

LIBERTAS CHRISTIAN SCHOOL

Middle and High School
Course Descriptions



5181 - 64th Avenue
Hudsonville, Michigan
616-669-2270

www.LibertasChristianSchool.org

ART

Art, 7th, 8th Grade (Teacher: Valerie Dewey)

A combination lecture and studio course designed to aid students in understanding what art is and how great art glorifies our Creator. Students will learn to evaluate art from a Christian perspective using “the worldview questions”. This course will explain and reaffirm the elements of art and principles of design students have learned. Students will be required to keep work organized by date in a portfolio, and also keep their sketchbooks up to date. Students will be graded on participation, effort, and time spent on sketchbooks. Instructor will administer periodic tests over art terms and famous artists studied during the quarter. There is no prerequisite for this course; however, students must complete one sketchbook drawing per week outside of class.

Art I, Part 1, 9-12th Grade, (Art survey from a Christian World View) (Teacher: Valerie Dewey)

A combination lecture and studio course designed to provide students with ample opportunities for creativity. This class will learn to evaluate art from a Christian perspective using “the worldview questions”. The lecture portion will include discussions on art history and technique instruction for studio practice. Students will be required to keep work organized by date in a portfolio, and also keep their sketchbooks up to date. Instructor will administer tests at the end of each unit and assist in evaluating student artwork. The studio section provides opportunities to explore and develop artistic skill using the elements of art and principles of design in a Christ centered environment. There is no prerequisite for this course; however, students must complete one sketchbook drawing per week outside of class in addition to various mixed media projects including but not limited to pencil, marker, pastel (oil and chalk), and watercolor in class. The main focus of part one is drawing. Drawing is the root of art from which all other projects grow.

Art I, Part 2, 9-12th Grade, (Art survey from a Christian World View) (Teacher: Valerie Dewey)

A combination lecture and studio course designed to aid students in understanding what art is and how great art glorifies our Creator. Students will learn to evaluate art from a Christian perspective using “the worldview questions”. This course will explain and reaffirm the elements of art and principles of design students have learned. Students will be required to keep work organized by date in a portfolio, and also keep their sketchbooks up to date. Students will be graded on participation, effort, and time spent on sketchbooks. Instructor will administer periodic tests over art terms and famous artists studied during the quarter. There is no prerequisite for this course; however, students must complete one sketchbook drawing per week outside of class.

Drama, 7-12th Grade, 1 Semester (Teacher: Ruthie Brand)

There’s no better way to learn about Drama other than to be immersed in a theatrical production. This class provides students with hands on experience working on a show. Students will learn basic acting skills and techniques as well as design and production elements for a Libertas production.

Speech, 7-12th Grade, 1 Semester (Teacher: Ruthie Brand)

This class equips the novice speaker with communication tools to effectively present information to an audience. Basic oral communication skills are covered with opportunities for students to deliver different types of oral presentations. In addition to public speaking, students will participate in rhetorical analysis of famous speeches.

Yearbook, 9th-12th Grade (Teacher: Natalie Breeden)

This course is designed to enable students to understand the basic elements of layout design, journalism, and photography in order to create a keepsake for the school community. Students will learn the different roles that go into making a yearbook and the various components of yearbook production. As part of the staff, students will participate as photographers, copy editors, and/or designers. Students will also develop business skills through the collection of advertisements as well as the marketing of their finished product. In addition to having a specific position on the staff, each student will become efficient using Adobe InDesign and Photoshop programs. The students will be introduced to terminology, journalism skills, and design components associated with yearbook

production. They will engage in brainstorming ideas, gathering information, designing polished pages, and ultimately presenting a finished product to the school community.

BIBLE

Bible, 7th, 8th Grade (Teacher: Suzie Wagner)

We will be using a curriculum written by Precept Ministries - focusing on inductive Bible study. The inductive approach means a careful observation of the text, interpretation, and application. Students will be actively reading their Bibles in this class!

Bible, 9th, 10th Grade, (Old Testament Studies/Hebrew) (Teacher: Matthew Williams)

This class has two main focus areas: (1) Bible study of the Minor Prophets and (2) introduction to Hebrew. Students will engage in personal study time and group discussion as we seek to understand how God reveals Himself through these short and timeless writings, and how we should respond today. This class also serves as the essential first step in the process of studying the Old Testament in its original Hebrew form. Students will learn and recognize common Hebrew vocabulary and grammatical forms necessary for translating select biblical texts. Students will translate portions of Genesis and Jonah.

