

*Terre Hill Mennonite
High School*



**Course
Descriptions
Booklet**

July 2024 Edition

Bible

Old Testament Grade Level - 9

1.0 credit

The goals of this course are to think through the Old Testament in chronological narrative form, to construct maps of Old Testament periods and places, and to outline Old Testament covenants. Students should develop a deeper understanding of the plan of salvation, develop good Bible study skills for personal study of God's Word, see the Old Testament as a foundation for Christianity and grow in applying Old Testament principles in everyday life.

New Testament Grade Level - 10

1.0 credit

In this class the New Testament will be studied as the revelation of the Old Testament, the Old and New covenants will be compared and contrasted, and it will be observed how Christ and the early church bridged the gap between the Jews and Gentiles. Students should be able to think through the New Testament in chronological narrative form, give distinguishing features of New Testament books, know the location of specific content in the New Testament, and construct maps of Paul's missionary journeys. The goal of this study is to gain a deeper understanding of how to live the teachings of the New Testament and to grow in relationship with the Lord Jesus Christ.

Bible Doctrine Grade Level - 11

1.0 credit

The goal of this class is to strengthen within the life of each student faith and convictions that are founded upon the doctrinal truths of Scripture. God's Word is recognized to be the absolute basis of all life and truth, and as the only foundation upon which we can build our faith and practice. The outline of the class is based on the 20 articles listed in the 1963 Mennonite Confession of Faith and includes such topics as theology, Bibliology, Christology, etc. Biblical doctrine will be related to daily living.

Practical Christian Living Grade Level - 12

1.0 credit

This class is focused on living out our daily Christian lives according to God's Word. Focus is on issues related to students' lives now and in the near future. The units of study are: methods of Bible study, self discovery (spiritual gifts, personalities, interests, and vocation), dating and marriage, finances, and God's will. There are frequent discussions on current Christian issues.

Bible Study Methods/Teaching Grade Level - 10, 11, 12 0.5 credit

Students will learn how to study the Bible for themselves. They will explore various Bible study methods and techniques that will help them understand

scripture. Students will learn how to use and evaluate sources and translations. Students will also explore and practice the art of preparing and presenting a Bible lesson or devotional. The aim of this class is to prepare pupils to be lifelong students of the Word who do not need to be ashamed of their work (2 Tim. 2:15) and to help them learn how to communicate the teachings of scripture in a meaningful, relevant way.

Missions **Grade Level - 11, 12** **0.5 credit**

In this class we will expand our vision of the spiritual needs of the world. We will evaluate and be challenged in our response to Christ’s commission to go and make disciples of all nations. There will be first hand opportunities to interact with those who have had experience serving in mission settings. Through practical projects and assignments we will build a mission mentality for service.

Business Education

Accounting I **Grade Level - 11, 12** **1.0 credit**

This course is learning about business transactions, record keeping, and reporting. Students learn the principles of accounting, how to record and report business transactions for sole proprietorships, partnerships and corporations. Students do simulations of several businesses using “actual” documents to record transactions and create reports. Students also do a significant amount of their accounting using computers.

Accounting II **Grade Level - 11, 12** **1.0 credit**

Accounting 2 gives more in-depth experience with the concepts learned in accounting I.

Computer

High School Prep **0.5 credit**

Grade Level - 9

In all activities in all of life we should seek to do our best with the time, talent, and resources that God has given us. This principle applies to a student’s approach to high school which provides a wonderful opportunity for a young person to develop methods and habits of organization and management that will benefit them for the rest of their lives. God desires whole-hearted participants in all activities, so “Whether therefore ye eat, or drink, or whatsoever ye do, do all to the glory of God” (I Cor. 10:31).

Microsoft Office I: Word Processing & Basic Spreadsheets

Grade Level – 9

0.5 credit

Students will begin an in-depth look into the functions and features that make word processing and graphic design easy with Microsoft Word. Students will have opportunities to create many different types of documents such as: reports, newsletters, brochures, and flyers. There will also be instruction on the ever changing field of technology and IT. Instruction will be designed to be applied both in the workplace and at home.

