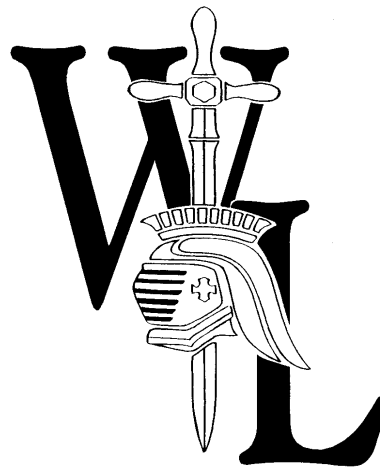


Lutheran High School Westland

2009-10 Academic Handbook



**33300 Cowan Road
Westland, MI 48185
www.lhwl.lhsa.com
Phone: (734) 422-2090
Fax: (734) 422-8566**

Steve Schwecke, Principal
Dan Ramthun, Assistant Principal
Mike Unger, Athletic Director
Tim Gieschen, Guidance Director

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Policies

Accreditation: LHW is accredited by the North Central Association of Colleges, MI Non-Public Schools Association and National Lutheran School Accreditation.

AP Courses: LHW offers Advanced Placement (AP) classes:

- AP US History for juniors – Weighted grade
- AP Calculus AB for seniors – Weighted grade
- Students in Psychology may opt to take the AP exam

Weighted grades: These courses are scored on a 5.0 GPA scale because they are more challenging, require more work, and go into greater depth.

AP Exams: The national AP exams, offered in May, are scored by the College Board on a 5 point scale: 5 (extremely well qualified), 4 (well qualified), 3 (qualified), 2 (possibly qualified), and 1 (no recommendation) are required for all AP classes at LHW. It is the responsibility of the student to pay the test fee (approx. \$95) for each exam.

Advantages of AP courses: AP courses are rigorous, challenging and college level in quality. A college may look favorably on a student who took the challenge of an AP class. College credit may be earned by scoring a 4 or 5 on the exam. Individual colleges (policies will vary) decide which AP Exams will be accepted for credit and determine the qualifying score of 3, 4 or 5.

College Entrance Tests (EXPLORE, PLAN, PSAT, ACT, SAT1, SAT2):

- Universities evaluate a student's ability based on a national college entrance exam – the ACT or SAT. Most colleges accept either. **Colleges in the Midwest prefer the ACT.** Highly selective schools tend to prefer the SAT but accept either test.
- Practice ACT tests are given on testing day: Grade 9 **Explore**, Grade 10 **PLAN**
- Juniors, in March, are required to take an ACT Plus Writing test as part of the **MI Merit Exam (MME)**. LHW registers the student for the MME.
- **ACT Retakes:** Students may retake the ACT on one of the Saturday national test dates in Sept., Oct., Dec., Feb., April and June to improve their scores.
 - > Students register online (www.actstudent.org) at least 30 days before the test date. Each student is responsible for meeting the registration deadlines and submitting the necessary forms and fees (\$30-50)
 - > ACT plus Writing: student retaking must choose the ACT or ACT plus writing. The ACT website (www.actstudent.org) lists the schools requiring writing.
 - > LHW is a test center for most Saturday test dates and for the MME.
- **SAT 1 and 2:** Some highly competitive colleges prefer the SAT I and the SAT II (subject tests). Register at (www.collegeboard.com).
- The practice SAT (**PSAT**) administered on a Wednesday in Oct., is optional for top ranking Juniors who wish to qualify as National Merit Scholars

College Credits while in high School:

LHW students have opportunities to earn college credits while in high school.

1. **Release time:** A junior or senior may enroll as a high school guest student at an area university – Schoolcraft, Henry Ford, Madonna, Concordia, and Eastern. The student pays for tuition and books. The student may miss a maximum of two periods per day. Students should enroll as a guest student earning only college credit – not dual enrollment student. ½ credit of LHW electives will be reduced for each college course completed to keep the student on graduation pace.
2. **College summer school or online:** A junior or senior may take a college level course during the summer.
3. **AP Courses:** A high score on an AP exam may earn college credit.
4. **CLEP tests:** A high school student may take a CLEP test to demonstrate mastery of a subject. CLEP tests are offered at several area universities. The student should check with their target university regarding acceptance of credit BEFORE taking the test. The fee is \$55 per test. See www.collegeboard.com/student/testing/clep/about.html for details.

College Entrance Requirements:

- Colleges admit students based on their GPA (grades 9, 10, 11), ACT score, difficulty of courses, and leadership and involvement in activities.
 - Selective schools : 3.5 GPA and 25 ACT.
 - Universities : 3.0 GPA and 21 ACT Composite.
 - Community colleges: 2.0 GPA and 17 ACT Composite
- College bound students should take:
 - Foreign Lang.:** 2-3 years of the same language
 - Math:** 3-4 total credits (Algebra I and above)
 - Science:** 3-4 total credits
- The student should be involved other activities (athletics, drama, music, clubs, leadership roles, community service).

Credits: Each semester completed awards 1/2 credit.

There are 8 class periods are held each day.

Students must take a minimum of 7 credits each year (Maximum 1 study hall).