Bible, 9th, 10th Grade, (New Testament Studies/Greek) (Teacher: Matthew Williams)

This class serves as the first step in the process of studying the New Testament in its original Greek form. To that end, it is the aim that each student will learn and recognize frequent Greek vocabulary and grammatical forms necessary for translating select New Testament texts. As we seek to understand what God's Word says about God, our prayer is to respond in God-honoring ways - as individuals and as a community

Apologetics I, 11th Grade (Teacher: Bob Davis)

Junior Apologetics begins with a unit entitled "Principles of Philosophy and Logic." This unit lays the foundation for our study of Apologetics in general. Unit two addresses three vital topics: The Existence of God, the validity and authority of the Bible, and the historicity of the Person of Christ and the Resurrection. Subsequent units examine the six basic competing world views prevalent within Western culture today. These are the Marxist/Leninist, New Age, Secular Humanist, Postmodernism, Islamic and Biblical Christian world views. This course evaluates these ideas because they lie at the root of many of the world's religions, governments, and cultures. The course will go a step further and consider that these world views form a basis for the problems in our society today and determine how, as Christians, we ought to respond. Our country has been successful, in the past, because of cooperation with godly, Biblical principles. We will see how, as a culture and a nation, we have abandoned these principles and how this abandonment creates an urgent need for this generation to rise up and know the Truth, speak the Truth and live the Truth.

Apologetics II, 12th Grade (Teacher: Bob Davis)

Senior Apologetics is designed to continue the in-depth analysis of the six basic world views which began in the Junior year Apologetics class. These worldviews are both prevalent in and/or competing with Western Christian culture today. The Marxist/Leninist, New Age, Secular Humanist, Postmodernism, Islam and the Biblical Christian World Views are all examined. Much emphasis is placed on informal debate on topics related to or flowing out of these worldviews. Further, challenges to Christian truth claims are discussed and debated, such as the Problem of Evil, Alternative or aberrant lifestyles, the Abortion controversy, Intelligent Design, Neo-Atheism, Radical Environmentalism, and the Modern Welfare State. Students will finish the course being well versed and able to discourse intelligently and effectively on the Christian response to these topics.

BUSINESS

Intro to Engineering, 11th-12th Grade (Teacher: Matthew Williams)

Recent surveys show high school students avoid careers in engineering not because these careers are “geeky” but because students are unaware of what engineers do. This class looks to change that perception. In this course, students are introduced to the engineering process and to the opportunities available for engineering graduates after college. Students are invited to use their God-given creative capacities to find responsible and resourceful ways to uphold the dignity of others and the stewardship of creation. Students will work in teams to research, design, and construct solutions to open-ended engineering problems. Students are guided by an engineer mentor and will enjoy a few field trips and/or special presentations. This class is not just for those students who enjoy math and physics. Rather, this class is for any high school student who has interest in using his/her creative mind to help problem-solve everyday issues.

Life Skills, 9-12th Grade (Teacher: Natalie Breeden)

This course shows students a process to determine their goals for the future and helps them develop a plan to meet these goals. Topics will include personality testing, career planning, higher education and training, personal and spiritual health, financial and independent living. Throughout the year, we will enjoy lectures by “actual” people living careers which students have expressed interest in.

Mock Trial, 9-12th Grade (Teacher: Natalie Breeden)

This course will help students develop important knowledge about the law and the legal system, while developing critical-thinking and speaking skills. This course will leave student participants with an appreciation of the difficulties that judges, lawyers, and juries face in attempting to present all relevant facts and legal arguments and how these pieces fit together to insure the just resolution of the issues involved. Legal professions will be asked to participate as a presiding judge during the trial(s) and will be consulting the class on various occasions. Student will also participate in a Mock Trial Competition at a local courthouse.

COMPUTERS

Keyboarding, 7th, 8th Grade (Teacher: Suzie Wagner)

This is a beginning course using ABeka curriculum. Students will focus on proper technique, learning (without looking!) the keyboard. Using an Abeka textbook, students will work their way through the alphabet first, and then focus on speed. Assignments include a variety of documents, using proper headings, etc. Weekly timed writings keep track of the students’ progress.