Microsoft Office II: Advanced Spreadsheets, PowerPoint, & Access

Grade Level – 10, 11, 12

0.5 credit

This course is designed to instruct students on the use of the Microsoft Office Suite in the workplace. The first section will focus on using spreadsheets to find solutions to complex problems & creating professional attractive spreadsheets. The PowerPoint section will focus on creating attractive slides that capture the observer's attention through to-the-point and impactful presentations. If there is time in this class, students will be able to collect, organize, store and retrieve data through the powerful tools built into Microsoft Access.

Access

Grade Level - 11, 12

0.5 credit

This class is to instruct students how to use the Access program to collect data and then use the data to provide meaningful information. They will look at needs and then develop systems to provide the needed information. This includes evaluating the need, and design and development of solutions. There is instruction as needed, but most of the work is in projects to provide solutions to increasingly more complex situations. There may also be some group learning in cooperation in finding solutions.

Computer Aided Design (CAD) Grade Level - 10, 11, 12

0.5 credit

Drafting is a course with two objectives. First: learning to use a computer sided design program to draw a variety of objects. It counts toward the required computer credit. Second: a significant part of the class is related to drafting design. Learning how to design, draw and dimension drawings for a variety of different things from desks to houses.

Computer Service & Repair I

Grade Level – 10 - 12

0.5 credit

This is an advanced course designed to start students on the path to being a successful computer repair professional. This course will include in-depth studies on: Operating Systems, Motherboards, CPU, Power Supplies, Memory, Input Devices, Video & Audio Systems, Magnetic & Solid State Devices, Optical

Storage Technology, and Printers. This class is a prerequisite for Computer Service & Repair 2.

Computer Service & Repair II Grade Level – 10 - 12 0.5 credit

This course is a sequel to Computer Service & Repair 1 (see course description). In this class we will examine the following areas of study: Laptops & Mobile Devices, Modems & Transceivers, Physical & Digital Security, PC Troubleshooting, Introduction to Networking, Network Administration, Wide Area Networks (WAN), Small-Office/Home-Office (SOHO) Networking, Customer Support, and Communication & Professionalism. After the successful completion of this course, students will be ready to take and pass the CompTIA A+ Certification Exam, which is the leading certification employers look for when hiring IT technicians.

Introduction to Web Development

Grade Level – 10 – 12 0.25 or 0.50 credit

This is an online class that is a compilation of short classes designed for those at either beginner or intermediate levels. Students will be introduced to fundamental parts of web development which includes basic coding to give web pages structure. Students will also learn about creating web page styles and will study various design components. Students must be self-motivated to succeed in this class.

Foreign Language

Spanish IA Grade Level – 10 0.5 credit

In this class, we learn how to speak and write basic Spanish. The class focuses on learning Spanish vocabulary and on learning some basic grammatical concepts. The goal of the class is to provide a foundation for further study of Spanish.

Spanish IB Grade Level - 10, 11, 12 0.5 credit

Prerequisite: Spanish 1A

This class is a continuation of Spanish 1A.

Spanish II Grade Level - 11, 12 1.0 credit

Prerequisite - Spanish 1A & 1B

In this class, students will learn more complex Spanish grammatical concepts. Students will further develop their listening, reading, speaking, and

writing skills. They will also have some opportunities to experience the Hispanic culture. The goal of this class is to equip students to communicate with Spanish speakers on a high beginner/low intermediate level.

History

World History

Grade Level - 9

1.0 credit

This World History course will summarize the story of human beings since the Creation to the early 16th century. From there we will survey the major events of human history to our present time. The main focus of this course will be western civilization while including other peoples and lands. As Anabaptist Christians, the approach will attempt to identify with the human story across time and hopefully awaken Christian compassion toward our fellow human beings and humility before our merciful God.

United States History

Grade Level - 10

1.0 credit

This United States History course will summarize the story of European settlement in the present-day United States until the mid-19th century. From there we will survey the story of the United States from after Civil War Reconstruction to our present time. As Anabaptist Christians, we will attempt to view this in light of our traditional two Kingdom mentality.

Church History

Grade Level - 11

1.0 credit

Semester One: General Church History. General Church History surveys the important events, people, and stories of the church from the New Testament to our present era, heavily focusing on the Western Church. In looking back at the faithfulness of God and His people, we will hopefully be better prepared to carry the torch of faith to yet another generation.