Grading Scale/GPA

Only semester grades are permanently recorded on a student transcript. Semester and cumulative grade point averages include all courses taken.

Letter grade	Percent	Standard	AP (weighted)	
A+	97-100	4.0	5.0	Credit earned
A	93-96			
A-	90-92			
B+	87-89	3.0	4.0	
B	83-86			
B-	80-82			
C+	77-79	2.0	3.0	
C	73-76			
C-	70-72			
D+	67-69	1.0	1.0	
D	63-66			
D-	60-62			
S Satisfactory.	Below 60% but excellent effort		1.0 in GPA	
F	50-59	0.0	0.0	No Credit
P Pass	No grade Yes credit	<i>Not used in GPA. Used for Independent Study.</i>		Credit
AU Audit	No grade No credit	<i>May be used with foreign students.</i>		No credit

Graduation:

The principal must approve all graduates.

- Student service hours must be completed, turned in, and approved
- All obligations (academic and financial) must be fulfilled prior to commencement

A senior who is not approved or does not meet the graduation requirements will not be allowed to participate in the commencement service.

- A senior who receives more than one semester "F" in elective courses must make up all but one of those courses to participate in commencement.
- All coursework for online courses or coursework for make-up credits must be completed by May 1.
- The principal may allow a senior to take a summer school course and earn a diploma in early August.

Graduation Requirements:

4 Credits Religion *reduced for transfer students, see below	Rel 9, Rel 10, Rel 11, Rel 12
4 Credits English	Eng 9, Eng 10, Eng 11, Eng 12
3 Credits Social Science	World Geography or World History U.S. History or AP US History American Government
2 Credits Mathematics	<i>Algebra and above for college prep</i>
2 Credits Science	
1 Credit Physical Ed. /Health	
2 Credits Fine/Practical Arts or Foreign Language	Computers, Art, Music, Indust Arts, Spanish
10.0 Credits Electives	
TOTAL 28 Credits	

- ⇒ *Transfer students need ½ credit of Religion for each semester in attendance*
- ⇒ *All students must attend four years in some high school*
- ⇒ *Each senior must be enrolled in a full program both semesters*

Honor Graduates Class Valedictorian(s) will be the student(s) with the highest 7th semester cumulative GPA (rounded to 2 decimal places) who also meets the requirements listed below. The student(s) with the 2nd highest GPA meeting the requirements listed below will be Salutatorian.

- Honor classes with weighted grades (as designated by the administration) will be used to determine the honor graduates. (Example: A student with a 4.0 GPA may NOT be an honor graduate if other students have GPA's above 4.0 because of weighted grades). No transfer weighted grades will be accepted
- **Requirements:**
 - ⇒ have 4 credits in math (Algebra 1 and above)
 - ⇒ have 3 credits in science
 - ⇒ have 2 credits in Spanish
 - ⇒ be in good standing and meet all graduation requirements
 - ⇒ have completed at least 2 semesters at LHW

Honor Roll Students with a semester GPA of 3.500 or higher are named to the academic honor roll (Not the cumulative GPA). The honor roll is named twice a year at the end of each semester.

Incompletes An 'I' grade may be temporarily given on a report card for a student who is absent near the end of a marking period and has missing work.

- One day of make-up time for each day of absence will be allowed.
- Incompletes must be made up within two weeks after the end of the marking period unless special arrangements are made with the principal. **Incompletes not made-up automatically become an 'F'**. It is the student's responsibility to make up the work within the required time period.

Make-up of Semester Failures

Any semester 'F' must be made up in summer school (through a local public school district) to keep the student on graduation pace. A Religion failure must be made up the next LHW school year but compensatory credit must be earned in summer school. The student must have approval from the guidance director before enrolling in summer school. The new grade and the original failing grade are both printed on the transcript and counted in the GPA.

Michigan Merit Exam (MME)

The MI Merit Exam is given at no cost to all juniors in March. It includes the ACT Plus Writing test, ACT WorkKeys, MI Math, MI Science, and MI Social Studies tests. Scoring well can qualify a student for a MI Promise Scholarship.

NCAA Clearinghouse

Students planning to compete in NCAA Div. 1 or 2 college athletics, must complete specific core curriculum courses and have a qualifying ACT score to be eligible for college athletics. Students register online @ www.ncaaclearinghouse.net during their junior or senior year, and pay the \$30 fee to begin the process. Students should request the Guidance Office to send transcripts to the Clearinghouse.

Parent/Teacher Conferences:

Parents may contact teachers in person, by email, or by telephone. School scheduled Parent Conferences are held after the 1st quarter marking period.

PowerSchool (replaces K12 Planet beginning in 2009-10)

PowerSchool Premier is a Web portal that gives parents and students access to grades, attendance, email updates, and teacher messages. Login account information will be available in August. Students and parents should login at least once each week to check for messages and grade progress.

Repeated Classes:

A student who repeats a class (other than PE Fitness, Band, Choir, Media and Web Design, and Yearbook which may be repeated for credit) in which credit has already been earned will earn a grade but no credit. Both grades appear on the transcript. Example: A student earned a D in Algebra. The Geometry prerequisite of C or better prohibits the student from continuing the sequence. The student may repeat the class for a grade but no credit to advance to Geometry.

