

Lakewood High School



2021—2022

Curriculum Guide



Lakewood High School
7223 Velte Road
Lake Odessa, MI 48849
616.374.8868
www.lakewoodps.org

Index

I. Academic Policies & Procedures	Page
Graduation Requirements	3
Meeting Graduation Requirements	4
Homework Designations	4
Advanced Placement	4
Articulation Agreement	5
Credit by Testing	5
Credit Recovery	5
Departmental Honors	5
Dual Enrollment	6
Early Middle College	6
Independent Study	6
NCAA Athletic Eligibility	6
Online Learning	6
Personal Curriculum	7
Schedules	7
Scholar Classes	7
Senior Honors & GPA	8
Tutorial Support	8
II. The Instructional Program	9
Student Support Programs	9
Eaton I.S.D. Career Preparation Center	10-12
English	13-15
Industrial & Applied Technology	16-17
Information Technology	18-19
Mathematics	20-21
Physical Education	22
Science	23-24
Social Studies	25-26
Visual/Performing Arts	27-28
World Languages	29
Work-Based Learning	30
III. Policies of Lakewood Public Schools	
Mission Statement	2
Notice of Nondiscrimination	30

Mission Statement

The Lakewood Public School District believes that all students can master desired outcomes and that it is the responsibility to teach all students the specified curriculum. The mission is, therefore, to educate students to their highest levels of performance, while fostering positive development of their attitudes and behaviors so that they may make responsible contributions to our society. Lakewood High School continues to promote responsibility, extracurricular opportunities, academic challenges, and lifelong learning.

Minimum Graduation Requirements

LHS DIPLOMA (These are the *minimum* number of credits.)

See additional information explaining each subject and course offering by category.

<p>English—4 Credits which must consist of 8 semesters of course work and include:</p> <p style="padding-left: 40px;">English 9, English 10, English 11</p> <p>Class of 2024 will be required to take English 12 as their 4th English credit.</p>	<p>Social Studies—3 Credits which must consist of 6 semesters of course work and include:</p> <p style="padding-left: 40px;">9th—U.S. History & Geography 10th—.5 credit Government & .5 Economics 11th—World History</p>
<p>Mathematics—4 Credits which must consist of 8 semesters of course work and include:</p> <p style="padding-left: 40px;">Algebra I, Geometry, a form of Algebra II, one math or math-related credit during senior year.</p>	<p>Visual /Performing/Applied Arts—1 Credit which must consist of 2 Semesters of course work.</p>
<p>Physical Education & Health-- 1 Credit which must consist of 2 Semesters of course work and include:</p> <p style="padding-left: 40px;">Physical Education and Health</p>	<p>World Languages—2 Credits which must consist of 4 semesters of course work. See page 4 for additional information.</p>
<p>Science—3 Credits which must consist of 6 semesters of course work and include:</p> <ul style="list-style-type: none"> - 9th: Biology - 10th: Physical Science - 11th or 12th: One additional science credit in any science elective two-semester course or combination of single semester elective science courses. 	<p>Career Education:</p> <p>Online Experience: Completed through multiple required courses.</p> <p>Educational Development Plan: Required</p>
<p>Total Credits: 22</p> <p>Assessments: 11th—State-Mandated Tests</p>	

Each student is expected to be a full-time student and will need to have participated in any required State or Federal testing program. All students must complete all semesters of attendance of a full-time student to graduate unless early graduation has been requested and approved by the Board of Education. The request for early graduation will be submitted to the School Board no later than the October workshop of the school year the student wishes to graduate.

Meeting Graduation Requirements

Classes that will meet certain graduation requirements:

Visual, Performing, & Applied Arts—1.0 Credit Required

Accounting & Adv. Accounting
Chorus and Concert Choir
Concert & Symphonic Band
Design
Digital Arts and Web Page Design
Drama

Drawing & Painting I/II & Advanced Drawing & Painting
Elements of Music
Introduction to Art
Pottery I and Advanced Pottery
Adv. Studio Art
Woods Technology I, II, III

Additional courses through Eaton ISD Career Prep Center may be available—see your counselor for more information.

Additional Math or Math-Related (senior year) - 1.0 Credit Required

Accounting/Advanced Accounting Personal Economics and Banking
Physics (if course is not used to meet a science requirement)

Additional courses through Eaton ISD Career Prep Center may be available—see your school counselor for more information.

Additional English - 1.0 Credit Required

Additional English credits may be available through Eaton ISD Career Prep Center courses—see your school counselor for more information.