Semester Two: Anabaptist History. Anabaptist History surveys the important events, people, and stories of the Anabaptists, a specific tradition arising from the Protestant Reformation. As Anabaptists we will look back at our faith tradition in order to understand our present and embrace the call of Christ in our personal and collective lives.

PA History

Grade Level – 11, 12

1.0 credit

This course will survey the history of Pennsylvania from the Native people to our present age. The content will be presented in four main sections: the Native Americans, the Revolution, Industrial PA, and Modern PA. This class mixes research, primary documents, and lecture. It also includes the geography of PA and the surrounding area.

Industrial/Domestic Courses

Wood Shop I **Grade Level - 9** **0.50 credit**

In this class students develop and improve knowledge and skills of basic wood working. They learn and practice safety in the shop and develop Christian character traits such as orderliness, diligence, thoroughness, and patience.

Adv Wood Shop **Grade Level - 10, 11, 12** **0.25+ credit**

Students develop and improve knowledge and skills of advanced processes of woodworking on a self-paced level.

Appliance Repair **Grade Level - 10, 11, 12** **0.13 credit**

This class is generally taught by a Martin's Appliance service technician. The emphasis is on understanding electronic circuitry.

Auto Maintenance **Grade Level - 10, 11, 12** **0.13 credit**

This class emphasizes basic auto maintenance and incorporates hands on experience.

Electrical **Grade Level - 10, 11, 12** **0.13 credit**

In this class students will learn how to install wires, receptacles, switches, and lights.

Small Engines **Grade Level - 10, 11, 12** **0.13 credit**

In this class students will learn the basic components of a small engine and will experience rebuilding an engine.

Home Economics I **Grade Level - 9** **0.5 credit**

The goals of this class are to gain skill in operating a sewing machine and constructing a garment, and to increase skill in cooking and baking and learn to make a variety of food. The first quarter will be learning to use the sewing machine and spending most of the class time constructing a simple but complete outfit. The second quarter will be spent working in the kitchen.

Adv Home Economics I **Grade Level - 10, 11, 12** **0.25 credit**

In this class we will explore hospitality, using what's around us to bring beauty into our homes, home canning, preparing and serving a meal for large

groups, grocery shopping, the art of baking bread, ethnic foods, holiday foods, and repurposing clothing or sewing a shirt.

Adv Home Economics II Grade Level - 10, 11, 12 0.25 credit

In this class we will explore basic childcare, (pregnancy, birth and early childhood development) it will include some interactive days with children and some guest speakers. We will also explore activities which may include, butchering a chicken, creating a kitchen herb garden, making noodles, cheese and other foods from scratch. A small sewing project may also be included.

Chef's Class Grade Level - 11, 12 0.25 credit

This class focuses on giving guys essential kitchen skills. The goal is to help each student feel comfortable enough in the kitchen to pick up and follow any basic recipe. Class time includes some notes with one cooking project each day.

Child Care Grade Level - 11, 12 0.5 credit

The aim of this class is to prepare students to care for a child providing the physical, emotional, social, intellectual, and spiritual care that a child needs. Another goal of this class is to encourage students to reach out and become involved in a positive way in the lives of the children they have contact with. Subject material begins with preparation for parenting, family planning, pregnancy, childbirth, etc. After that the stages of infancy and childhood are studied along with special discussion topics. Activities may include a field trip to the hospital (birthing/nursery areas) and a daycare center, and a day of babysitting.

Shop for Girls Grade Level - 11, 12 0.5 credit

This course gives girls the opportunity to have wood shop experience. A small project is made from knotty pine wood.

<h2>Language Arts</h2>

English I Grade Level - 9 1.0 credit

English 1 includes grammar, composition, literature, vocabulary, and spelling. Because the study of grammar is foundational to mastering the English language, grammar is given a place of major importance throughout English 1. The variety of composition assignments allows students the opportunity to practice applying the grammar concepts they learn. The study of literature develops a knowledge of literary terms, an appreciation of poetry, and an acquaintance with many important authors. Students learn to analyze the

development of plot, theme, setting, and character within a work of literature. In order to become an effective communicator, one must know and be able to use an extensive, well-developed vocabulary. The vocabulary lists for English 1 are taken from the stories found in the literature text. Equally as important as using a good vocabulary is using correct spelling. The words chosen for the spelling lists are practical words and many of them are words which are frequently misspelled.