Report Cards:

Printed report cards are mailed at the end of each quarter (9 weeks) and each semester (18 weeks).

Only semester grades become part of the student's permanent transcript.

Semester grades are computed using the formula:

40% quarter 1 percent.....		50% quarter 1 percent
40% quarter 2 percent.....	OR	50% quarter 2 percent
20% Semester exam percent.....		<i>(if no exam given)</i>

Families can request a 2nd report card copy to be mailed to a parent with a different mailing address by contacting the School Office.

Schedule Changes

- Student schedule changes are allowed discouraged. A student schedule change request can be made to the Guidance Director during the first 10 days of a class. The instructor, parent and Guidance Director must approve the change.
- Courses cannot be added after the tenth day of a semester
- Courses dropped after the second week of a semester receive a semester "F".
- Students may not drop a full year course at the end of the first semester.
- The school may cancel any course if there is an insufficient number of students requesting the class or if the school is unable to obtain a qualified instructor.

Structured Learning Class

Students needing extra academic help may be placed into the Structured Learning Class. In SLC, students have one study class period each day in a small group with a teacher. Students must keep a daily assignments planner. SLC is NOT special education - curriculum will not be modified for students. Letter grades and credit are earned but are not calculated in the GPA.

Transcripts

Tuition obligations must be paid before the Association releases transcripts. There is a \$3.00 fee for each transcript sent after graduation. A transcript includes:

1. Name, address, DOB, and social security number(*if on the test score sticker*)
2. All semester grades from Grade 9 to Grade 12
3. Cumulative grade point average
4. Class rank (____ out of ____ ranked by cumulative GPA)
5. Achievement and college entrance test scores (EXPLORE, PLAN, ACT)

Official transcripts are mailed directly to a college or employer. Transcripts released to students may be considered invalid.

Transfer of Credits (Summer School/Correspondence Classes)

The student must obtain the approval of the guidance department prior to enrolling in a correspondence class, summer school or night school. A counselor will help the student select a class that will transfer in to LHW. The Guidance Director and the principal must approve credits transferred to LHW.

COURSE DESCRIPTIONS

ART

Required: 2 credits of Fine or Practical Arts or Foreign Language
Art courses count as Fine Art

Fundamentals/Sculpture (*alternate years*) (500 + 516) 10, 11,12

Prerequisites: None

Introduction to basic elements of design through drawing, painting, sculpture, print making, and art history. Sculpture students will learn the basics of 3-D design through a variety of media with an emphasis on clay. Projects may include hand-built pottery, sculpture (human and animal forms), tile making, and the study of sculpture in our own and other cultures.

Drawing/Painting (*alternate years*) (505 + 501) 10, 11,12

Prerequisites: None

Drawing teaches the basic elements of drawing using pencils, ink, markers, and colored pencil to make still life drawings, portraits, and cartoons. In Painting, the student will gain a working knowledge of color mixing and color schemes using tempera, watercolor, and acrylics to make still life paintings and nature landscapes.

ART SEMINAR 07300 12

Prerequisite: Senior student who has 2 art credits and teacher approval.

Advanced students will work independently in a media they select under the guidance of the art teacher.

BUSINESS

MARKETING (550+551) Elective 10,11,12

Students will learn the language of marketing and distribution. Topics include: consumer economics, world channels of distribution, careers in marketing, promotion and pricing, and human relation skills.

ACCOUNTING (571+572) Elective 11,12

Prerequisites: Strong math background Students will learn the double-entry accounting system using journals and computer software. Students will also prepare financial statements and adjust ledger accounts for business partnerships

MANAGEMENT AND BUSINESS ADMIN (903) Elective 11,12

Prerequisites: Marketing Students will study business fundamentals: legal, training, finance, organizational design, leadership, compensation, communication and how they are applied in today's business world.

COMPUTER

Required: 2 credits of Fine or Practical Arts or Foreign Language
Computer courses count as a Practical Art.

COMPUTER APPLICATIONS 13130 Required 9

Students will develop keyboard speed and accuracy. Students will use Microsoft Word to format documents, Excel to create spreadsheets including formulas and charts, Access to analyzing data, and PowerPoint for visual presentations. *Students who demonstrate touch typing proficiency at 40 wpm may test out of the first semester.*

MEDIA AND WEB DESIGN 08300 10, 11, 12

Students will use technology to develop advanced Microsoft Office, multimedia and web page projects. Students will use Photoshop and Gimp for photo editing, Microsoft Movie Maker to create movies, and Adobe DreamWeaver for web design.

YEARBOOK 02381 May be repeated for credit 10,11,12

Prerequisites: Approval of instructor and C or higher in English
Students will produce the school yearbook. Students will learn how to write effective copy and captions, how to manipulate digital photographs using PHOTOSHOP or Gimp, and how to solicit advertisements. Students will be evaluated on the basis of successful completion of assigned work by deadlines.

