

2009-2010

HIGH SCHOOL

CURRICULUM GUIDE

Equipping students for a life of faith and learning

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INTRODUCTION

The purpose of this guide is to provide the student and his/her parents with a brief description of all required, recommended, and elective high school course offerings at Western Mennonite School.

Please study this guide carefully and make choices that reflect your future goals and ambitions. Descriptions are written so that you know what will be expected of you in each class. It is our hope that you will choose courses that will best prepare you for your future goals and that will help you to live a life of faithful discipleship as reflected in the life of Jesus Christ.

Contact the guidance office for assistance with your selections for the next year and for planning your total high school program. Parents are urged to call for answers to any questions they may have regarding their student's program.

GUIDELINES AND PROCEDURES

1. Be aware of the school's graduation requirements. (See the following two pages.)
2. Students must select classes/courses to fill seven periods per day. Only one of these periods may be a study hall, tutoring, or other non-credit class.
3. Incoming freshmen will meet with the Guidance Counselor and create a four-year plan; this plan will be reviewed and updated yearly.
4. Read the course descriptions carefully before selecting a class. Check the prerequisites. If you are uncertain about what will be expected of you in a specific course, contact the guidance office or a member of the department that is offering the course.
5. If there is insufficient demand for a certain course, it may not be offered. In such cases, students will be asked to choose another course.
6. In classes where enrollment must be limited, preference will be given to upperclassmen.
7. Certain courses involve additional costs. These charges are listed in the registration materials.
8. Lost books will be charged to the student's account.
9. Students desiring to take any course through other institutions or programs must apply through the guidance office.
10. Any deviations from the standard required coursework for graduation must be approved by the Principal; curriculum deviations are only made in rare circumstances.

GRADUATION REQUIREMENTS

To receive a standard diploma from Western Mennonite School, the following criteria must be met:

1. Attendance in high school for eight, full semesters including mini-term participation each year and Bible each semester.¹
2. Enrollment in school throughout the regular school day. The regular school day is from the beginning of first period to the end of last period in the day.²
3. Completion of all special teacher and administrator requirements relating to school policy.
4. Satisfactory completion of 25 credits (each semester is ½ credit) including all of the courses on the Standard High School Plan. Satisfactory completion means to have received a grade of A, B, C, or D. A grade of C- or better in 16 core classes is required to meet OUS and many other university entrance requirements.
5. Students may select the standard plan or the honors plan. The Standard Plan meets requirements for entry into a community college, trade school, and a small number of open admissions colleges and universities. The Honors Plan meets the requirements for entrance into moderately to highly selective universities and colleges, OUS system, and NCAA system. It includes two years of global languages and a minimum of 16 core class credits. All core classes must be completed with a grade of C- or better.
6. Specific course requirements for each graduating class can be downloaded from the school website (www.westernmennoniteschool.org)

¹Bible and Mini-Term requirements may be modified for transfer students. Transfer students may need additional elective credits to meet graduation requirements.

²Exceptions to this requirement must be worked out between the Principal and the parents.

Subject Comments and Descriptions

Math: Students should take the most challenging courses that they are able to complete successfully. Specific math courses will vary depending upon student ability. Algebra I is the minimum level of math that counts towards high school graduation requirements.

English: English courses combine writing, literature, and higher-level analysis. Senior English consists of two individual semesters. The second semester students select based upon interest and life goals.

Bible: Freshmen and sophomores take full-year Old Testament/New Testament Survey courses. Juniors and seniors select from semester-long Bible electives; two out of the four electives will be a Church History course and Bible Book studies.

Science: Students who complete Physical Science and Biology successfully are encouraged to continue on to Chemistry, Physics, and/or Human Anatomy and Physiology (most colleges require 3 years of science in high school).

Health: Students take one semester of health in their freshman year and one semester in their junior year.

PE: Students take one semester of PE in their freshman year and one semester in their sophomore year. Sophomores, juniors, and seniors who participate in sports may substitute this for their PE credit - $\frac{1}{4}$ credit for each sport season completed successfully with a maximum of $\frac{1}{2}$ credit.

World Language: Most colleges prefer or require two years of the same world language. Students are encouraged to learn Spanish to equip them for future service, ministry, and educational opportunities.

Fine Arts/Applied Arts: Students meet this requirement by taking two semesters of Fine Arts or Applied Arts during their freshman year.

Social Science: Students take one semester each of Geography, Global Citizenship, Government, and Economics and two semesters of US History.

Career Education: Students take a one semester course in Career Education their senior year. In addition, students participate in a variety of career related learning experiences and have regular meetings with the Guidance Counselor for assistance with career, college, and service exploration and planning.

Mini-Term: All students participate in a one-week mini-term at the end of second semester. These courses provide opportunities for service learning, cultural awareness, and/or intensive study of a focused academic area.