English II

Grade Level - 10

1.0 credit

English 2 includes grammar, composition, literature, vocabulary, and spelling. Because the study of grammar is foundational to mastering the English language, grammar is given a place of major importance throughout English 2. The variety of composition assignments allows students the opportunity to practice applying the grammar concepts they learn. Students complete a formal literary research project. The study of literature gains increasing importance in English 2, as students are exposed to significant works from ancient literature as well as many modern classics. The goal is for students to comprehend and appreciate the basic elements of a work of literature through author biographical material, analysis of the literary work, a knowledge of literary terms, and literary compositions. Knowing and using a good selection of choice vocabulary words definitely gives high school students an advantage, whether it is in a job interview, on a college entrance exam, or simply in meeting today's emphasis on expression and communication. The ability to spell well is an equally important educational asset. In addition to the spelling and vocabulary lists, English 2 students learn the meanings of word parts (prefixes, roots, suffixes) that will help them determine the meanings of thousands of other words.

American Literature A

0.5 credit

Prerequisite: English 2

Grade Level - 11, 12

American Literature A is intended for the college-bound student. Students should have completed English 2 before taking American literature. The focus of the course shifts from grammar to literature and from descriptive to argumentative writing. The literature segment provides foundational instruction in American literature by presenting great works of early American poets, short story authors, essayists, and novelists with an emphasis on the novel *The Scarlet Letter*. The goal is for the students to comprehend and appreciate the basic elements of a work of literature. The course includes a variety of composition assignments that develop the students' ability to think and analyze literary works and develop the maturity of their writing style. They learn to organize their thoughts and present them in a concise, readable, understandable, and convincing manner. The goal of the grammar review in this course is editing and improving the students' writing.

American Literature B

0.5 credit

Prerequisite: English 2

Grade Level - 11, 12

American Literature B is intended for the college-bound student. Students should have completed English 2 before taking American literature. The focus of the course shifts from grammar to literature and from descriptive to argumentative writing. The literature segment provides foundational instruction in American literature by presenting great works of the nineteenth century in chronological format and then leads into twentieth century American literature. The goal is for the students to comprehend and appreciate the basic elements of a work of literature. The course includes a variety of composition assignments that develop the students' ability to think and analyze literary works and develop the maturity of their writing style. They learn to organize their thoughts and present them in a concise, readable, understandable, and convincing manner. The goal of the grammar review in this course is editing and improving the students' writing. American Literature A is NOT a prerequisite to this class.

British Literature A

each 0.5 credit

Prerequisite: English 2

Grade Level - 11, 12

British Literature A is intended for the college-bound student. Students should have completed English 2 before taking British Literature. Literature and composition are given top priority in this course. British literature presents great works of British writers from the Anglo-Saxon period through the Age of the Puritans, with special emphasis on Macbeth, and Pilgrim's Progress. The goal is for the students to comprehend and appreciate the basic elements of a work of literature. The course includes a variety of composition assignments that develop the students' ability to think and analyze literary works and develop the maturity of their writing style. They learn to organize their thoughts and present them in a concise, readable, understandable, and convincing manner. The goal of the grammar review in this course is editing and improving the students' writing. Students may take either the first or second semester for a half credit or the whole year for one credit.

British Literature B

each 0.5 credit

Prerequisite: English 2

Grade Level - 11, 12

British Literature B is intended for the college-bound student. Students should have completed English 2 before taking British Literature. Literature and composition are given top priority in this course. British literature presents great works of British writers from the Restoration and the eighteenth century through the twentieth century. The goal is for the students to comprehend and appreciate the basic elements of a work of literature. The course includes a variety of composition assignments that develop the students' ability to think

enjoy story and poetry writing and gain confidence in submitting manuscripts for publication.