ELECTIVE

SENIOR SEMINAR (Semester- may be repeated) Grade 12

This independent study course allows a student to design and complete study in an academic course that is not currently offered in LHW's curriculum. The student must have a mentor teacher and complete 60 hours of coursework. The student develops the units of study and the course timeline. The student pays for any textbooks, software or materials needed.

Suggested topics: Music Theory, Adobe Flash, Adobe Premiere, Photoshop, Adobe Acrobat Pro, Beginning Greek, Career Exploration, Spanish Literature

ENGLISH

Required: 4 credits of English

ENGLISH 9 (Grammar and Literature) 02101 Required 9

This course emphasizes grammar, literature, writing, and research. Grammar studies include parts of speech and sentence structure. Various genre of literature will be studied, including: short story, poetry, nonfiction, biography, drama and the novel. A research paper will be completed during second semester. Two book reports will be completed during the year.

ENGLISH 10 (Composition) 02201 Required 10

This is a composition course that attempts to improve students' writing skills. Grammar and punctuation rules are studied and then applied to a variety of writing forms such as essays and short stories. Four novels will also be read, and a book report will be written on each. Vocabulary building will also be included.

ENGLISH 11 (American Literature) 02301 Required 11

This is a survey course of American literature from the Colonial Period through the Modern Age. Oral and written composition, based on these works, will provide for the refinement of speaking and writing skills. Grammar is reviewed as needed and vocabulary is studied daily. Students will be responsible for writing three literary analyses papers throughout the year. These papers will require a critical overview of the author, an analysis of a specific literary element, and/or a well-organized evaluation of a specific literary work (novel, short story, poem or drama).

ENGLISH 12 (English Lit. & Adv. Composition) 02401 Required 12

This is a chronological study of literature in England and includes all genres of literature. Grammar use that focuses on improving sentence structure is included throughout the year. Composition will expand on styles and techniques previously taught. A research paper will be required, and two book reports will be completed during the year.

FOREIGN LANGUAGE

Required: None for graduation

A minimum of 2 years is recommended for college bound students

SPANISH I 09121 10

Prerequisites: GPA 2.5 or department approval

The student will learn to read, write, listen and speak through oral repetition, drill, and memorization using basic Spanish.

SPANISH II 09221 11

Prerequisites: Spanish I (C or better)

A course intended to increase the student's vocabulary and use of other verb tenses. Spoken Spanish will be emphasized so that the student is able to communicate in actual situations. The study of the culture will also be included.

SPANISH III 09321 12

Prerequisites: Spanish II (B or better), or teacher approval

The course focus will be on composition and the reading of short stories. Cultural exposure will be increased. Students may take the AP Spanish test in May.

INDUSTRIAL ARTS

Required: 2 credits of Fine or Practical Arts or Foreign Language

These courses count as a Practical Art.

INDUSTRIAL ARTS (Auto and Drafting) 14100 10,11,12

Students study the basic operation and maintenance of cars including simple concepts such as how to put gas in the car and more complex ideas such as how liquid gasoline fuels the engine. Drafting will include skills in lettering, lines, dimensioning, print reading and scaling using traditional paper and pencil drafting tools.

ARCHITECTURAL DRAFTING (Independent Study) 14201 11,12

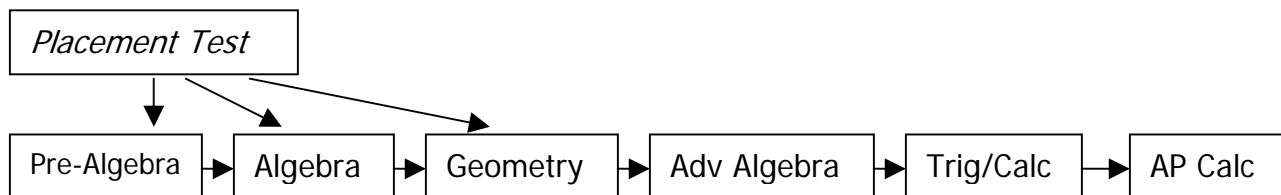
Prerequisites: Industrial Arts

Students will learn the basic drawings needed to build a house: floor plans, elevations, plot plans, section views, interior/exterior framing drawings, and specifications. Students will use TurboCAD to develop computer-generated drawings.

MATHEMATICS

Required: 2 credits

College bound students should take 3 or 4 credits (Algebra and above)



PRE-ALGEBRA 04111 Prerequisite: Placement Test 9,10
This course reviews basic arithmetic and algebraic operations. It introduces solving equations and problem solving techniques to prepare students for Algebra I.

ALGEBRA 04141 9,10,11
Prerequisite: Pre-Algebra ("C" or better) or Placement Test
This course involves the study of algebra from its basic postulates to working with quadratic equations. The following topics are covered: linear equations, polynomials, radicals, factoring, functions, and graphing using Cartesian coordinates. An emphasis is placed on development of problem solving skills.

GEOMETRY 04151 9,10,11,12
Prerequisite: Algebra 1 ("C" or better) or Placement test
This course develops problem-solving skills using geometrical postulates and theorems to develop deductive and inductive proofs. Students use theorems to determine the lengths, angles, areas, and volumes of various two- and three-dimensional geometric shapes.