Computer Skills, 8-9th Grade (Teacher: Willson Nemece)

Students will develop a working understanding of many basic computer programs. These programs include PowerPoint, Microsoft Word, Excel, Publisher, and Outlook. They will be challenged to integrate their newfound knowledge of these programs into their other classes through projects and presentations.

Web Design I, 9-12th Grade (Teacher: Joe Moss-Eclarian LLC) **NOT BEING OFFERED 2016-17**

Web Design I is an introduction to the design, creation, and maintenance of websites using a modern content management system. Students will learn Basic web design concepts; Web design standards and why they're important; How to evaluate website quality and construction; How to create and maintain quality websites; and Why self-study and life-long learning is important in the technology industry. The class will include an introduction to common web design languages, libraries, and tools, including HTML, CSS, JavaScript, jQuery, SQL, and PHP. The class progresses from introductory work to a culminating project in which students use what they learned to develop a website.

Web Design II, 9-12th Grade (Teacher: Joe Moss-Eclarian LLC)

This course will provide an advanced study of the design, creation, and maintenance of websites using a modern content management system. Students will learn advanced web design concepts, such as responsive design standards and best practices, how to evaluate website security and vulnerabilities; interactions between WordPress software, plugins, and themes; custom theme creation and customization; and website maintenance and ongoing support. The class will include the study of common web design languages, libraries, and tools, including HTML, CSS, JavaScript, jQuery, SQL, and PHP. Students may be required to demonstrate an appropriate level of understanding and knowledge of web design to be enrolled in this class.

ENGLISH**English, 7th Grade** (Teacher: Suzie Wagner)

Students will study Shurley English Grammar, focusing on 7 sentence patterns along with proper grammar. We will be using the IEW method of writing. With the students having many opportunities to write! Several novels will be actively read, some at school orally and some at home. Poetry will be taught in our grammar book as well as a curriculum by Matt Whitting.

English, 8th Grade (Teacher: Suzie Wagner)

Students will study Shurley English Grammar, focusing on 8 sentence patterns along with proper grammar usage. IEW writing will be used as the students write a variety of essays, culminating in a research paper. A poetry unit written by Maureen Richards will be used throughout the year. A variety of novels will be actively read, some orally in class and some at home.

Introduction to Classical Humanities, 7-12th Grade (Teacher: Tom Holt)

This course teaches skills necessary for success in the Libertas Classical Program. Students learn the Institute for Excellence in Writing program, active reading and basic rhetorical skills. This class is designed to expose students to the academic requirements associated with the classical academic program.

English, 9th Grade (Teacher: Pamela Wright)

This English course comprises World Literature and Composition with a focus on Christian worldview. Starting with a Biblical narrative, such as The Book of Ruth, students develop a recognition and appreciation for God's design in literary form and purpose. Inspired by Joseph Campbell's monomyth, the "hero's journey", students recognize the common themes and structures in storytelling throughout millennia. Literary and rhetorical tools that authors employ are identified, examined and analyzed throughout course readings. Plot structure analysis, active reading with annotating is learned as well. Over the school year a variety of entertaining and challenging literature is read. Titles range from short stories to novels, and poetry to plays. Regarding composition, Libertas students learn the IEW method of writing, beginning with effective notetaking and summarizing, followed by creative and expository writing. It is our goal that Libertas students be winsome communicators, able to logically and thoughtfully and interestingly express themselves through the written word.

English 10th Grade (Teacher: Natalie Breeden)

This course is designed to enable students to discover the significance of language through the study of literature and composition in order to become better equipped to communicate in our world for the glory of Jesus Christ. Throughout the course of the year, various forms of literature and composition will be studied, including Greek, Shakespearean, and Victorian texts. Assessments will be conducted through homework assignments, essays, quizzes, exams, and projects. Though not all of the authors are writing from a Christian background, the selection of literature will be taught from a biblical perspective, and students will decipher worldview components in the texts. Through analysis and critical evaluation, students will articulate their views in oral discussions as well as polished compositions. The students will read between three to four novels, two Shakespearean plays, an epic poem, and various short stories and poems from different time periods. Coinciding with the literature, analytical essays and evaluative discussions will be integrated into each unit. Additionally, students will hone their writing skills through grammar, usage, and mechanics exercises as well as creative activities.