Christian Authors **Grade Level - 10, 11, 12** **0.5 credit**

Christian Authors reviews basic story elements and writing techniques through stories and poems written by various Christian authors. Most of these authors are from the nineteenth and twentieth centuries. Students also choose a specific Christian author for a more in-depth study. The focus of this part of the course is to learn to analyze an author’s writings to determine his motivating theme or common characteristics of his writings. The goal of this course is to help students become more discriminating readers.

Professional Communication I **Grade Level - 10, 11, 12** **0.5 credit**

Students will learn how to communicate professionally, become an effective team player, lead and participate in effective meetings, and communicate cross-culturally. Students will also review basic grammar skills and mechanics. They will learn foundational skills of business writing such as preparing and executing a writing plan, as well as choosing an appropriate style and tone in writing. Students will learn how to plan for a career and how to interview successfully for a job.

Professional Communication II **Grade Level - 10, 11, 12** **0.5 credit**

Students will learn how to write, format, and design professional communications such as business letters, emails, technical documents, and social media. Students will learn speaking skills in the workplace and will gain experience in giving business presentations. They will develop their skills in creating slide presentations containing effective visual aids and digital media. Students will also learn listening and reading skills.

Mathematics

Pre-Algebra **Grade Level - 9** **1.0 credit**

The goal of this class is to help the student master the mathematical skills necessary to succeed in Algebra 1, other classes where logical skills are needed, and life outside of school.

Algebra I **Grade Level - 9, 10** **1.0 credit**

Algebra 1 is the first course in the high school algebra sequence and is the beginning of the abstract study of arithmetic operations. The intent of the course is to give the student a good foundation in the basic fundamentals of algebra. It is required for all students who are determined to be adequately prepared as

per their scores on an algebra prognosis test, eighth grade achievement test ranking, and/or eighth grade math teacher recommendation.

Topics emphasized in this course are the properties of the real number system, statistical graphs, graphing with the Cartesian coordinate system, simplification and evaluation of algebraic expressions, equations, inequalities, linear functions, polynomials, exponents, factoring, and problem-solving. A calculator is required with a scientific calculator being preferred.

Geometry **Grade Level - 10, 11, 12** **1.0 credit**

Prerequisite - Algebra I

Geometry emphasizes the development of both inductive and deductive reasoning within the context of Euclidian geometry. It is required for all students who have taken and passed Algebra 1 in either eighth or ninth grade and is recommended for all other students who have completed Algebra 1. Topics taught include the properties of lines, polygons, and circles, constructions, coordinate geometry, congruence, including some deductive proofs using congruent triangles, similarity, area, volume, and triangle trigonometry. Additional topics taught as time permits may include logic, deductive proofs, and transformations. A calculator, ruler with both English and metric units, protractor, and drawing compass are required.

Algebra II **Grade Level - 10, 11, 12** **1.0 credit**

Prerequisite - Algebra I & Geometry

Algebra 2 is suggested for the academic student who has completed Algebra 1 and Geometry with at least an average grade of "C" or who has received a teacher recommendation. Topics emphasized in this course include the study of equations and functions (including linear, absolute value, quadratic, polynomial, and exponential), linear, absolute value, and quadratic inequalities, systems of equations and inequalities, polynomials, exponents, irrational and complex numbers, conic sections, factoring, algebraic fractions, combinatorics, probability, statistical analysis, and using math models to solve real life problems. Additional topics taught as time permits may include matrices and a review of triangle trigonometry. A scientific calculator is required. Students will gain some experience in using the TI-83+ graphing calculator.

Pre-Calculus **Grade Level - 11, 12** **1.0 credit**

Prerequisite: Algebra II

Pre-Calculus is intended for the college-bound student or the student with above-average mathematical skills. A student enrolling in Pre-Calculus must have received an "A" or "B" in Algebra 2 or have a teacher recommendation. Pre-Calculus is largely an Algebra 3/Trigonometry course. Topics taught in this course include a review of the types of equations, inequalities, systems, and functions

lead a singing audience, how to understand the piano keyboard, and how to sing with more confidence and ease.

Adv Music Theory **Grade Level 10, 11, 12** **0.5 credit**

This will be a continuation of Music Theory I.