MINI-TERM

Mini-term is a unique and integral part of Western's curriculum. For the last five to seven days of school, students complete an intensive course of study. Often the course is taught off campus. Students earn 1/4 credit during each Mini-Term. Successful completion of Mini-Term each year is a requirement for graduation at Western Mennonite School. The goals of individual mini-terms correlate with Western Mennonite School's Mission Statement and our emphasis on equipping students for a life of service beyond our campus circle. Activities are planned to help students explore the unknown, become exposed to the needy world around us, and expand student awareness of other cultures and people.

To give an idea of possible mini-terms offered, the following is a partial listing of mini-terms offered in the recent past: drama, backpacking, day hikes, working with Hispanic Mennonite churches in Oregon, photography, astronomy, and inner-city service experiences.

APPLIED ARTS/FINE ARTS DEPARTMENT

129010

LIVING SKILLS:

Elective: 9, 10, 11, 12

Credit: 1/2

This course is a practical look at contemporary living skills. The major areas of focus include money management, meal preparation, home maintenance, simple sewing and automotive care & ownership responsibilities.

Prerequisite: none

104171

WOODWORKING:

Elective: 9, 10, 11, 12

Credit: 1/2

This introductory course is designed to expose the student to the tools and terminology used in the building of wooden projects. Students will be required to build projects according to their abilities, while broadening their skills and learning new concepts.

Prerequisite: none

111710

DIGITAL PHOTOGRAPHY

Elective: 9, 10, 11, 12

Credit: 1/2

Students will learn digital photography while working at their own individual skill level. Using the digital camera of their choice, they will explore lighting, color, texture, composition, and other subject matter to achieve a solid grounding in both technical and creative photographic processes.

111720

VIDEOGRAPHY:

Elective: 11, 12

Credit: 1/2

Students will learn to create, film, and edit short films. How to use computer editing software, digital video cameras, and script writing will be some of the skills learned in this class. The main focus will be on using the art of film making to create an experience and communicate a message.

119311

YEARBOOK:

Elective: 11, 12

Credit: 1

Yearbook students have the responsibility for capturing attitudes, feelings, and events of WMS High School by writing about and photographing campus life for the current year and producing the yearbook, the Pioneer. The course develops students' communication, photography, and design skills through instruction in the principles of yearbook production. Students will design layouts for assigned yearbook pages, using computer software and employing elements of quality photojournalism. Emphasis will be placed on skill development, organizational skills and working together as a team.

(Grade 10 enrolled with permission.)

111620

BASIC ART: Elective: 9, 10, 11, 12 Credit: 1/2
Students are introduced to Art through Design Principles and Design Elements. Assignments include simple exercises/projects utilizing those elements and principles. Students are graded on participation and improvement over the semester.

111622
CERAMICS: Elective: 9, 10, 11, 12 Credit: 1/2
Some art experience is helpful although there are no prerequisites. Skill development is emphasized. Focus is on sculpture, slab, coil and pinch techniques.

111301
CONCERT CHOIR: Elective: 9, 10 Credit: 1
This mixed voice choir is open to freshmen and sophomores. Singers develop good choral singing technique through rehearsal and performance of a wide variety of choral literature. Emphasis is on developing musicianship, sight-reading skills, and music appreciation. **Participation in concerts is required.** Prerequisite: none

111305
A CAPPELLA CHOIR: Elective: 11, 12 Credit: 1
This mixed choir is the main touring choir of WMS. A cappella members participate in on-campus concerts, several area festivals, a spring tour and seasonal community activities. Through high-quality literature, members learn choral singing techniques, musicianship, performance etiquette, and music appreciation. Their visibility in the community teaches public relations and gives the choir the opportunity for ministry. Members sing sacred and secular works from all periods of music history and from numerous cultures. **Participation in all concerts is required.** Prerequisite: 1st semester, none; 2nd semester, solo audition

111307
WESTERN SINGERS: Elective: 11, 12 Credit: 1/2
This select chamber choir is chosen from A cappella through auditions. Members sing a wide variety of the most challenging choral repertoire from all periods and numerous cultures. Western Singers represents WMS in a variety of musical activities on and off campus, including public events, tours through the greater Willamette Valley, and a spring tour. Prerequisite: Solo audition; at least one year of prior choral experience.