English, 11th Grade (Teacher: Natalie Breeden)

This course is designed to enable students to discover the significance of language through the study of literature and composition in order to become better equipped to communicate in our world for the glory of Jesus Christ.

Throughout the course of the year, various forms of literature and composition will be studied, including Anglo-Saxon, Greek, Shakespearean, Victorian, and Modern texts. Assessments will be conducted through homework assignments, essays, quizzes, exams, and projects. Though not all of the authors are writing from a Christian background, the selection of literature will be taught from a biblical perspective, and students will decipher worldview components in the texts. Through analysis and critical evaluation, students will articulate their views in oral discussions as well as polished compositions. The students will read three novels, two Shakespearean plays, two epic poems, and various short stories and poems from different time periods. In addition to the literature, students will write analytical and rhetorical essays focusing on a specific theme presented by the author. Evaluative discussions and critical examination of the texts will be the focus of class periods. Additionally, the students will participate in various creative writing activities.

English Capstone, (Rhetoric) 12th Grade (Teacher: Natalie Breedon)

This course is designed to enable students to discover the significance of language through the study of written and verbal rhetoric in order to become better equipped to communicate in our world for the glory of Jesus Christ. This class focuses on the analysis and evaluation of different forms of rhetoric. In addition to examining published texts, students will also incorporate both verbal and written techniques in their own presentations. A key component of the class is weekly Socratic discussions in which the students must formally debate and interact with their peers. Assessments will be conducted through homework assignments, essays, quizzes, exams, Socratics, and speeches. The course will culminate in a senior thesis project in which students will analyze a piece of literature and evaluate the worldview presented. Utilizing knowledge from their previous classes as well as the Syntopicon, students will write a 15-20 page essay and formally defend their thesis in a presentation at the end of the year. The project is the capstone of their classical education. During the first semester, the students will read a variety of speeches from different time periods, various literary texts, and one novel. Using these texts, students will participate in Socratics as well as implement written analyses. They will familiarize themselves with rhetorical schemes and tropes, utilizing them in their own rhetorical essays. Additionally, exercises from the Progymnasmata will be assigned as well as some creative activities. The second semester will be devoted to formal speeches and preparation for the senior thesis.

WORLD LANGUAGE

Latin, 7th Grade (Teacher: Bettie Davis)

First Form Latin is a grammar-first approach which focuses on grammar forms, vocabulary, and English derivatives. Syntax (how to use the grammar) and translation are logic and rhetoric stage skills, respectively, and quickly overwhelm the student unless they are introduced at a slow, gentle pace and taught for mastery. This course uses the ideal text for all beginners, or it is a great follow-up to Elementary Latin, expanding on previous grammar and vocabulary.

Latin, 8th Grade (Teacher: Bettie Davis)

This course consists of a series of chapters, each of which includes stories in Latin as well as vocabulary and grammar explained in English. There is a short history section at the end of each chapter to provide context on Ancient Rome. Using the narrative of the story of Pompeii and its eventual destruction by a volcanic eruption, the students will follow the story of Caecilius, the banker throughout the book, until his demise when Vesuvius erupts. The beginning of the book is very simple, teaching students translation skills and developing their knowledge of grammar and vocabulary. While MS Latin I focuses on grammar, MS Latin II gives students the opportunity to use their grammar skills in the area of more complex translation.

Latin I, 9-12th Grade (Teacher: Louise Roth)

Latin I is a beginning Latin class that is appropriate for someone with no prior knowledge of the language and also for someone with some experience in the language. The students will study approximately 300 vocabulary words, all five declensions of nouns, all four conjugations of verbs in the six active indicative tenses, both types of adjectives, personal pronouns, possessive adjectives and will begin to learn the present passive system of verbs including the

special ablative uses that are necessary. Class time will be a combination of lecture, leading questions, board work, and games to reinforce vocabulary and forms. The textbooks used are First Year Latin by Robert Henle and Latin Grammar by Robert Henle.