Large Chorus **Grade Level - 9, 10, 11, 12** **0.5 credit**

Participation in large chorus is required of all students. The goals for large chorus are to help students improve their singing skills, learn how to work together, and to present two Christmas and two Spring concerts by memory, consisting of sacred a capella music that honors and blesses the Lord. Concerts may also include student narration and/or reader's theater style drama. Students' grades will largely be determined by their participation and attitude during weekly rehearsals and their presence at and performance behavior during concerts. Students may also be asked to write the words of songs from memory.

Gospel Team **Grade Level - 11, 12** **1.0 credit**

The Gospel Team is an elective class for eleventh and twelfth grade students. Gospel Team is intended to be a growing experience musically, spiritually and socially for each student. The goals of the Gospel Team relate to these three areas of experience: 1) Students will improve their vocal skills (both individually and as a group) and general knowledge pertaining to choral music. 2) Students will be drawn closer to God in their spiritual lives, be an encouragement to one another, understand better how to praise God together, and be an instrument which God can use to draw others' hearts to Himself. 3) Students will learn to accept each other and relate well together despite their differing personalities, gifts, strengths, and weaknesses.

The Gospel Team gives programs of sacred a capella music and testimony in local churches, prisons and juvenile centers, rehabilitation programs, and rest homes during the months of January through May as planned by the director. A weekend tour consisting of four or five programs is also planned each year. It also participates in both the Christmas and Spring concerts.

Students are required to attend all programs, participate in a joint choral activity with Faith High School (if planned), give testimonies, attend a fall social and winter retreat, listen to sacred choral music, and memorize their songs and music vocabulary and symbols. Students may be required to listen to and practice their music outside of the normal class periods. Students' grades will be determined by their participation in daily rehearsals, their attendance and performance in programs, and quizzes.

Sight Singing/Voice**Grade Level – 10, 11, 12****1.0 credit**

This course is designed to help develop the tools necessary to read and sing music proficiently. Proper vocal technique will be a large component of this class. The collective enjoyment of the heart and soul of music will permeate our singing and listening.

Physical Education and Health

Girls' PE 9/10**Grade Level - 9, 10****0.5 credit**

In this class grading is based on effort and attitude, then skill, in four main sports: soccer, basketball, volleyball, and softball, as well as some track and field activities. One game will be played each quarter with another school.

Girls' PE 11/12**Grade Level - 9, 10****0.25 credit**

The focus of this class will be on being active through recreational team sports. Soccer, volleyball, basketball, handball, cricket, etc. are some examples. Students will be introduced to fundamentals required in each sport along with the basic rules. An emphasis will be placed on sportsmanship and character. Students in this class will not play games against other schools.

Girls' Fitness Class**Grade Level - 11, 12****0.25 credit**

In this physical education class grading is largely dependant on participation in various sports activities, aerobics, and setting personal fitness goals. This class is designed to broaden horizons in both fitness awareness and sports activities.

Girls' Volleyball**Grade Level - 11, 12****0.25 credit**

This is a fairly intense physical education class focusing on volleyball where students learn rules, referee signals, fundamentals, techniques and strategies. Students will be graded heavily on effort and performance. Students will be required to participate in several games with other Mennonite schools.

Girls' Basketball**Grade Level - 11, 12****0.25 credit**

This fairly intense physical education class focuses on basketball where students learn rules, referee signals, fundamentals, techniques and strategies. Students will be graded heavily on effort and performance. Students will be required to participate in several games with other Mennonite schools.

Guys' PE**Grade Level - 9, 10****0.50 credit**

This class will spend time on developing physical fitness, learning the rules of a variety of sports, practicing the basic fundamentals of the sports, and

produces. Heat, molecular motion, light, electricity, magnetism, and machines to multiply forces of energy are all made relevant to daily life. This course includes numerous hands-on labs that bring to life the concepts taught.

Biology

Grade Level - 10

1.0 credit

This course explores life – the marvelous and complex creation designed and controlled by God. Plant life and animal life will both be studied. The design and function of the human body will be emphasized in recognition that our bodies are the temple of the Holy Ghost. The text concludes with a study of cellular biology highlighting the intricate and technical necessities at a cellular level to maintain and propagate life. Life is studied in this course with the understanding that God is the giver of this precious gift as stated in his word.

