

2010-2011

Guide to Curriculum

for

Parents and Students

Lansing Christian Mission Statement

Recognizing God as the source of all truth, wisdom and knowledge, Lansing Christian School partners with 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.

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

Lansing Christian School Outcomes

A Lansing Christian Student Will Be:

Spiritual

- Consistently apply a Biblical world and life view
- Grow in knowledge and obedience to scripture
- Know Jesus Christ as personal Savior and Lord

Knowledgeable:

- Acquire, integrate and use critical information
- Master the skills necessary for academic success

Self Disciplined:

- Use Christian values to establish priorities
- Set goals to achieve highest potential
- Monitor and evaluate progress
- Assume responsibility for learning, attitudes and actions
- Demonstrate respect for authority and peers

A Collaborative Contributor:

- Participate effectively in group settings

A Complex Thinker:

- Identify, access, integrate and use multiple resources
- Make decisions and solve complex problems by thinking critically and creatively

An Involved Citizen:

- Contribute time, energy, resources and talents toward improving the quality of life in a local community and the world

A Quality Producer and Performer:

- Create products which reflect originality and high standards

An Effective Communicator:

- Read, write, listen, speak, view and present effectively

A Physically-Fit Individual:

- Present ones body as holy, healthy temples with which to serve the living God

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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*
Electives	3	0
English	4	4
Fine & Performing Arts	2	2
Foreign Language	0	3
History & Social Science	3	3
Mathematics	4**	4**
Physical Education and Health	1	1
Science	3	3
Computer Applications	1	1
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 English 9 Intro to Chemistry and Physics Physical Education/ Health	Bible 10 Biology American Literature	Bible 11 British Literature U.S. History (or AP)	Bible 12 Economics/Government

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.

G R A D E S

Grades will be 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/Only given for quarters
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
W	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:

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

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

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

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 a course request form.
4. If a student signs up for Independent Study, appropriate forms must be completed.
5. 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.
6. Forms need to be submitted to the office by the announced deadline.
7. The student's year schedule will be given to students before school is dismissed for the year.

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 **“Practical Theology and Church History”**: **Understanding, Defending, and Witnessing of the Faith**. Selections from the Book of Romans will provide a basis for the study of Biblical doctrines, and selections from 1 Corinthians will provide a basis for a look at the Church as the body of Christ. Apologetics will be studied with the goal of helping students understand not only what they believe, but why they believe it. Students will review, learn, and apply material on personal maturity, relationships, and sexual abstinence before marriage. 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 she has understood her nature and role in society.

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 Genesis 1-3 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 book of Amos and the study of Christian ethics emphasize the Christian responsibility for social justice. The Christian family, its Biblical basis, and various attacks on it will be studied through research, discussion, and simulation exercises. Contemporary issues of concern, various Christian ministries, vocations, and ways of impacting our culture will be explored through research, discussion, and a culminating project.

COMPUTERS

Computer Applications
Grade 9 recommended
½ credit
Prerequisite: none

This class stresses writing, formatting, and proofreading various documents in preparation for the student’s entry into college and workplace situations. Speed, accuracy, and the use of proper keyboard technique are stressed—particularly the use of injury-free techniques so as to prevent future repetitive-stress injuries.

Word processing and formatting techniques are learned, primarily using MS Office 2007 software, but with emphasis on the transferability of knowledge to other commonly used programs, such as Excel, Power Point, and Word. Operations and the use of spreadsheets, data bases, and integrated software is learned.

Speed and accuracy skill building is integrated with formatting applications. Proofreading is HEAVILY emphasized, with three over-arching goals being stressed in the class:

1. Students will leave this WP/Computer Applications class being able to make a computer do anything they need it to do.
2. Students will have knowledge of industry-standard formatting for commonly used documents to prepare for college and work.
3. Students will be able to produce error-free copy in diverse formats.
4. Student will be able to organize their files for easy retrieval, storage, etc.

Advanced Computers

Grades 9-12

1 credit

Prerequisite: Computer Applications

This course will cover four areas of computer knowledge. The first will be web design using HTML. The second will be working with PhotoShop to manipulate digital photos, create graphics, etc. The third will be working with the desktop publishing program InDesign, which the school uses to create the yearbook, but which can also be used to create any kind of publication from something as simple as a flyer to as complicated as a book. The final area we will cover is computer networking.