111201
BAND ENSEMBLE: Elective: 9-12 Credit: 1
Students supply their own instruments. Developing technique, music-reading, rhythm, musicianship and ensemble skills are emphasized. Students are required to participate in concerts throughout the year. Prerequisite: consent of instructor

111131
DRAMA I/ INTRO TO THEATRE Elective: 9, 10, 11, 12 Credit: 1/2
This course will teach students about the various types of drama and introduce improvisation and pantomime acting. Students will learn how to develop character, read and analyze play texts, hold critical discussions on theatre, and look for the hand of God in secular and religious theatre. This class will include at least one field trip to see a local theatre performance. Prerequisite: None

111131

DRAMA II/ THEATRE ARTS

Elective: 10, 11, 12

Credit: 1/2

This course will build on the foundations learned in Intro to Theatre. Students will work on character development and acting in the moment. Stanislavski and Meisner techniques will be discussed and practiced in classroom exercises. Students will also develop as directors, perform exercises in playwriting and be introduced to the technical elements of running a light and sound board during one act plays in the Spring. This class will include at least one field trip to a local theatre performance.

Prerequisite: Intro to theatre or instructor approval

BIBLE DEPARTMENT

Both the Old Testament and New Testament course are full year courses, offered on alternate years in combined 9th and 10th grade classes. They are required for 9th and 10th grade students. Bible courses offered for 11th and 12th grade students are semester-length and are elective. They presume basic Bible knowledge. Juniors and seniors are required to take at least one semester of a church history course. Memorization is required in all Bible courses.

126011

ESL Introductory Class:

Elective 9, 10, 11, 12

Credit: 1/2

Students will begin with basic stories of the Old Testament and an introduction to Christ. Basic sentence structure and English grammar is taught over fourteen weeks.

Course Materials: *What Do Christian Believe?* A Bible in the student's native language and in English.

126122

ESL Basic English Skills and Basic Bible Studies:

Elective 9, 10, 11, 12

Credit: 1/2

Students will grow in usage of basic English skills of writing, research, power point slide shows, and speaking opportunities. Students will learn about the New Testament and how to do Bible Studies and to research information with their Bibles.

Course Materials: *Basic Bible Studies in English*, a Bible in the student's native language and in English.

126151

ESL Research and Writing Skills Class:

Elective 9, 10, 11, 12

Credit: 1/2

Students will begin to use the English language in MLA format. Students will use writing skills of journaling and short story writing. Students will be asked to research news articles and use the internet to practice English skills. Grammar skills are practiced in the context of writing. Students will be asked to write character analysis' as well as research specific people in history.

Course Materials: Computer Use/Library Time, *The Life of Jesus Christ*, a Bible in the student's native language and in English.

126352

ESL Media and Journalism Class:

Elective 9, 10, 11, 12

Credit: 1/2

Students will be exposed to basic journalism skills of brainstorming, interviewing, writing newspaper articles, research, editing, and computer skills of power point layouts, brochure making, and newspaper layout. Students will use their English skills through the medium of journalism to learn about different types of writing. Students will use this medium of writing to learn about American Culture and the diverse people that make up our country.

Course Materials: Computer Use/Library Time, *How Christians Grow*, a Bible in the student's native language and in English.

126113

NEW TESTAMENT:

Required: 9, 10

Credit: 1

This course is a general overview of the New Testament, its historical context, and the theological issues with which the early Christian community struggled. The class will study key blocks of the New Testament canon through reading, worksheets, class discussions and questions, Bible memory and projects. Through the study, students will have the opportunity to see the way the New Testament presents the implications of the good news of Jesus Christ, and to make the Christian faith their own.

Prerequisite: none

126111

OLD TESTAMENT:

Required: 9, 10

Credit: 1

This course is a general overview of the Old Testament, its historical context, and the theological issues presented in its stories and other literature. The class will study key parts of the Old Testament canon through reading, worksheets, class discussions and questions, Bible memory and projects. Through the study, students will have the opportunity to see the history of the LORD with our ancestors in the faith, and to make the God of Israel their God.

Prerequisite: none

126010

CHURCH HISTORY:

Elective: 11, 12

Credit: 1/2

This class is a sweeping survey of the history of the Church. Through it we hope to learn to appreciate the motives behind decisions made by our ancestors in the faith and how they impacted the Church today. Hopefully we will also see the Holy Spirit's working, despite the imperfections. A major project may be required.

Prerequisite: none

126014

MENNONITE FAITH:

Elective: 11, 12

Credit: 1/2

This course studies the theological contributions to Christian thought made by the Anabaptists within the context of the medieval Church and the Reformation movement as they relate to current Mennonite thinking. This course is intended to enable students to evaluate their own faith traditions and to assess other Christian denominations with respect and fairness. A major project may be required.

Prerequisite: none

126352

CHRISTIAN LIFE AND STEWARDSHIP:

Elective: 11, 12

Credit: 1/2

The course leads the student to look at how personality, temperament, family background, life experiences, and social development shape and guide one's lifestyle choices. Issues of identity, friendship, singleness, sexuality, marriage, family, and money and natural resource stewardship will be explored through speakers, videos, reading, journaling, class discussions, projects, and lectures. The context for all aspects of course study will be exploring the biblical values of being good stewards of all we are given to be faithful disciples of Jesus Christ.

