Biology

AP application required

AP Chemistry focuses on studying the properties and behavior of matter that arise from its atomic nature, including chemical reactions. The course follows the curriculum outlined by the College Board, which closely matches a first-year college-level survey course. Students will also engage in science practices as described by the College Board and will develop these skills through inquiry labs and activities. The course emphasizes conceptual mastery in preparation for the Advanced Placement Exam in May. Students will be required to pay for and take this Exam. A passing score on the Exam may result in the student receiving credit and/or advanced placement in college.

Science, Technology, and Society

Grades 11-12

1 credit

Science Prerequisites: Introduction to Chemistry, Introduction to Physics, and Biology

This course explores a number of topics that involve applications of concepts that are typically learned in the traditional sequence of high school courses (Earth Science, Biology, Chemistry, and Physics). Through this process, students develop a deeper understanding of the role of human technology in God's creation.

AP Physics 1

Grades 11–12

1 credit

Prerequisites: Precalculus (waived with an A or A– in Algebra 2) and Biology.

AP application required

AP Physics 1 provides a systematic introduction to the principles of Newtonian mechanics, and emphasizes the development of problem-solving ability. The course follows a typical first-semester college curriculum in non-calculus-based physics, spread out over a one-year course. Topics to be covered include motion, forces, momentum, work, energy, orbital gravity, torque, rotations, oscillations, and waves. Students will have the option to pay for and take the Advanced Placement Exam in May. A passing score on this Exam may result in the student receiving credit and/or advanced placement in college.

AP Physics 2

Grade 12

1 credit

Prerequisites: AP Physics 1. AP application required

AP Physics 2 provides a systematic introduction to some advanced topics in physics, with an emphasis on electricity and magnetism. The course follows a typical second-semester college curriculum in non-calculus-based physics, but includes some material that might be missed in such a course. Subject matter to be covered includes fluids, thermodynamics, circuits, electromagnetism, radiation, optics, quantum mechanics, and relativity. Students will be expected to pay for and take the Advanced Placement Exam in May. A passing score on this Exam may result in the student receiving credit and/or advanced placement in college.

AP Biology

Grade 12

1 credit

Prerequisite: Biology and Chemistry. AP application required

The AP biology is a college-level course that allows for students to do an in depth study of God's creation. We will focus on the four Big Ideas set forth by the College Board in the AP Biology curriculum which include evolution, energy dynamics, information transfer and interactions from the molecular to the ecological levels. Students will also engage in science practices as described by the College Board and will develop these skills through inquiry labs and activities. Students who complete this course are expected to take the Advanced Placement exam. A passing score on this Exam may result in the student receiving credit and/or advanced placement in college.

SOCIAL STUDIES

World History

Grades 9-12

1 credit

Prerequisite: None

World History is a one year course that begins with the origins of civilization and concludes with the beginning of the 20th century. The first semester will focus on the civilizations of the Ancient World, including the great civilizations mentioned in the Bible as well as India and China. The first semester emphasizes the noteworthy achievements of the major world civilizations of the ancient world. The second semester covers World History since the fall of Rome. The second semester emphasizes the great personalities, ideas, wars and trends of the past 700 years. The course will enable students to have a broad understanding of all the major world civilizations, with an emphasis on the history and development of western civilization.

Current Events

Grades 9-12

1 credit

Prerequisite: None

In Current Events students will investigate the ever changing events of the modern world. The course will consist of units on the regions of the world. Each unit will focus on the geography, recent history, and culture of the regions and their relevance to current events. In the course we will follow national and global current events through watching, reading, and discussing news stories from television, newspapers, and news magazines. This course is designed to increase a student's knowledge of the world as it exists today and to focus on content that will enhance a student's understanding of World History, Government, Economics, and US History.

World War II

Grades 10-12

½ Credit

Prerequisite: World History or Current Events

This elective is a semester-long course that is aimed at looking extensively at the Second World War. 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. Additionally, students will be prompted to draw conclusions from the recent history to make direct applications to modern times.

Modern Middle East

Grades 10-12

½ Credit

Prerequisite: World History or Current Events

This semester-long course will look extensively at the current political climate in the Middle East. Students will be challenged and encouraged to think independently about the causes of conflict in the region, consequences of that conflict, and peace in the region. Students will be prompted to think about how their own culture relates to that of the Middle East and what role Christian faith plays in the peace process.

Psychology

Grades 10-12

1 credit

Prerequisites: none

Psychology is designed to introduce students to basic principles of human development and the complexities of the human mind. Students will explore the major core principles and theories of psychology, as well as the individuals who contributed to their development. Students will gain an academic comprehension and appreciation for the human mind, while analyzing the field of psychology from a biblical perspective.

U.S. History

Grade 11

1 credit

Required

American History is a one year course which begins with a three week broad overview unit on early American history until 1850. The remaining units of the course cover the Civil War era through the present era. The course will emphasize the great personalities, ideas, wars, and trends in the development of the United States. Content of this course will give students a historical perspective on the United States, including how it originated and how it developed. This course will also enable a student to understand and interpret current events.

AP United States History

Grades 11-12

1 credit

AP 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.