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

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

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

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

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.

Art History:

½ credit

This course is designed to give students an overview of art history from prehistoric art to modern art. Students will view art, discuss the context in which it was created, and discuss their thoughts. Students will have a few studio art projects. At the end of the semester students will visit either Frederick Meijer Gardens or the Detroit Museum of Art.

Advanced Art:

(Must take Intro to Art and at least 3 other classes/must also be a junior or senior)

½ credit

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.

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 and solo literature. Performance opportunities include school concerts, chapels, churches, community, and District and State Festivals. Discussion of the spiritual characteristics of music is also included.

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. 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.

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 see writing as a process and they will learn to incorporate that into their writing. They will study the conventions of the short story, novel, and play by reading and discussing these genres. 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

The goal for English 10 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 English 10, 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.

British Literature

Grade 11

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; 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.

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 college entrance essays, effective essay-question answers, expository and persuasive papers (using responsible research techniques). They will review, explore, and use elements of style, fair language, MLA and APA 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. Students may also take sample AP/college writing tests

World Literature

Grade 12

½ credit

Prerequisite: None

The goal for English 12 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 English 12, 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. (NOTE: The content of this class will change by the 2010-2011 school year.)

AP English Literature

Grade 12

1 credit

Teacher Recommendation

AP English is a one year course and is the equivalent of a college level English course. Students are not required 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.

AP English—Examination Overview: The AP English Literature and Composition Examination tests the student's ability to read selected poems and prose passages analytically and to write critical or analytical essays based on poems, prose passages, and complete novels or plays. The literature taught each year varies in content.

Advanced Composition

Grade 12

½ credit

Prerequisite: Teacher recommended

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

As is the case with all World Languages courses at LCS, 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, much later, to reading and finally writing. The Spanish I course at LCS is exclusively oral in nature. Students are not exposed to the written word until several weeks into their second year of language study. 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. Students also view and discuss the 52-episode "telenovela" called *Destinos* throughout the year. As a result of this course, students should be able to speak extemporaneously in Spanish at a rate of 10 to 12 complete sentences per minute 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 introduces written Spanish several weeks into the first semester. Students review all of the oral curriculum from Spanish I, however this time in written fashion. 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. Students also view and discuss classic films throughout the course of the year. As a result of this course, students should be able to speak extemporaneously in Spanish at a rate of a minimum of 12 complete sentences per minute 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 and elementary Spanish-language literature. 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. As a result of this course, students should be able to speak extemporaneously in Spanish at a rate of a minimum of 12 complete sentences per minute and accurately write at a rate of 250 words per hour within the limitations of the vocabulary and structures they have studied.

AP Spanish

Grades 9-12

1 credit

Prerequisite: Spanish III

The Spanish II course at LCS places heavy emphasis upon Spanish-language literature and vocabulary acquisition while continuing to refine advanced grammatical concepts through the use of a grammar workbook. 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. As a result of this course, students should be able to speak extemporaneously in Spanish at a rate of a minimum of 15 complete sentences per minute and accurately write at a rate of 400 words per hour within the limitations of the vocabulary and structures they have studied. In preparation for the AP exam, students do extensive listening comprehension activities using recordings of native speakers and take practice AP exams in class.

French I

Grades 9-12

1 credit

Prerequisite: None

As is the case with all World Languages courses at LCS, 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, much later, to reading and finally writing. The French I course at LCS is exclusively oral in nature. Students are not exposed to the written word until several weeks into their second year of language study. 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. Students also view and discuss the 52-episode “telenovela” called *Destinos* throughout the year. As a result of this course, students should be able to speak extemporaneously in French at a rate of 10 to 12 complete sentences per minute within the limitations of the vocabulary and structures they have studied.

French II

Grades 9-12

1 credit

Prerequisite: French I

The French II course at LCS continues to develop oral skills, but introduces written French several weeks into the first semester. Students review all of the oral curriculum from French I, however this time in written fashion. 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. Students also view and discuss classic films throughout the course of the year. As a result of this course, students should be able to speak extemporaneously

in French at a rate of a minimum of 12 complete sentences per minute within the limitations of the vocabulary and structures they have studied.