Advanced Biology

Grade Level - 11, 12

1.0 credit

This course explores the wonders of the human body in terms of body structure (anatomy) and body function (physiology). The first three chapters provide an overview of the human body discussing the major organ systems at work on a macroscopic level, the chemistry at work in the body at a microscopic level, and the cells which build tissues to form the basic units from which life processes can proceed. After these introductory chapters, each organ system is studied individually and in depth with emphasis on homeostatic imbalances within the system which cause illness. This course is **ADVANCED** biology and expects students to bring motivation, desire to learn, and persistence to pursue a deeper knowledge of the human body and the multitude of terms that describe it. This course is an excellent prerequisite for any student considering any type of medical training, or discovering the depths of the Psalmists declaration, “I am fearfully and wonderfully made.”

Basic Chemistry

Grade Level - 11, 12

1.0 credit

This course explores the composition, structure, and properties of matter at an atomic level and the changes that matter undergoes. The periodic table of the elements, compounds and chemical bonds will be studied, as well as the identity and interactions of acids, bases, salts, solutions, and gases. Learning chemical symbols and formulas, identifying different chemical reactions, and balancing chemical equations is an important part of the course, however general chemistry students will not be expected to memorize as many technical details as regular chemistry class, but will rather have reference charts provided to them so they can quickly look up the information needed for their work. Numerous, simple labs with common household materials are completed to reinforce concepts. The textbook is student centered with clear expectations and review to ensure that concepts are mastered before quizzes and tests.

Chemistry

Grade Level - 11, 12

1.0 credit

This is a branch of science that deals with the composition, structure, and properties of matter, and the changes that matter undergoes. Elements, compounds and the chemical bonds involved will be studied in detail, as well as the identity and interactions of acids, bases, and salts. Identifying different chemical reactions and balancing chemical equations along with learning the chemical formulas and symbols is an important part of the course. Time is given to experiencing hands-on observation of chemical properties and changes in the laboratory. A proficient ability in algebraic manipulation is helpful for this course.

General Science

Grade Level - 11, 12

1.0 credit

This course explores the major content of Ag science, environmental science, chemistry, and physical science as a review of the major sciences. The quarter of Ag science will review key concepts of biology. The quarter of environmental science will study the environment, ecosystems at work, and the human impact on those ecosystems. The quarter of Chemistry will introduce chemistry as the building blocks of all matter with focus on the microscopic structure of the atoms, molecules, and elements and how they are quantified. The quarter of physical science will focus on macroscopic matter reviewing the basic concepts of matter, its states, and its visible energy of motion.

Agricultural Science

Grade Level - 11, 12

1.0 credit

This course is designed to introduce the student to crop and animal agriculture from a biological perspective. Instead of focusing on the “how to” it focuses more on the “why” perspective. Subjects covered range from soil science to food preservation and safety. Other subjects more specific to agriculture include plant and animal growth and reproduction, weed and insect control, and disease treatment and prevention. Specialty subjects include organically grown products, aquaculture, and forestry. Labs and field trips are included as appropriate.

Physics

Grade Level - 11, 12

1.0 credit

Prerequisites - Algebra I & II, Geometry

Physics is the study of energy and matter in their various forms and how they interact. This course is intended for college-bound students who have interest in the sciences or who have above-average mathematical ability. Algebra 1 and Geometry are pre-requisites for Physics and students must have received grades of “C” or better in those classes. Students must also have completed Algebra 2 or be taking it concurrently. Topics taught include motion, momentum, work, electricity, heat, sound, light, and magnetism. A scientific calculator is required.

Social Science

Economics

Grade Level - 11, 12

0.5 credit

The class on economics looks at how economies function in areas such as: production, supply and demand, marketing and competition, savings and the global interactions of different countries' economies. This is then related in a practical way to our current situation and our own involvement in the economy.

Psychology

Grade Level - 11, 12

0.5 credit

This class is about the study of the human mind. This is a very broad subject, and must be approached in a way that leads to Christ. We look at how psychology began, some of its basic beliefs, and some applications. Throughout the class, we try to draw connections to the Word of God, or point out where psychology disagrees with it. The goal of the class is to understand ourselves better, and to understand what psychology means to many people, and how it may be in error.