ADVANCED ALGEBRA 04201 10,11,12
Prerequisite: Geometry ("C" or better)
This course includes quadratic equations, quadratic relations, and trigonometry. The understanding of quadratics is used to unite concepts from Algebra I with concepts from Geometry as students learn to graph quadratic relations. An emphasis is placed on development of problem solving skills.

TRIGONOMETRY/CALCULUS 04350 11,12
Prerequisite: Advanced Algebra ("C" or better)
The course comprises topics from the algebra of real numbers, vectors and complex numbers and a thorough study of circular and trigonometric functions. It also includes a detailed analysis of mathematical functions (polynomial, natural logarithm, natural exponential and circular), limits, derivatives and integration.

AP CALCULUS 04421

12

Prerequisite: Calculus ("B" or better) & Department approval.

Required exam. Approximate fee: \$100.

This course will include the study of Functions, graphs, limits, derivatives, second derivatives, Integrals, Riemann sums, the Fundamental Theorem of Calculus, antidifferentiation, and series. The goal of the class is to prepare students for challenging university level math classes and the AP Calculus (AB) exam. A student purchased graphing calculator is required (approx \$100).

MUSIC

Required: 2 credits of Fine or Practical Arts or Foreign Language
Music courses count as Fine Art

CONCERT CHOIR 11121 May be repeated for credit 9,10,11,12

Prerequisite: Audition required, not in Honors Choir

Concert Choir is the entry-level vocal group that sings 2- and 3-part sacred and secular music in a variety of styles. They perform in two or three concerts during the year and sing periodically in chapel. The emphasis is on singing to the glory of God and improving rhythm, sight-reading, tone quality, and ear training.

HONORS CHOIR 11131 May be repeated for credit 9,10,11,12

Prerequisite: Audition required, not in Concert Choir

This select choir of 12 to 24 accomplished singers performs a wide variety of more challenging music styles emphasizing interpretation and giving glory to God in song. Members must enter with excellent skills in rhythmic patterns, sight-reading, tone quality, and ear training. Honors choir members must commit to not only the two or three school concerts, but also monthly Lutheran High Sundays at area congregations, other community events, and possibly a choir tour.

CONCERT BAND 11141 May be repeated for credit 9,10,11,12

Prerequisite: Audition required

The Concert Band presents an opportunity to praise God using musical instruments. Emphasis is placed on rhythmic sense, sight-reading, technique and tone quality, and phrasing and interpretation of a variety of musical styles. Outside of class time, band members are required to participate in LHW's two or three concerts each year, select home basketball games for Pep Band, Future Freshmen Day, Graduation, and in some years a tour to area Lutheran grade schools.

PHYSICAL EDUCATION

Required: 1.5 credits of P.E. and .5 credit of Health

PHYS ED 9/ HEALTH

Required 9

Students develop skills of running, jumping, throwing, and catching. Units include: flag football, soccer, basketball, volleyball, weight training, track and softball. Health units include: personal health habits; advertising claims; disease causes and treatment; mental health; and substance abuse - alcohol, drugs and tobacco.

PE Fitness Training 06250 May be repeated for credit Elective 10, 11,12

A co-ed class including weight, aerobic and cardiovascular training exercises.

RELIGION

Required: 1 credit for each year of attendance

Bible version preferred: New International Version Bible (NIV)

RELIGION 9 (OLD TESTAMENT) 01101

Required 9

This course follows God's people through the study of the Old Testament. The purpose of this class is to grow in the knowledge of how God's plan of salvation would come through his people as promised. Many of the heroes of faith will be studied including Adam and Eve, Noah, Abraham, Isaac, Jacob, Joseph, Moses, Joshua, Saul, David, Solomon, Ester, and Jeremiah.

RELIGION 10 (NEW TESTAMENT) 01201

Required 10

This course surveys the Life of Christ and the early Christian Church through the study of the four Gospels and Acts. Units include: The people of His time, the land He lived in, the things He came in contact with, His birth, death and resurrection, His teachings and His miracles, and the origins of the Bible. The primary purpose of the class is to grow in the knowledge of the redemptive work of Christ.

RELIGION 11 (CHRISTIAN DOCTRINE) 01311

Required 11

This course includes the doctrines of the Christian faith, Christian Ethics, and the application of theory to everyday living. The student's personal faith and commitment to Christ is a major concern of this study.

RELIGION 12 (CHRISTIAN LIFE) 01321

Required 12

This course is devoted to equipping for ministry and service to others. Emphasis is placed on the application and understanding of scripture and doctrine to the life of the individual. Later in the year the focus turns to a study of church history, world religions, cults, and the backgrounds of various Christian denominations.

SCIENCE

Required: 2 Credits

College bound students should take 3-4 credits

BIOLOGY 05111

Required 9

This course will use a lecture/discussion and laboratory approach to study life from the microscopic level of a cell to the inter-relationship of different organisms. Topics include the biochemistry of a cell, reproduction and heredity, growth and development, anatomy, life processes, and ecology. These studies will encompass the five major kingdoms: Monerans, Protista, Fungi, Animal, and Plant.