Prerequisite: none

126310

MEDIA AND FAITH ISSUES:

Elective: 11, 12

Credit: 1/2

This course helps students see media as an industry and as a communicator of values. Students will learn media literacy skills to critically evaluate media and its messages. Various forms of media will be studied: movies, TV, music, newspaper and other print media, and the internet. Special emphasis will be given to advertising and news coverage and their impact on shaping our beliefs, values, and choices. Student's viewpoints about the media will be challenged through critical essay writing, speakers, and field trips.

Prerequisite: none

126360

FAITH JOURNEY:

Elective: 11, 12

Credit: 1/2

In this course, students will explore the faith journey of those that have come before us, and their own personal faith journey. A theme of the class will be studying and experiencing the spiritual disciplines. Students will be challenged to know what their beliefs are, how they have been shaped by their beliefs, and to begin to see the vision God has for their future. Learning activities will include scripture memory, journaling, writing spiritual autobiography, and practicing the presence of God through exercises in the spiritual disciplines. Prerequisite: none

126118

I CORINTHIANS:

Elective: 11, 12

Credit: 1/2

This course uses the text of the book of I Corinthians as the basis for discussing the Church and its problems, both within its first century context as well as the contemporary context. It examines the influence of the apostle Paul upon this book of our Scriptures. A major project may be required. Prerequisite: none

126114

SERMON ON THE MOUNT:

Elective: 11, 12

Credit: 1/2

This course uses the text of Matthew 5-7 as the basis for discussing the implications of Christian discipleship, both in the historical context of biblical times, as well as for us today. A major project may be required. Prerequisite: none

126116

GOSPEL OF LUKE:

Elective: 11, 12

Credit: 1/2

We will study the life and teachings of Jesus Christ in the gospel according to Luke. We will try to understand what it meant for the Church during the time of the gospel writer, and look at how it informs our lives as Christians today in N. America. A major project may be required. Prerequisite: none

126117

GOSPEL OF JOHN

Elective: 11, 12

Credit: 1/2

This course is designed to help students become familiar with the Gospel of John. Students will gain insight into the author of the text, the uniqueness of this gospel compared to the synoptic gospels. Students will be challenged to do critical readings of the gospel, devotions, as well as do inductive studies, and memory verse work with the text. The theme of the class is, "Who do you say that I am?"

BUSINESS/CAREER EDUCATION DEPARTMENT

102041

KEYBOARDING: Elective: 9, 10, 11, 12 Credit: 1/2

This course is designed to develop basic skills for personal, collegiate and business use of the computer. The student will learn mastery of the keyboard and related word processing skills and efficient work habits.

Prerequisite: none

116030

CAREER EDUCATION: Required: 12 Credit: 1/2

Emphasis will be placed upon developing job search skills, taking a personal inventory, and various interest inventories to determine personal strengths and weaknesses. Each student will research a number of careers and service opportunities. Resume writing is stressed and students participate in mock interviews. A major portion of the grade is earned by completing a job shadow and service experience.

Prerequisite: none

102071

ACCOUNTING I: Elective: 10, 11, 12 Credit: 1/2

This course is designed for students who desire entry-level employment in a small business and for students who may wish to pursue a college business major. The course includes the full cycle of double-entry accounting, journaling in the general and special journals, posting to general and subsidiary ledgers, preparing schedules and financial reports.

Prerequisite: none

102072

ACCOUNTING II: Elective: 10, 11, 12 Credit: 1/2

This course is designed for students who desire entry-level employment in a small business and for students who may wish to pursue a college business major. The course includes the full cycle of double-entry accounting, journaling in the general and special journals, posting to general and subsidiary ledgers, preparing schedules and financial reports. It also teaches the handling of sales tax, payroll, depreciation and investing in the context of a sole proprietorship and a partnership.

Prerequisite: Accounting I; C average

102073

ACCOUNTING III: Elective: 10, 11, 12 Credit: 1/2

Students will review the basic accounting cycle before getting involved in advanced accounting methods used by corporations including: use of specialized journals, accounting for uncollectible accounts, depreciation, inventory, dividend distribution, cost analysis, and management accounting.

Prerequisite: Accounting I & II; C average

127630

BUSINESS LAW Elective: 9-12 Credit: 1/2

This course is offered as an independent study. It introduces our legal system, legal vocabulary, and legal concepts in the context of business organizations. Students examine actual case studies from a legal and ethical viewpoint and prepare all answers in written form. A research paper about an active case in court is also required.

118020

MARKETING Elective: 10-12 Credit: 1/2

This course is offered as an independent study. It introduces the basic concepts of marketing, the free enterprise system, and selling and promotion. Students also complete a marketing simulation or project as part of this course.