Economics

Grade 12

½ credit

Required

Senior economics is a basic introduction to free market economics. Macro-economics is studied, with specific units on the relationship between economics and politics; distribution of income; marketing systems; supply, demand, and prices; theory, structure, and organization of business in the U.S. Comparisons are made between the economic systems of communism, socialism, and capitalism. Intensive integration of Biblical economic principles is taught.

Government

Grade 12

½ credit

Required

The study of American Government will inform the student of how the United States Government functions. The course will stress the institutions of American Government (Congress, the courts, the presidency, the executive bureaucracy). We will also focus on unique aspects of American Government including the systems of separation of powers, checks and balances, and federalism. Special emphasis will also be given to the Bill of Rights and American Civil liberties.

OTHER COURSES OR **ACTIVITIES AVAILABLE**

Aide—Media Center

½ to 1 credit

10-12 grades

Media Center’s Approval

Students should be responsible, motivated and willing to listen to instruction and follow through on those instructions. Each student will need to complete a training plan with the supervising librarian previous to enrollment as a library aide. Each aide will be evaluated on their progress each nine weeks. Duties involve: checking books in and out, helping with overdue list, updating computer records, shelving books.

Aide—Office

½ to 1 credit

10-12 grades

Administrative Approval

Students should be responsible and self-motivated, willing to listen to and follow instructions. Specific training will be provided. Students will have weekly meetings with the supervisor to discuss their progress. All skills taught will lead to competence for working in an office environment. Duties involve: typing, filing, copying, answering the telephone, preparing mailings, other miscellaneous duties.

Aide—Teacher

½ to 1 credit

10-12 grades

Teacher Approval

A teacher aide should be a responsible, mature student. The student will be expected to type, file, and complete assignments given by the teacher. Each student will need to complete a training plan with the supervising teacher prior to enrollment as a teacher aide. Each aide will be evaluated on their progress each nine weeks.

Academic Support Center

Available to students in 9th-12th grades

Prerequisite: Teacher Approval

The Academic Support Center (ASC) seeks to complement and extend the classroom experience for students with academic challenges. Students who are recommended to be in the ASC program will go through the Qualification Process, described in the ASC Handbook. The students also need to sign up for a study hall each day, so they are available to meet with the ASC Coordinator as needed. The qualification of those already in the ASC program will be determined at the annual review of their 504 or Student Action Plan. See the HS ASC Coordinator with any questions.

Independent Study

Available to students in 10-12th grades

Prerequisite: Principal/Teacher Approval

Independent Study is a program reserved for students doing advanced work in a subject in which they have already built a firm foundation. Freshmen are not eligible for Independent Study.

Application for independent study for either semester must be completed prior to registration. Application forms are available in the office.

In addition to completion of the application form, the student must obtain a program of study outline that will state the specific goals and objectives for the study program. These goals and objectives will be determined by the teacher and student. The program of study outline must be completed prior to scheduling. All independent study work must be completed daily during a specific period in the assigned teacher's classroom.

Both the application form and the program of study form must be discussed with the Principal prior to the registration period. Final approval for independent study rests with the Principal.

Permission will be granted for independent study after the semester registration only by approval of the Principal. Independent study will NOT be offered as a substitute for scheduled courses being offered as part of the school curriculum except in those instances where scheduling conflicts arise.

ACADEMIC PROCEDURES

Online Courses and External Credit

- Online courses may be considered with parental and principal approval.
- A student must receive prior approval from the principal in order for the external credit to count toward graduation requirements.
- A total of four credits may be earned externally toward the high school diploma.

Drop/Add Policy

Students are expected to be in their scheduled classes for the entire year. Exceptions must be made through the high school office with the principal or Dean of Students. If students are granted a drop or add request, they must have a drop/add form signed by their parent, the teachers involved, the principal the Dean of Students, and the Academic Dean. All course changes must be completed within the first two weeks of each semester.

Graduation Requirements/Waiver Procedures

During grades 9-12, students must accumulate 24 credits in order to graduate from Lansing Christian High School. Course credit is given as follows: A course that meets daily for two semesters is given one credit; a course that meets daily for one semester is given one-half credit.

Adjustments of requirements may be made for students with special needs:

- One Bible credit is required for each year of attendance at Lansing Christian School. Therefore, transfer students will only be required to have Bible credits for the number of years of LCHS attendance.
- A four-year plan is drawn up with the school staff in 9th grade orientation or the time of student scheduling.
- To graduate as valedictorian or salutatorian of the class, a student must have attended at least the final four semesters at Lansing Christian High School.
- The final semester is not used in determining the graduation ranking.

Waiver Procedures

Under some circumstances, a very few students will be unable to fulfill all the graduation requirements. Therefore, a waiver may be considered. This must be taken care of prior to the second semester of the senior year. All waivers must be approved by the principal.

Repeating Courses

A student, with the principal's permission, may repeat a course in which the student received a "C" grade or lower. Students scoring below a "C" grade may retake the course once for a higher grade, but can only receive credit for it once. The transcript will reflect only the higher grade. Any student may choose to repeat an elective course with principal permission.