French III

Grades 9-12

1 credit

Prerequisite: French II

The French III course at LCS places heavy emphasis upon written French, making use of a French grammar workbook and elementary French-language literature. 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. As a result of this course, students should be able to speak extemporaneously in French at a rate of a minimum of 12 complete sentences per minute and accurately write at a rate of 250 words per hour within the limitations of the vocabulary and structures they have studied.

AP French

Grades 9-12

1 credit

Prerequisite: French III

The French II course at LCS places heavy emphasis upon French-language literature and vocabulary acquisition while continuing to refine advanced grammatical concepts through the use of a grammar workbook. 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. As a result of this course, students should be able to speak extemporaneously in French at a rate of a minimum of 15 complete sentences per minute and accurately write at a rate of 400 words per hour within the limitations of the vocabulary and structures they have studied. In preparation for the AP exam, students do extensive listening comprehension activities using recordings of native speakers and take practice AP exams in class.

MATH

Algebra IB

Grade 9

1 credit

Prerequisite: Completion of 8th grade math with a grade of B or better and/or teacher recommendation

Textbook: Algebra I, McDougal Littell

Algebra explores the relationship between equations and graphs in the modeling and solving of real-life problems. Additional topics include the study of slope of linear equations to make predictions, systems of linear equations, exponential and quadratic equations. Graphing is emphasized throughout the course. A TI-83 or TI-84 Series graphing calculator is required.

Algebra I

Grades 9 and 10

1 credit

For students who have not completed Prealgebra (8th grade math) at LCS.

Textbook: Algebra I, McDougal Littell

Algebra explores the relationship between equations and graphs in the modeling and solving of real-life problems. Additional topics include the study of slope of linear equations to make predictions, systems of linear equations, exponential and quadratic equations. Graphing is emphasized throughout the course. A TI-83 or TI-84 Series graphing calculator is required.

Algebra IIA

Grades 9-11

1 credit

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

Textbook: Algebra 2, McDougal Littell

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, sequences, series, and probability. This course is to be taken in the student's junior year or before. Then there is still time available to complete with Algebra IIB. A TI-83 or TI-84 Series graphing calculator is required.

Geometry

Grades 9-12

1 credit

Prerequisite: Completion of Algebra with satisfactory mastery

Textbook: Geometry, McDougal Littell

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. Fourth quarter will include a review of Algebra I and an introduction to Algebra II topics. A TI-83 or TI-84 Series graphing calculator is required.

Algebra II

Grades 9-12

1 credit

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

Textbook: Algebra 2, McDougal Littell

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.

Applied Functions

Grade 11 and 12

1 credit

Prerequisite: Algebra II

This class is designed for students who have completed Algebra 2. The first half of the course will review the properties of functions including power, rational, exponential, logarithmic, and trigonometric functions. The second half will integrate these functions with prior algebra and geometry knowledge and apply them to real-life situations. Students will complete several projects on investments and loans, using functions to model data, budgeting, paying taxes, and more. This is a capstone course for the senior LCS mathematics student not taking Precalculus.

Precalculus

Grades 11-12

1 credit

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

Textbook: Precalculus: Graphical, Numerical, Algebraic; Pearson/Addison Wesley

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

Grades 11-12

1 credit

Prerequisite: Completion of Precalculus with a grade of B or better

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-83 or 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

Course Description

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 student to build connections with other subjects and the world.

PHYSICAL EDUCATION

Physical Education and Health

Grades 9-12

1 credit

Required

Prerequisite: None

The primary focus of the class will be on personal fitness, individual, and team sports. The goals of the class are to provide students with the knowledge and experience necessary to improve their physical fitness and to expose students to activities that will be of benefit to them in their adult lives. We want to develop an understanding of personal physical fitness, emphasizing one's body as God's temple, and maintaining a lifestyle that includes care of the body, its fitness, and safety.

The course would include units in health such as nutrition, violence prevention, keeping a healthy body by refraining from any type of substance abuse or unhealthy practices. P.E. units would include such things as softball, soccer, touch football, badminton, floor hockey, basketball, and fitness.

Body Mechanics

Grades 10-12

1 credit

Prerequisite: PE 9/Health

Body Mechanics will be 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: Basic P.E.

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

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 in this semester-long course. 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

Prerequisite: None

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.