CHEMISTRY 05201

10,11,12

Prerequisite: Biology and Algebra I 'C' or better

Students will investigate substances, their properties, and the nature of the processes by which they interact. Topics will include: atomic theory, periodic relationships, gas laws, acids and bases, and chemical reactions.

ENVIRONMENTAL SCIENCE 05201

11,12

Prerequisite: Biology, Not open to students who have taken Advanced Biology

This course investigates the beauty of God's creation and our role in it. Topics include: Biomes of the world, human relations and care of the world. Students will do a yearlong ecosystem project, charting factors, as well as other labs including H₂O testing and soil testing. A research project is required.

ADVANCED BIOLOGY 05301

11,12

Prerequisite: Chemistry "B" or better

A lecture/discussion and laboratory approach will be used to cover Biochemistry of the cell, cell processes, and human anatomy and physiology. This course is recommended for students who anticipate careers in the Allied Health, Medicine, Biology or for general college prep. Students will be introduced to the format of research and will be required to complete an individual paper. Evolution will be studied from a Christian perspective.

PHYSICS 05321

12

Prerequisite: Adv Algebra, C or better

A study of God's physical universe including the following major topics: motion, forces, vectors, energy, waves, light, electricity, magnetism and nuclear physics. Students should have a solid background in trigonometry to be successful. Two labs are done each quarter.

SOCIAL STUDIES

Required: 3 credits: 1 credit of either World Geography or World History.
1 credit of U.S. History or AP U.S. History,
1 credit American Government

WORLD GEOGRAPHY 03111 9,10

Knowledge of the geography of the world and skill with maps is the foundation of the course. The first semester concentrates on the physical geography and the geography of North America. The second semester is an overview of the nations of middle and South America, Europe, Russia and Asia.

WORLD HISTORY 03131/03132 9,10

This course presents the history of several world civilizations. The emphasis throughout the course is on the use of history to understand the modern world. The first semester's work will focus on the cultural heritage of ancient and medieval cultures and the rise of the nation-state in Europe as factors in the development of western civilizations. The second semester will trace the history and cultural heritage of the developing nations of Asia and Africa, with special emphasis on the role of "Third World" countries in the family of nations today. Emphasis will also be placed in this course on development of thinking skills and strengthening of writing skills.

UNITED STATES HISTORY 03301 11

This course presents an overview of the history of our country from colonial times to the present.

AP UNITED STATES HISTORY (Advanced Placement) 03311 11

Prereq: 3.5 or above GPA, 'B' or better in World History and Dep't Approval
Student Exam Fee: Approximately \$90.

This course presents an overview of the whole of our country's history from colonial beginnings to the present day. The emphasis is on the use of history to explain, understand, and appreciate our nation's development and its current position and potential as a world power. Practice in analytical historical thinking and refinement of writing skills are also emphasized. This course will also prepare students to take the Advanced Placement test in U.S. History in the spring of the junior year for possible college credits.

AMERICAN GOVERNMENT 03400 Required 12

This course is the study of national, state, and local governments. Basic principles underlying a democracy are examined with a view toward understanding how well these principles find expression in our nation's political practices. Current events will be studied to examine contemporary political challenges and the proper Christian role in society today.

PSYCHOLOGY 03500 (AP Psychology option) Elective 12

This course is an introduction to the basic concepts of psychology. While learning how to apply psychological principles to their Christian daily life; each student will investigate modes of learning, thinking, memory, perception, motivation, emotion, and human development. Course requirements include daily reading, psychological research, analysis of behavior and development, and trends in modern psychology. Second semester topics include motivation, intelligence, personality theory, psychological disorders, abnormal behaviors and therapies. Students are expected to design and conduct basic psychological research as well as learn APA style.

STRUCTURED LEARNING CLASSES

STRUCTURED LEARNING 00061 9,10,11,12

Prerequisite: Placement by the Guidance Director

The Structured Learning Class assists students with a demonstrated academic need. Students receive one study period each day in a small group meeting with a teacher. A letter grade and credit are earned for this course but not included in the GPA. Students must keep a daily assignment planner.

VOCATIONAL/TECHNICAL COURSES

The following courses are currently available to junior and senior students as part of an agreement with the Wayne-Westland School District at the William D. Ford Vocational/Technical Center.

In order to participate in this program, students must be able to meet standard graduation requirements as well as have the approval of the guidance director and the principal. Students earn 3 credits while taking the first 4 periods of each day at VOTECH. Most of these are 2-year programs. Students may take one or both years. Student busing is provided.

Auto Body Repair I & II V0210 & V0220. This program is designed to teach the skills of repairing minor collision damage to motor vehicles, as well as minor restoration and refinishing of completed vehicles. The student will learn how to use power grinders and polishers, air sanders, spray guns and sheet metal pulling devices.

Automotive Technology I & II V0320 & V0430. Students learn shop practices, use of tools, shop safety and the use of diagnostic test equipment. Includes diagnosis and repair of auto power train, fuel, electrical, cooling and brake systems. State mechanic certification is available.