Prerequisite: Accounting I & II

108220 (office), 108230 (teacher), 108250 (library)

AIDE:

Elective: 11, 12

This course allows students to gain valuable work-based learning experience on the WMS campus. Attendance, punctuality, work habits, and a positive attitude are emphasized. Specific job duties may include teacher's aide, office aide, tutoring, computer/office work, counselor assistant, food service, maintenance, custodial, grounds keeping, and other projects as assigned by their supervisor.

COMPUTER DEPARTMENT

103021

MICROSOFT OFFICE APPL:

Elective: 10, 11, 12

Credit: 1/2

A practical study of the uses of computers in society by learning with hands on applications. Microsoft Office includes: word processing, spread sheets, databases, power point, information technology and internet usage. Most colleges require this course for college graduation.

Prerequisite: Algebra I

103241

VISUAL BASIC PROGRAMMING:

Elective: 10, 11, 12

Credit: 1/2

This course is a study of the use of computers and how they work. This course teaches students how to program a computer in Visual Basic. Improving logical thinking and problem solving is emphasized. If time permits, two weeks are spent learning basic HTML for creating web pages.

Prerequisite: Algebra I

107070

AUTO CAD:

Elective: 11, 12

Credit: 1/2

This is an introductory course in Auto Computer Aided Design (CAD) or drafting on a computer. Students will learn the basics of three dimensional drawing on a computer by using the program called Rhinoceros.

Prerequisite: a previous computer class

103234

INDEP. COMPUTER STUDIES:

Elective: 11, 12

Credit: 1/2

This is an opportunity for students that want to continue computer studies beyond the introductory Computer Programming class to study more advanced topics.

Prerequisite: Computer Programming

103051

WEB DESIGN

Elective: 10, 11, 12

Credit: 1/2

This course will introduce the basic elements of developing web pages. Student projects will be created with HTML. The main class project will be the design, development, creation, and maintenance of a local business's or church web page and continued maintenance of the school's web site. Class size limited to 10 students.

Prerequisite: Microsoft Office and Visual Basic

ENGLISH DEPARTMENT

110011

ENGLISH I: Core Required: 9 Credit: 1

English I is designed as an introductory high school English course. A wide variety of material will be covered, focusing primarily on literature, composition, and the writing process. Units to be covered include: composition, short story, novel, drama and poetry. Speaking skills, vocabulary and grammar instruction and research tools will be taught periodically throughout the year.

Prerequisite: none

110021

ENGLISH II: Core Required: 10 Credit: 1

This two semester course integrates the study of reading, writing, language usage, research, speaking skills, and vocabulary. Major readings include Shakespeare's *Julius Caesar* and *Of Mice and Men* as well as at least 4 approved novels for book reports. Students produce a research project using MLA standards and formatting. Literature selections emphasize theme, irony, and symbolism. The study of organization skills, grammar, spelling, and vocabulary reinforces students' writing and speaking skills.

Prerequisite: English I

110031

ENGLISH III: Core Required: 11 Credit: 1

This is an upper level English course which examines literature and composition, with units built around a chronological study of American literature. Themes and trends in the literature of the United States' different time periods and people groups will be examined, and a variety of genres will be explored. Systematic vocabulary study, continued review, and exercise of English writing conventions will be incorporated in the course of study throughout the year. A 6-8 page research paper will be completed as part of this course.

Prerequisite: English I, II

110081

ADVANCED ENGLISH III: Advanced Core: 11 Credit: 1

This course is a more academically demanding version of English III. Students are required to read additional advanced literature, demonstrate mastery and deeper understanding in their writing assignments, and learn higher-level vocabulary.

Prerequisite: Teacher Approval

110040

ENGLISH IV Core Required: 12 Credit: 1/2

English IV is designed as a higher level 12th grade English course. The material offered in this course covers a broad area but focuses primarily on British Literature with an emphasis on works written before the 18th century. Significant readings include *The Canterbury Tales* and *Macbeth*. There is a heavy focus on writing and literature interpretation. Grammar and vocabulary will enrich and enliven the course material.

Prerequisite: English III

110121

ADVANCED ENGLISH IV Advanced Core: 12 Credit: 1/2

This course is designed as a higher level English IV course. The material offered in this course covers a broad area but focuses primarily on British Literature written before the 18th century. There is a heavy focus on writing and literature interpretation. Grammar and vocabulary will enrich and enliven the course material. Advanced students have additional reading requirements and will be graded on a tougher rubric more specifically geared towards analysis and critical thinking about the literary works we are studying.