Latin II, 9-12th Grade (Teacher: Louise Roth)

Latin II is a continuation of the study of the Latin language. The students will study approximately 30 vocabulary words, learn the present and perfect passive system of verbs (including the special ablative uses that are necessary), learn subjunctive mood and purpose clauses, and study relative clauses. Class time will be a combination of lecture, leading questions, board work, and games to reinforce vocabulary and forms. The textbooks used are First Year Latin by Robert Henle and Latin Grammar by Robert Henle.

Spanish I (Teacher: Indirah Michmerhuizen)

This course introduces the student to the language and culture of the Hispanic World. It provides the student with basic working information of the language (listening, speaking, reading, and writing) in order to interact and communicate with others while gaining a greater understanding of and respect for the cultural perspectives, and products of different cultures. Emphasis will be placed on basic communication and comprehension in everyday situations. Students will engage in activities such as, the creation and performance of original dialogues, question and answer situations as posed by the teacher or other student. Grammar is integrated throughout the course and is selected according to the language needs.

Spanish II (Teacher: Indirah Michmerhuizen)

This course is designed to enable students to communicate with native Spanish speakers and understand their culture. To take Spanish II, the student must have completed Spanish I, either through taking the course or by placement test. Emphasis is on communicating in Spanish through speaking, listening, reading, and writing in various aspects of time. Themes that will be covered in this level include: review of basic Spanish I concepts, the house, daily routines, shopping, travel, and childhood. Additionally, stress will be placed on cultural topics dealing with Spanish customs, the art, and Spanish influence in the United States. Grammar is integrated throughout the course and is selected according to the language needs.

SOCIAL SCIENCE

World History I, 7th Grade (Teacher: Tom Holt)

The course encompasses World History from Creation to 500 AD and focuses on topics such as the Babylon Empire, Egypt, Hebrew History, Greek World, Persian Wars, Peloponnesian War, Alexander the Great and Rome. Students are required to write original essays and share research on assigned topics and readings. Instructional resources include class discussion, student research and powerpoint presentations. Story of the World-Ancient World.

World History II, 8th Grade (Teacher: Tom Holt)

This course encompasses World History from 500 AD to 1500 AD and focuses on topics such as the Byzantine Empire, Rise of Islam, Charlemagne, Hundred Years War, Renaissance and the Reformation. Students are required to write original essays and share their research on assigned topics and readings. Instructional resources include class discussion, student research and powerpoint presentations. Story of the World-Medieval World

American History Part 1, 9th Grade (Teacher: Bob Davis)

This course covers the European background to American History from 1500-1800. The Protestant Reformation, the rise of Spanish world power, Columbus, Magellan and the Spanish Armada are all surveyed during the first semester. English colonies of Roanoke, Jamestown, Plymouth, Massachusetts Bay and the French and Indian War are covered second semester. The study concludes with an in depth analysis of the American War for

Independence and the Founding Ideas and Documents behind that world changing event. Emphasis is on the consequences of man's actions and God's Hand of Providence directing and guiding the events. Students will write position papers which reflect their study and understanding of various primary source documents.

American History Part 2, 10th Grade (Teacher: Tom Holt)

This course encompasses American History from 1800 until 1900 and focuses on topics such as the Founding Era, Jacksonian Era, Civil War, Reconstruction and the Gilded Age. Students are required to write original essays and share research on assigned topics. Instructional resources include class discussion, student research and powerpoint presentations. America The Last Best Hope Vol. 1

Government, 12th Grade, 1 Semester (Teacher: Tom Holt)

This course focuses on the development and content of the Federal Constitution. Students not only learn the responsibilities and duties for each of the three branches of government but are required to apply this knowledge to historical and current events. Assignments include writing original essays, reading and interpreting various primary documents like court cases, congressional laws, and great texts like the Federalist Papers.

Economics, 12th Grade, 1 Semester (Teacher: Tom Holt)

This course examines the benefits of the market based economic system. Students learn the economic concepts related to the capitalistic system and the consequences of government intervention. World economic systems are studied, but the primary focus is the United States economy. Students are required to write essays on historical and current economic issues and read excerpts from great texts like Adam Smith's The Wealth of Nations.