Business and Computer Tech I & II . This course prepares students for employment opportunities in today's high-tech business environment. The course is taught in a Novell Networked lab. The Microsoft Office software programs learned include integration with all the hardware in the lab. The Internet is used throughout the course, both for research and to create web pages using Adobe Dreamweaver. After acquiring the core skills in each application program, students can apply to take the Microsoft Office User Specialist Certification (MOS) exam.

Child Day Care I & II V0910 & V0920. Students gain knowledge and experience observing, planning and working three days each week in the on-site preschool program, called Sunshine and Rainbows. Students will be responsible for completing work on notebooks, activity cards and activity boxes. Each student will be assigned a theme and be responsible for all of the planning for one day. All students will go into the community to serve a two or three week internship. Students will complete a portfolio second semester.

Comp Aided Manufacturing I & II (CAM) V3410 & V3420. A high tech approach to machining and manufacturing including computer aided machining (CAM), computer numerical control (CNC), hydraulics and pneumatic principles of robotics.

Construction Technology I & II V0510 & V0620. Learn to build a house. Masonry, flooring, walls, roofing, electrical, plumbing, dry walling, cabinetry, painting, Formica, stairs, doors, windows and more are taught. Learn safe and proper use of hand and power tools. Read blueprints and estimate materials used in building a house. Students build a house in Con. Tech II.

Cosmetology I & II V1210 & V1220. Wayne-Westland Schools has contracted with Virginia Farrell Beauty Schools for training of a limited number of high school juniors and seniors. Two years are needed to complete the required 1500 hours of instruction, which takes 3-3.25 hours per day plus summer training between the junior and senior years. The program is offered at the Virginia Farrell Beauty School located in the Wildwood Plaza in Westland. Students are chosen by interest, grades, past attendance and attitude.

Culinary Arts/Hospitality I & II V1310 & V1320. The program prepares students for occupations in the hospitality industry. The classroom work is designed to teach the techniques used in the hospitality industry. The lab work is used to teach the functions of the commercial kitchen, short order cooking, and dining room service. The labs are divided into workstations and each student rotates from station to station for a period of two to six weeks. Students will prepare food for Cafe" Marquette, a public restaurant, and the Skills Grill, a student restaurant. Students may also participate in VICA sponsored and/or other food competitions.

Desktop Publishing I & II V2310 & V2320. Students will use computers to create professional publications; including capturing text and graphics, scanning, assembling text and graphics, and outputting to a laser printer. Basic typography and design principles will be utilized while gaining proficiency on Macintosh desktop publishing systems. Software includes Aldus PageMaker, Quark XPress, Aldus FreeHand, Adobe Illustrator, and SuperPaint.

Digital Media I & II Students learn three types of media: Photography: professional retouching, color correction, image manipulation using Adobe Photoshop CS3; Animation: 2D animation concepts and flash animations for the web; Video: storyboarding skills, camera skills; professional editing techniques including: short subjects, commercials, live event coverage, music video, highlight reels using Apple FinalCut Pro. Additionally, DVD authoring, audio, and special effects are introduced.

Electronics/Robotics Technology I & II V1710 & V1720. This course teaches essential electronic skills needed by workers in the field of electrical/mechanical industrial and commercial machine service, repair and installation. From the knowledge of AC/DC circuits to the industrial uses of laser/fiber optic systems and programmable logic controllers, students will learn and apply their skills in a modern, well-equipped electronics lab. Practical projects and field trips to industrial settings bring a sense of excitement and urgency to this program.

Emergency Medical Technician (EMT)

1yr. 2cr.

This course is offered to senior students only. Students must be 18 years old within one year of course completion to be eligible to take the National Registry EMT B-Exam. Students must pass the class with 80% or higher to be eligible to take the National Registry EMT written and practical skills exams. Students will be required to complete a minimum of 36 clinical experience hours, 24 hours with an EMS provider in an ambulance and 16 hours in an emergency room at a local hospital. These clinicals will be scheduled through the Career-Technical Center. Upon passing the EMT B-Exam, the student is eligible to continue their studies to be a paramedic.

Note: This is a 2-credit class (not 3 credit).

Graphic Design I & II V1010 & V1020. Students should complete at least one year of art before taking this class. Students enrolling in the Graphic Design program should enjoy working on the computer and have a genuine interest in the visual arts. The program introduces students to a variety of projects: Typography, Image Manipulation, Web Design, 2D Digital Illustration, 3D Digital Illustration, Digital Photography, Embroidery, Silk Screen, Signage

Graphic/Printing Communications I & II Students will learn design, electronic publishing, computer-to-plate preparation, operating offset presses, bindery equipment, dye sublimation printing and screen-printing. Students create their own business cards, greeting cards, stationery, flyers, coffee mugs and t-shirts. In the second semester, students may be eligible for Co-op, learning on the job while being paid.

Health Occupations I & II V1610 & V1620. This program prepares the male and female student to assist nurses and other medical staff to provide patient care. The student will learn basic anatomy and physiology, patient care, first aid, CPR, medical terminology, physical therapy skills, employability skills and the concepts of medical ethics. Clinical experience in a nursing home, which is mandatory, will be scheduled during class time. Students will be required to wear a uniform, obtain a physical examination and tuberculin test. Hands-on experience in the following areas is provided: orthopedics, labor and delivery, postpartum, newborn nursery, rehabilitation care, and care of postoperative patients, as well as geriatric patients.