Prerequisite: Teacher Approval

110812

SPEECH & ORAL INTERPETATION: Core Elective: 12 Credit: 1/2

Designed to give practical and intensive instruction in oral communication, this course provides students with opportunities to plan, develop, and deliver a variety of speeches including informative speech, persuasive speech, oral interpretation/ performance, newscast, and debate.

Prerequisite: English III

110102

NOVEL: Core Elective: 12 Credit: 1/2

Students will read novels on diverse subjects and from many time periods. They will complete written responses, participate in group discussion, and make class presentations in order to practice critical thinking and analytical skills. Students will also analyze several classic movies as works of literature.

Prerequisite: English III

110112

ADVANCED NOVEL: Advanced Core: 12 Credit: ½

This course is designed as a honors level Novel course. Students read novels on diverse subjects and from many time periods. They will complete written responses, participate in group discussion, and make class presentations. Advanced students have additional reading requirements and will be graded on a tougher rubric more specifically geared towards analysis and critical thinking about the literary works we are studying. Students will also analyze several classic movies as works of literature.

Prerequisite: Teacher Approval

MATHEMATICS DEPARTMENT

120211

PRE-ALGEBRA: Elective Credit: 1

Students will progress from working with numerical expressions to manipulating algebraic expressions. The course seeks to develop thinking skills, the use of concrete experiences, and exploration. Coursework includes inequalities, an introduction to probability, geometry concepts and graphing linear equations.

Prerequisite: none

120311

ALGEBRA I: Core Credit: 1

This course is a continuation of Pre-algebra. This study begins with a review of the nature and structure of the number systems and the properties of number and algebraic terms. Students solve quadratic equations and systems of linear equations both algebraically and graphically. They perform fundamental operations upon polynomial and rational fractions and manage simple algebraic operations.

Prerequisite: C average in Pre-Algebra

Geometry Math Credit can be fulfilled with either of the two following full year courses.

120231

DESCRIPTIVE GEOMETRY: Core Credit: 1

This is a full year course in geometry with limited use of formal proofs. It is designed to be a less rigorous course of study than a traditional geometry course. Use of logical thinking and practical applications is emphasized throughout this course. This course covers the important geometric concepts, introduces Trigonometry and its practical applications while strengthening fundamental algebra skills.

Prerequisite: Algebra I

120341

GEOMETRY: Core Credit: 1

This course in plane geometry is designed to develop logical thinking and deductive reasoning skills through a study of both formal and informal geometry, where both proofs and practical applications are stressed in the learning experience. This course develops the important geometric concepts and introduces Trigonometry. Prerequisite: B- or higher in Algebra I

120351

BRIDGE TO ALGEBRA II Core Credit: 1

This course will explore practical mathematical applications with a focus on reinforcing algebra skills. Topics will provide students an opportunity to connect real-world math problems with algebra. This course is designed for students who have 2 years of math credit but are not yet ready for Algebra II. Prerequisites: 2 years of high school math credit including Algebra I

Students entering Western for the first time will be required to take a math placement exam to enter Algebra II, Pre-Calculus, or Calculus.

120411

ALGEBRA II: Core Credit: 1

This course begins with a rapid review of topics and the skills developed in Algebra I. These are expanded and studied in greater depth. Fresh topics include: complex numbers, matrices, quadratic equations and higher order polynomials, power and inverse functions, exponential and logarithmic equations, and probability and statistics. A variety of word problems are investigated. Prerequisite: B- or better in Geometry

120531

PRE-CALCULUS: Advanced Core Credit: 1

This is a college-level course equivalent with most College Algebra and College Trigonometry courses. First semester is the study of functions and includes polynomial, rational, exponential, logarithmic, piece-wise defined, complex numbers and sequential functions. Second semester is the study of trigonometric functions and topics in analytic geometry including conic sections, parametric equations, vectors and polar coordinates. COLLEGE CREDIT OPTION.

Prerequisite: B- or better in Algebra II

120551

CALCULUS: Advanced Core Credit: 1

This is a college-level course equivalent with most Differential and Integral Calculus courses. First semester is the study of functions and their rates of change, the definite integral, differentiation techniques, and the characteristics and applications of the first and higher order derivatives. Second semester includes the study of the construction of functions from their rates of change, integration techniques, applications of integration and an introduction to differential equations. COLLEGE CREDIT OPTION. Prerequisite: B- or better in Pre-Calculus

PHYSICAL EDUCATION/HEALTH DEPARTMENT

114010

FRESHMAN HEALTH: Required: 9 Credit: 1/2

A general study of the various body systems and the diseases which can attack them. Concepts of self-image, personality traits, and how to deal with stress are also emphasized. Homework consists of writing assignments, doing various reports, and reading each chapter in the textbook.

Prerequisite: none

114012

JUNIOR HEALTH Required: 11 Credit: 1/2

A study of relational topics such as courtship and marriage. Other topics include abortion, and drug and alcohol abuse. Homework consists of writing assignments, doing various reports and readings.