Modern History, 11th/12th Grade (Teacher: Tom Holt)

This course encompasses World History from 1900 to 1990 with a concentration on American History. This course focuses on topics such as WWI, Roaring 20s, WWII, Korean War, Vietnam War, 1970s and the Reagan presidency. Students are required to write original essays and share research on assigned topics and readings. Units are divided according to the decades in the 20th century. Instructional resources include class discussion, student research and powerpoint presentations. America The Last Best Hope Vol II

MATHEMATICS

Pre-Algebra, 7th/8th Grade (Teacher: Bettie Davis)

This class is designed to give students the fundamental skills necessary to succeed in Algebra I taken the following year. This course reinforces arithmetic skills, developing the pre-algebra concepts of variable recognition, signed numbers, order of operations, formulas and single variable equations, simplifying expressions, probability, and odds. Students will also have several lessons in Geometry to extend foundational concepts in preparation for high school geometry.

Algebra I, 8th/9th Grade (Teacher: Ruth Kaercher)

This is a college preparatory course that fulfills one year of the high school mathematics graduation requirement. Topics include solving equations; addition, subtraction, multiplication, and division of polynomials; factoring polynomials; simplifying algebraic fractions; applying algebraic fractions to word problems; functions; systems of linear equations; inequalities; rational and irrational numbers; and quadratic functions. Students will be expected to engage in problem solving activities and analysis of applied algebra. Challenge problems are also introduced for each chapter to help the student engage in critical thinking skills which aid the development of greater problem solving abilities. The text used is a classic algebra curriculum which provides a solid foundation while also maintaining the skills learned in basic math.

Geometry, 9th/10th Grade (Teacher: Ruth Kaercher)

This is a college preparatory course that fulfills one year of the high school mathematics graduation. Topics include basic geometric terminology, deductive and inductive reasoning, angles, perpendicular lines, parallel lines and planes, properties and proofs for congruent triangles, properties and proofs for quadrilaterals, geometric inequalities, properties of similar polygons and right triangles, introduction to trigonometry, circles, basic constructions, areas of plane figures, volumes of solids, introduction to coordinate geometry and transformations. Emphasis will be on developing basic analytical and theoretical skills. The text used is a classic curriculum which provides the student with a solid foundation in geometry. Challenge problems are also introduced for each chapter to help the student engage in critical thinking skills which aid in the development of greater problem solving abilities.

Algebra II, 10th/11th Grade (Teacher: Ruth Kaercher)

This is a college preparatory course that fulfills one year of the high school mathematics graduation requirement. Topics include solving linear equations and inequalities, products and factors of polynomials, rational expressions, irrational and complex expressions, quadratic equations and functions, synthetic division, conic sections, logarithmic functions, sequences and series, trigonometry, and introduction to statistics, probability, and matrices. This class uses a classic Algebra 2 text which builds on the foundation laid by Algebra 1 and engages the student in critical thinking skills and analysis of applied algebra. SAT preparation is incorporated into the curriculum.

PreCalculus, 11th Grade (Teacher: Matthew Williams)

Students will explore and model connections between problem situations and their mathematical representations. Main topics to be explored include functions, exponentials, logarithms, trigonometry, and vectors. Course content will focus primarily on trigonometric functions and their applications. Graphing is emphasized throughout the course and students will continue to use their graphing calculator. This course will prepare students for the study of calculus and other higher-level science courses (e.g., physics).

Calculus, 12th Grade (Teacher: Matthew Williams)

Calculus topics are presented three ways: graphically, numerically, and algebraically. Students study functions, limits, derivatives, integrals, and differential equations. Emphasis is given to the application of derivatives (rates of change, motion, optimization) and the application of integrals (area, volume, accumulation of change). The graphing calculator will be used to extend and enhance student understanding.

LOGIC**Logic - 8th Grade** (Teacher: Ruth Kaercher)

This course uses the classic text, *The Art of Argument*, to teach the argumentative adolescent how to reason with clarity, relevance, and purpose. The mastery of informal logic (the logical fallacies) is a foundational subject by which other subjects are evaluated, assessed, and learned. These fallacies become relevant with practical applications through an analysis of current social, commercial, and political issues. Students will also be introduced to the basics of formal logic including critical thinking skills, classic symbols used in logic, and truth values based on the laws of logic. Students will engage in games, logic puzzles, and other classroom activities which further their thinking skills and understanding of logic. This class is a prerequisite for Apologetics.