Science, Technology, and Society

Grades 11-12

1 credit

Prerequisite: None

How are water, limestone, ferns, clouds, wild boars, and electricity connected?
How do forensics and discovering medicinal drugs connect with ferns and wild boars?
Applied Science explores how God's order and completeness are interwoven in His creation. Using books, investigating a variety of labs, outdoor experiences, and projects, students will receive introduction and reinforcement in all science areas.

Chemistry

Grades 11-12

1 credit

Prerequisite: Intro to Chemistry and Algebra 2 (or Algebra 1 with a grade of A)

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.

Physics

Grade 12

1 credit

Prerequisites: Chemistry and Algebra II

As the fundamental study of "how stuff works," physics provides powerful insight into the structure and function of God's Creation. This survey-type course provides opportunities for honing problem-solving skills in both experimental and theoretical settings. A variety of topics will be covered, including the nature of science, Newton's laws, energy, rotation, gravitation, fluids, sound, optics, color, and thermodynamics.

AP Physics

Grade 12

1 credit

Prerequisites: Chemistry and Precalculus (or Algebra 2 with a grade of A)

AP Physics provides a systematic introduction to the main principles of physics and emphasizes the development of problem-solving ability. The course follows a typical first-year college curriculum in non-calculus-based physics. Topics to be covered include Newtonian mechanics, fluid mechanics and thermal physics, electricity and magnetism, waves and optics, and atomic and nuclear physics.

Students will be required to pay for and take the Advanced Placement Exam (Physics B) in May. A passing score on this Exam may result in the student receiving credit and/or advanced placement in college.

AP Biology

Grade 11-12

1 credit

Admittance by Application

Prerequisite: Biology and Chemistry

This full year course provides an in-depth study in selected areas of biology including ecology, biochemistry, cellular and molecular biology, genetics, botany, life origins and anatomy and physiology. Methods of study include lecture and labs (both prepared and student-designed) along with reading of the text. Lab activities will allow students to apply information presented in lecture as well as to learn some of the basic techniques introduced in the college biology lab. 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 War II

Grades 10-12

½ Credit

Prerequisite: World History or Global Studies

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 Global Studies

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.

World History

Grades 9-12

1 credit

Prerequisite: None

This course is designed to be a survey of World History from the creation of the world through the modern era. A focus will fall upon events occurring after the decline of the Roman Empire. Students will learn from a variety of classroom methods including: discussion, projects, report writing, lectures, and multimedia tools.

Global Studies

Grades 9-12

1 credit

Prerequisite: None

This year-long social studies course is designed to familiarize students with the geography, history, and culture of the nations around the world. Particular emphasis will be placed on current events and the origins of these events in world history. By combining these elements, the goal of this class is to provide young people with a better understanding of the world today both geographically and with respect to the challenges faced in different regions.

U.S. History

Grade 11

1 credit

Required

A survey of American History from the discovery of America through World War II, including major events such as the American Revolution, the Civil War, etc. Class activity involves lecture and discussion and requires taking notes. Homework is a series of projects relating to the current subject. Students take a trip to Gettysburg as part of the class.

AP United States History

Grades 11-12

1 credit

Teacher Recommended (Fulfills U.S. History Requirement)

This course is a survey of American History from the pre-civil War 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, a semester class, is a basic introduction to free market economics. Macroeconomics 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

This course is a semester long study of the American Government system (the other semester will be Senior Economics). It includes the background of the American system, governments of the world, the formation of the Constitution, federalism, and the three branches of government. One day per week, current events will be discussed, so a subscription to a news magazine is required and students must pay the subscription cost (the magazine will also be used in Economics). A variety of learning activities will be used including: magazine article summaries, class discussion, notetaking, map making, report research/writing, and the creation of drawings or charts to represent information.

Psychology-SSPYCH

Grades 11-12

1 credit

Prerequisite: None

This course is designed to introduce students to the field of psychology from a Christian perspective. This course attempts to help students understand themselves and others, relationships, prevailing theories related to psychology, and varying world views. The main topics of study include human development, consciousness, learning and intelligence, memory, motivation, personality, psychological disorders, social psychology, and diversity in communities. The course will feature a variety of “hands on” learning activities including: classroom discussion, surveys, experiments, special speakers, and group and individual projects.