123011

BASIC PHYSICAL EDUCATION: Required: 9 Credit: 1/2

Develops skills in new and old games. The student will receive opportunities to play in team situations and on an individual basis. Tests are given on individual skills in each game and on the rules of the game. This course is required of all freshmen.

Prerequisite: none

123013

ADV. P.E. & CONDITIONING: Elective: 11, 12 Credit: 1/2

Gives the students an opportunity to develop their skills, concepts, sportsmanship, and teamwork in the following areas: flag football, basketball, recreational games, pickle ball, soccer, badminton, plyometrics, floor hockey, softball, tennis, Frisbee football, ultimate Frisbee and volleyball. Conditioning is done at the start of each class through each activity played during the period, with 2 days spent entirely on conditioning activities. The remainder of the period on the other 3 days is spent in weight training and some of the above activities.

Prerequisite: Basic P.E.

123110

P.E. CREDIT FOR SPORTS: Elective: 10, 11, 12 Credit 1/4

Students in grades 10, 11, and 12 may earn 1/4 Physical Education credit by participating and completing an athletic season at Western Mennonite School. The maximum credit granted in this way will be 1/2 credit. Upon completion the student will receive a grade of Pass.

123250

SPORTS SPECIFIC P.E. Elective: 10, 11, 12 Credit 1/2

This course will consist of dynamic flexibility plyometric speed, agility and jump sole training along with skill improvement and conditioning for the athlete who is serious about enhancing their overall athletic performance.

Prerequisite: Basic P.E.

SCIENCE DEPARTMENT

117031

INTRODUCTORY PHYSICAL SCIENCE: Required: 9 Credit: 1

This course helps students to understand some of the basic principles of physical (that is, non-biological) science and to gain useful laboratory skills. It also leads students to develop their reasoning skills. One goal of the course is to accumulate evidence that atoms really exist. Another goal is to learn the relationship of force, motion and energy. This is done by guided reasoning based on the results of students' own experiments.

Algebra I is recommended as background.

117111

GENERAL BIOLOGY: Required: 10 Credit: 1

This course includes an in-depth study of the functions of the cell, chemical reactions, genetics, classification of organisms, ecology, and the study of human systems. Laboratory and field work, projects, and research papers are included learning activities. Prerequisite: none

117211

CHEMISTRY: Advanced Core: 11, 12 Credit: 1

Chemistry is an introduction to the study of matter: How many kinds are there? What are they like? How do they change from one kind to another? This course explores topics like atomic structure, the mole, chemical reactions, formulas and names for compounds, atomic theory, chemical bonding, and other topics as time allows. Special emphasis is given to problem solving by dimensional analysis. Also highlighted is evidence scientists have uncovered that the universe was designed by an Intelligence, namely God, who has revealed Himself in Scripture.

Prerequisites: Biology, Algebra I

117311

PHYSICS: Advanced Core: 11, 12 Credit: 1

Physics is for students who are curious to understand what makes their world "tick": from galaxies and stars to everyday things like heat, light, sound and electricity. Students will also study the atom, radioactivity, nuclear energy, quantum theory and Einstein's theory of relativity. We will use the popular curriculum, *Conceptual Physics*, and build many projects, including robots, so there will be an emphasis on engineering. Included also is physical evidence that the universe was designed by God. We will examine objectively ideas both of recent creation and Big Bang cosmology

Prerequisites: Alg. I and II, Chemistry (recommended)

117131

ANATOMY & PHYSIOLOGY Advanced Core: 11, 12 Credit: 1

This course is designed to introduce students to the structure and function of the human body. It focuses on the different body systems and how they interact with each other. This course is for those going into health-related professions, biology majors, and anyone else interested in understanding body systems. Prerequisite: General Biology

SOCIAL SCIENCE DEPARTMENT

127010

GLOBAL GEOGRAPHY: Core Required: 10 Credit: 1/2

This course is an overview of the world's people, places and environments and focuses on the interrelatedness of the world's regions and cultures. Emphasis is placed on the physical, political, social, economic, and cultural aspects of some of the areas of the world. Along with practical map skills, the relationship between current issues and global interdependence is an integral part of this course. Prerequisite: none

127211

U.S. HISTORY TO 1877: Core Required: 11 Credit: 1/2

This course is a survey of early U.S. history through the period of Reconstruction. The growth of the United States as a multi-cultural society will be examined giving careful attention to the impact of Native Americans, Africans, and other Non-European peoples. Other topics covered are the motivation of European explorers and colonial establishments, multiple causes for the American Revolution, the concept of Manifest Destiny, the causes and impact of the Civil War, and the successes and failures of Reconstruction. Various interpretations of history, primary sources, reading comprehension, written expression and research skills are highlighted.