SCIENCE**General Science, 7th Grade** (Teacher: Willson Nemece)

Students will learn the basic elements of Chemistry in order to gain a better understanding of how the world works both physically and chemically. Through hands-on labs and dynamic experiences, each individual will gain a working knowledge of what makes our world work. This course is foundational to their continued study of the world of science and our intentional goal to find various fingerprints of God in creation.

Physical Science, 8th Grade (Teacher: Willson Nemece)

We will study the fundamentals of those principles that make up the inner workings of the physical world. These principles include light, energy, motion, electricity, magnets, sound, and simple machines. The students will have opportunities for hands-on experiences that will help them to better understand the practical applications of the knowledge they will be learning. Students will be challenged with real-life problems that require them to use their newfound knowledge of physics to accomplish.

Biology, 9th/10th Grade (Teacher: Willson Nemece)

Biology is the study of living-organisms and their growth, function, distribution, and taxonomy. Students will develop a deep understanding of the living world through specific observations and hands-on experiences. They will be prepared to enter into the world with a vast working knowledge of the origin of life, and fully able to defend truth through both scientific and biblical proof. Through the study of living organisms, students will gain an authentic awe for the creative touch of God.

Human Anatomy, 11th/12th Grade (Teacher: Willson Nemece)

Students will gain a detailed understanding of the structure, function, and organization of the human body from a biblical perspective. Through both hands-on experience and observation, students will learn how the body functions as well as how we can maintain the health of our own bodies.

Chemistry, 11th/12th Grade (Teacher: Willson Nemece) **NOT BEING OFFERED 2016-17**

In this course, the student will learn the basic elements of Chemistry in order to gain a better understanding of how the world works both physically and chemically. Through hands-on labs and dynamic experiences, each individual will gain a working knowledge of what makes our world work. This course is foundational to their continued study of the world of science and our intentional goal to find various fingerprints of God in creation.

Physics, 11th/12th Grade (Teacher: Matthew Williams)

The purpose of this course is to gain an understanding of such topics as motion, forces, momentum, work, energy, waves, and electricity. The approach will include real-world applications of physics so that students may gain an appreciation of this subject. Course assignments will include such things as problem sets, lab experiments, computer assignments, and a research project with presentation.

PHYSICAL EDUCATION

Karate, 7-12th Grade (Teacher: Crusader Martial Arts)

See company flyer at back of booklet.

Physical Education/Health, 8th Grade (Teacher: Willson Nemece)

Students will learn to view their bodies as a temple of the Holy Spirit. They will learn and practice the disciplines of maintaining a healthy lifestyle. They will learn to set their own individual and measurable goals as well as develop mature social skills that will allow them to communicate and work together with others to achieve a goal.

HS Fitness, 9-12th Grade (Teacher: Willson Nemece)

This class will build off the principles off MS PE/Health and expand the students' working knowledge of physical fitness. Students will set their own individual and measurable goals in the four areas of physical fitness; cardiovascular, strength, flexibility, and mental health. They will face challenges that will promote well-rounded growth in overall health.

MUSIC

MS/HS Band, 6th-12th Grade: (Teacher: Anne Brown)

At Libertas it is our endeavor to pursue Truth, Beauty and Goodness in the Arts. Our goal in band is to give students the tools they need to critically evaluate the music they hear, and to enjoy and appreciate a wide variety of musical styles and genres especially as a performer and as a worshiper of God. Through the pursuit of excellence in our rehearsals, *diligent daily practice at home*, and performances, students will learn an appreciation for music, while improving technical skills on their instrument. This ensemble performs music at a high-school level in a variety of performance settings, including concerts, chapels, and festivals. Music is selected for melodic, rhythmic, and stylistic content as we learn together what it means to pursue Truth, Beauty and Goodness. The skills taught in Beginning Band are expanded upon at a developmentally appropriate level for each performer. This year-long course for grades 6-12 requires permission from the director to join. *Daily practice at home* is needed for the ensemble to perform at its highest potential. All performances are required. Please see the School Calendar.

SPECIAL OPPORTUNITIES (Upon Request)

Elementary (PreK-6th Grade) Teacher Aide, 9th-12th Grade

Middle or High School (7-12th Grade) Teacher Aide, 9th-12th Grade

School Office Aide, 11th-12th Grade

Independent Study Hall, 7th-12th Grade (Teacher: Pam Wright)