OTHER COURSES OR ACTIVITIES AVAILABLE

Advanced Placement

Lansing Christian School participates in Advanced Placement testing. Those interested in Advanced Placement should contact the office or the specific department at the beginning of the school year in which they wish to get AP credit. Individual programs may be set up with department approval.

Aide—Library

½ to 1 credit

10-12 grades

Librarian’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.

Cooperative Education

(Pick up Application in High School Office)

1 semester or 1 year course

½ to 2 credits

Grade 12

Prerequisite: Completion of Training Agreement and Principal Approval

In this course students will be offered an educational experience in which the student receives training and instruction on the job. A planned and supervised agreement between the student, parents, employer, and school must be completed.

Performance Objectives:

- **The student will practice skills that have been developed in school.
- **The student will make a transition from school to work in a supervised setting.
- **The student will engage in productive work under conditions of regular employment.
- **The student will understand the importance of being able to follow directions and accept supervision and guidance.
- **The student will have regular attendance in school and on the job.

The student's grade will be based on evaluations by the employer and the coordinator, turning in weekly time sheets, and attendance in school. Attendance at the work place is of vital importance, as is attendance at school. If school is missed in the morning, students may not attend cooperative work in the afternoon, except with prior approval of the Principal. Failure to comply with these guidelines will endanger the receipt of credit for cooperative education.

Students who voluntarily quit their employment during the school year will receive no credit for that semester. Students who are fired are likely to receive no credit. Students may not change employers without written prior approval from the Principal. If changes are made without prior written approval, no credit will be granted.

Academic Support Center

Available to students in 9th-12th grades

1 credit

Prerequisite: Department Approval

The Academic Support Center provides academic support for students with special learning needs. Parents must meet with the HS ASC Coordinator before admittance unless the student is already receiving ASC support.

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

Correspondence Courses and External Credit

- Correspondence courses are generally discouraged; however, where the school and parents feel that this study is appropriate and useful to the student concerned, it will be considered.
- 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 assistant principal. 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 and the assistant principal.

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 faculty permission.

APPENDIX

TEST OUT PROCEDURES FOR HIGH SCHOOL BASIC COMPUTER REQUIREMENT

1. Students will either test out of the high school Computer I requirement at the end of their 8th grade computer class or be required to take the Computer I class. Upperclassmen and new students see #4.
2. In order to test out students must do the following:
 - a. Using the EV Pro test, take the basic level test on Excel, PowerPoint, Windows XP and Word. They must score an average of 75% across the 4 tests and achieve no lower than 60% on any test.
 - b. Submit an electronic and/or printed “portfolio” demonstrating their proficiency in each of the three basic programs: Excel, PowerPoint, and Word. (An evaluation rubric will be provided upon request.) This “portfolio” may be an integrated assignment from one of their classes.
 - c. Complete the written test provided by the ISD with a score of 75% or greater.
 - d. Complete the above requirements before beginning a Computer I class. No student may test out once they have begun the year in a Computer I class.
3. Students who have successfully tested out will receive a notation in their CA60 stating that they have satisfied the technology graduation requirement: however, they will not receive credit for the class.
4. Lansing Christian students beginning high school before 2008 or new students entering Lansing Christian High School who did not have the chance to test out at the end of 8th grade must complete requirements stated in #2 by scheduling a time with the high school computer teacher prior to beginning a Computer I class.
5. Additional attempts:
 - a. At any/all part(s) of the requirements are limited to two.
 - b. Must be scheduled with the high school computer teacher.
 - c. May not be made within the same calendar year as any other attempt.
6. Exceptions to these procedures require administrative approval.

Mathematics Teacher
Recommendation Waiver

_____, a student at Lansing Christian School, has been continuously observed and frequently assessed for the previous academic year by _____, his/her teacher at Lansing Christian School, and recommended to take _____ for the _____ school year.

After considering this recommendation, the undersigned parent and student have decided to register for _____.

In choosing not to follow the recommendation of the Lansing Christian faculty, the undersigned parent and student agree to:

- take responsibility for completing all prerequisite content.
- participate in open communication with the student's teacher about the student's progress during the first month of school.
- expect a significant increase in homework time required.
- hire outside tutoring if required.
- seek outside social/emotional/psychological support if necessary.

LCS Student

Date

LCS Parent

Date

2010-2011

*Guide to
Curriculum
for
Parents and
Students*