127212

U.S. HISTORY 1877 TO PRESENT: Core Required: 11 Credit: 1/2

This course is a survey of U.S. history since the period of Reconstruction. America's rise as the dominant world power is evaluated. Other topics covered are the force of western expansion, impact of different immigrant waves, challenge of urbanization, inequalities of women and African Americans, consequences of American imperialism, factors that drew the United States into World War I, lasting impact of the Great Depression, influence of the United States role in World War II, the nature of the Cold War era, the connection between the Civil Rights Movement and minority rights issues today, and implications of the Vietnam War. Both cultural and foreign policy conflicts are emphasized. Various interpretations of history, primary sources, reading comprehension, written expression and research skills are highlighted. Prerequisite: none

127300

AMERICAN GOVERNMENT: Core Required: 12 Credit: 1/2

This course is designed to be an introduction to government, with a specific concentration on the American system. Various types and theories of government are examined, along with the origins of the American government system. The federal system, public policy, and the spiritual and moral implications of participation in the government system are also discussed.

127020

GLOBAL CITIZENSHIP: Core Required: 12 Credit: 1/2

This course is designed to equip young disciples for the privileges and responsibilities of citizenship in the 21st century in the local, national and world contexts. Current global economic, environmental and spiritual challenges are emphasized. Students focus on specific needs facing the world community as a whole. Opportunities for active citizenship locally, nationally and globally are emphasized. It is also hoped that through the knowledge gained from this course students will respect and value diversity, become more willing to act to make the world a more equitable and sustainable place, and take responsibility for their actions and the actions of their country. Prerequisite: Global Geography

127410

ECONOMICS:

Core Required: 12

Credit: 1/2

This course examines the allocation of scarce resources and the economic reasoning used by people as consumers, producers, savers, investors, workers, voters, and as government agencies. Key elements include the study of scarcity, supply and demand, market structures, the role of government, national income determination, money and the role of financial institutions, economic stabilization, and trade. Prerequisite: none

127710

PSYCHOLOGY:

Advanced Core: 11, 12

Credit: 1/2

As an introduction to the science of psychology, this course provides an opportunity to observe, experience, discover, and evaluate principles relating to different aspects of behavior and thinking. Some topics that are covered in the course include the history of psychology, research methods used in psychology, the study of psychology in it's domains (developmental, cognitive, socio-cultural, etc.), treatments of psychological disorders, how psychology relates to other subject matters, careers in psychology, and social and cultural dimensions of behavior. The text, audio-visuales, periodicals, classroom discussions, observation of self and others, etc. are used to better understand ourselves and others. COLLEGE CREDIT OPTION. Prerequisite: none

127750

SOCIOLOGY:

Advanced Core: 11, 12

Credit: 1/2

As an introduction to the scientific study of sociology, this course provides an opportunity to study society, patterns of social relationships, culture, group organization, deviances, and social change. The history of sociology, fundamental assumptions, basic concepts, and major findings of sociology make up the central focus of the course. American society is analyzed in order to understand social structure, social institutions, power, and social problems (i.e. racism) with an orientation towards creative and responsible social change.

Prerequisite: Psychology or by Permission of Instructor

WORLD LANGUAGES DEPARTMENT

112011

SPANISH I:

Core: 9, 10, 11, 12

Credit: 1

This course provides students with the opportunity to develop basic communication skills in Spanish. Students acquire skills in listening, speaking, reading and writing as they become acquainted with the cultures and peoples of the Spanish-speaking world.

Prerequisite: none

112013

SPANISH II:

Core: 9, 10, 11, 12

Credit: 1

The course helps students build on the basic communication skills acquired in Spanish I. Students learn to express themselves on a variety of topics and to communicate in a range of verb tenses. This course also provides students with an opportunity to examine some of the unique contributions of Spanish-speaking people as well as challenges faced by Spanish-speaking countries.

Prerequisite: Approval by permission of teacher

112015

SPANISH III:

Advanced Core: 10, 11, 12

Credit: 1

Students continue to develop their Spanish communication skills and their awareness of the Spanish-speaking world. While learning additional vocabulary and grammar, students communicate in both oral and written form on a range of topics. Students also read from the Bible and are introduced to Spanish literature and art through movies and local articles from Spanish-speaking countries. COLLEGE CREDIT OPTION.

Prerequisite: Approval by permission of teacher

112017

SPANISH IV:

Advanced Core: 11, 12

Credit: 1

Students continue to develop their Spanish communication skills and their awareness of the Spanish-speaking world. They will learn the language through Spanish literature, art, and Spanish language films. They also will debate topics of interest using the Scripture as a foundation for their arguments. COLLEGE CREDIT OPTION.

Prerequisite: Approval by permission of teacher