Heating/Air Conditioning/Refrigeration I & II V0110 & V0120. This program is designed to train students in diagnosing, maintaining and repairing residential and small commercial heating/air conditioning units. Students learn blueprint reading, sheet metal fabrication, heat transfer gain and loss principles, test equipment operation, and tool nomenclature

Media Production I & II V1810 & V1820. Students gain practical knowledge of still photography in 35mm, digital photography, photojournalism, and photo restoration. Other instruction includes Other instruction includes, exploring portraiture, commercial photography, photojournalism, photo restoration, 16mm motion picture film, animation and mini DV video. Students work on documentaries, video productions, electronic news gathering (ENG) and animation. Experience in photography or other visual arts is helpful, but not required.

Medical Assisting I & II V2710 & V2720. This program instructs students in both the clerical and clinical care procedures of the medical office. Students will learn clerical medical office procedures such as computer skills, appointment scheduling, insurance billing and telephone communications. Clinical medical office procedures include sterile techniques, laboratory testing, injections, ECG, venapuncture, and vital signs. Students may be provided a "hands-on" experience at a local hospital and will be required to have a uniform.

Oracle Internet Academy The Oracle Internet Academy is a two-year career oriented training program which spans a variety of fields pertaining to the design and management of databases. Oracle has sponsored the program to give students a strong background in constructing data models and how to manage data through SQL (Structured Query Language). In the second year, students are introduced to Java and Web Design. Students are prepared to take two industry-recognized certification exams, one in SQL and one in Java.

Web Design: Integrated This course is designed to provide students a solid foundation in creating dynamic web sites. Students begin by creating basic web pages using HTML. Once a firm foundation in xHTML coding is established, students develop additional pages and complete sites with the use of Dreamweaver. Students are also introduced to additional applications within the CS4 suite including Flash, Fireworks and Contribute. The second stage of the class involves developing short animations, sites built using Flash and dynamic sites that interact and/or respond to a visitor. Students learn the basics of server technology, database fundamentals, as well as some of the basics of Javascript.

Welding Technology I & II V2110 & V2120. This program is designed to prepare students for entry-level welding occupations. Students learn basic and advanced welding techniques in oxyacetylene, gas metal arc, shielded metal arc and gas tungsten arc welding processes. Students also use basic math and measurement skills to assist them in the building and repair of many things. Brazing, oxyacetylene cutting and blueprint reading are included.

SAMPLE 4 YEAR PLANS

Electives: Industrial Arts Concert Choir Art Yearbook
 Mixed Chorus Consumer Math VOTECH Band
 Psychology Marketing Web Design Bus. Mgmt

Shaded cells are electives, white cells are required.

Average – Preparation for typical college admission

9	10	11	12
Religion	Religion	Religion	Religion
English	English	English	English
Algebra	Geometry	Adv. Algebra	<i>Elective</i>
Biology	Chemistry	<i>Elective</i>	Advanced Biology
Computer Applic.	Spanish 1	Spanish 2	<i>Elective</i>
World Geography	<i>Elective</i>	US History	Amer Government
Phys Ed/Health	<i>Elective</i>	<i>Elective</i>	<i>Elective</i>
Study Hall or elect	Study Hall or elect	Study Hall or elect	Study Hall or elect

Advanced – Preparation for a highly competitive college

9	10	11	12
Religion	Religion	Religion	Religion
English	English	English	English
Geometry	Adv. Algebra	Trig/Calculus	AP Calculus
Biology	Chemistry	Advanced Biology	Physics
Computer Applic.	Spanish 1	Spanish 2	Spanish 3
World History	<i>Elective</i>	AP US History	Amer Government
Phys Ed/Health	<i>Elective</i>	<i>Elective</i>	<i>Elective</i>
Study Hall or elect	Study Hall or elect	Study Hall or elect	Study Hall or elect

Minimum (2 science, 2 math, and VOTECH)

9	10	11	12
Religion	Religion	Religion	Religion
English	English	English	English
Pre-Algebra	Algebra	VOTECH	VOTECH
Biology	<i>Elective</i>	VOTECH	VOTECH
Phys Ed/Health	<i>Elective</i>	VOTECH	VOTECH
Computer Applic.	World Geography	US History	Amer Government
SH/Struc Learn.	Spanish 1	Spanish 2	Chemistry
Elective	Study Hall or elect	Study Hall	Study Hall

DROPPED COURSES

AP ENGLISH 02421

12

Prerequisite: 3.5 GPA and Dept approval

This course is designed for those students who have demonstrated proficiency in previous English classes. The course will be an extensive study of British literature including all genres. Additional novels will also be read outside of class. Emphasis will be on composition styles and techniques and will be related to the literature. A research paper will be required. In each quarter AP style essays will be written. The AP test will be required for all students. Cost: Approximately \$90.

Spanish Literature 09421

12

Prerequisites: Teacher approval

This independent study course emphasizes Spanish literature using Spanish novels. Students will read and answer questions in Spanish.