American Government & Current Events

Grade Level - 11, 12

0.5 credit

American Government & Current Events will use the study of American Government to drive an understanding of what is going on in our current world. The student can expect homework to be primarily about American Government, while class discussion and content will be about both government and current events. A major objective in this class is not only an understanding of American government and current events but a Jesus-informed view of these subjects. This class will attempt to form a lover of God who is compassionate and understanding of all people. This lover of God will see Jesus and His Kingdom as the answer to our world.

World Geography I

Grade Level - 11, 12

0.5 credit

This World Geography course will study the relationship of earth's land, water, and climate with the human beings living on it. In analyzing a regions landforms, resources, climate, culture, religion, people, and government, the student will not only understand more about the world he lives in, but may also inspire a heart for missions at home or abroad. Students will use a mixture of textbook and primary and secondary sources to learn vocabulary, understand and create maps, and demonstrate knowledge of people groups. World Geography I will examine the US, Canada, Latin America, Europe, North Africa, Southwest Asia, and Central Asia.

World Geography II**Grade Level - 11, 12****0.5 credit**

World Geography II will be a continuation of World Geography I (see description above). Students will examine Africa South of the Sahara, South Asia, East Asia, and the Pacific Islands. World Geography I is not a prerequisite.

General Electives

Art I - Sketching**Grade Level - 10, 11, 12 0.25 credit per semester**

Whether you consider yourself a beginner or an experienced artist or none at all, this class is designed to take your skill to the next level. We will work through a series of drawing exercises to train the eye to see things from an artist's perspective, using the book *Drawing on the Right Side of the Brain*. More advanced classes may include paints, murals, sculpture, and design elements. Expect some assignments.

Crafts**Grade Level 10, 11, 12****0.25 credit per semester**

This class is designed as a hands on class. The class will be primarily project based and exploratory. Most projects will be graded with the use of a rubric. Participation will count heavily in this class.

Graphic Design I**Grade Level 10, 11, 12****0.5 credit**

Intro to Graphic Design is an exposure course. It will provide a time and place for the student to learn basic principles of design and explore Adobe Photoshop and Illustrator. The course will be designed around projects and online tutorials.

Graphic Design II**Grade Level 10, 11, 12****0.5 credit**

The focus will be on InDesign and the Story of Design. In this advanced graphics design course, you will build company newsletters, brochures, and annual reports in InDesign. This class will also focus on the history of design and include regular reading homework and quizzes.

Newspaper**Grade Level 11, 12****0.25 credit**

This class involves planning and creating a monthly school newspaper. It will include communication aspects such as writing, photography, and design. A special emphasis will be placed on public relations and cultivating school spirit.

Photography Grade Level 10, 11, 12 0.25 credit per semester

In this class you will spend the first quarter of the semester exploring both technical and artistic aspects of photography. This will first involve a study of your camera's auto modes, aperture, ISO, shutter speeds, exposure, focus, and other functions within the photographer's control. We will also study good perspective and composition from the work of professionals, and observe the extraordinary role light can play in your photographs. Each of these topics will be followed by hands-on task or assignment. Learn to think visually, tell a story, and watch for the decisive moment when composing photographs. This class will involve experiential learning as well as instructional time in the classroom. There will be weekly assignments and occasional quizzes.

Students should have their own camera with these requirements: Digital Canon model (unless otherwise approved--must be able to manually control ISO, shutter speed, and aperture), 3x or more zoom, camera's instruction manual !!IMPORTANT! An extra set of charged batteries must be present every class.

The following quarter will involve photo editing using Photoshop Elements 7, a software program for photo enhancement and design.

Work Study Grade Level - 12 1.00 - 2.00 credits

Work study provides a learning opportunity for students to work toward their life goals by learning a trade, skill or knowledge not available in the classroom. Students must attend school a minimum of four hours each day and carry a minimum of four academic credits. The student needs to be employed by an approved employer the rest of the school day.

Yearbook Grade Level – 11,12 0.50 credits

The goal of this class is to produce the THMH Silhouettes, a book collecting the memories of our year. Taking pictures, writing, and design are the parts of the hands-on skills learned in this class, while working in a group and long range motivation are personal skills developed in this class. The class is split between guys and girls so it can run on the off day of Phys Ed.