Third-Year Science Content - 1.0 Credit Required

Third-Year Science Content credits may be available through Eaton ISD Career Prep Center courses—see your school counselor for more information.

World Language - 2.0 Credits Required

The Second (2nd) World Language credit may be earned through completion of a department approved formal career and technical education program or an additional visual, performing and applied arts credit (1.0 credit).

Accounting & Adv. Accounting (CTE)

Homework Designations

It is recommended that students talk to their school counselor to balance high and low homework classes each semester. Each course description has a homework designation. Homework in each course varies with the topics being studied. Designations are approximate.

1 = Daily 2 = 2-3 Times a Week 3 = Occasional

Academic Policies and Procedures

Advanced Placement

A.P., or Advanced Placement is a course that is designed to allow students to get a feel for the rigors of college-level studies while they still have the support of a high school environment. When students take A.P. Courses, they demonstrate to college admission officers that they have sought out an educational experience that will prepare them for success in college and beyond.

In the academic year 2020/2021 Lakewood High School offers the following A.P. courses:

A.P. Biology
A.P. Calculus AB
A.P. Chemistry
A.P. Computer Science Principles
A.P. Language and Composition (11th grade)
A.P. Literature and Composition (12th grade)
A.P. World History
A.P. classes are on a 5.0 scale.

*A weighted grading scale will be utilized for Advanced Placement courses offered at Lakewood High School. Advanced Placement courses offer a national standardized test at the end of the year-long course that may earn college credit for students. **Students will only be granted a weighted GPA for AP courses if they complete the full-year course and take the AP exam.** Note: Virtual classes will not be granted a weighted GPA scale.*

Articulation Agreement

Lakewood High School and Davenport University have an articulation agreement. Articulation is a method of granting university level course credit for learning and skills accomplished as part of secondary school instruction. A list of the Lakewood High School courses that have the potential for earning Davenport University credits can be obtained in the Counseling Office. Interested students must indicate to the appropriate teacher the desire to articulate the high school course for credit at Davenport. Students must enroll in Davenport within 27 months of graduation. See your school counselor for additional information.

Credit by Testing

A student who can attain 77% or better on a semester final exam for that course, may obtain course credit through testing. If there is no final exam, the student may exhibit a reasonable level of mastery of the subject through criteria approved by the school board, such as portfolios, projects, etc. Credit earned under this section shall be based on a “pass” grade and shall not be included in a computation of grade point average for any purpose.

Arrangements to test out of a class are made in the high school Counseling Office. Credit by testing dates will be announced prior to May 1st. Testing dates will occur prior to the end of the school year.

Seniors who wish to test out may only test out the summer prior to the start of their senior year.

◆ **NCAA does not accept classes that are tested out. Students must take and pass the actual course for NCAA.** (See page 7 for more information.)

◆ **Valedictorian & Salutatorian:** To be named Valedictorian or Salutatorian, a student can receive an S or U for testing out, as long as the test out is prior to ever attending the class.

Credit Recovery

If a student is credit deficient, credit recovery options may be available. Please see your School Counselor.

Departmental Honors Designation Requirements

Seniors apply for Departmental Honors during March of their senior year. Information about applying will be distributed in February. It is the responsibility of the student to meet the appropriate requirements to qualify for Departmental Honors. No virtual classes qualify for Departmental Honors.

English Department:

Eight semesters of English are required, including three years of English honors classes. A minimum 3.5 GPA in English courses.

Industrial and Applied Technology Department:

Two courses in the department are required, plus one additional adv. course in the department. A minimum 3.25 GPA in those courses.

Information Technology Department:

Four semesters of Information Technology courses are required. A minimum 3.5 GPA in those courses.

Math Department:

Four credits of math are required, including Precalculus. A minimum 3.5 GPA in those courses.

Physical Education Department: Five semesters of PE are required. A minimum 3.5 GPA in those classes.

Science Department: Eleven semesters of science are required. A minimum 3.5 GPA in those classes.

Social Studies Department: Three elective social studies courses are required. A minimum 3.5 GPA in those classes.

Visual and Performing Arts Department:

Band—All seniors who are currently enrolled in the band receive an award.

Choir—Two years (or four semesters) of Concert Choir are required. A minimum 3.8 GPA in that course.

Art—Four art classes are required. A minimum 3.5 GPA in those courses.

World Language Department:

A minimum of two years of Spanish or German that is taken at the high school (not one year of each) is required. A minimum 3.5 GPA in Foreign Language classes.

Dual Enrollment

Effective April 1, 1996, Public Act 160 created the “Postsecondary Options Act”, which directs school districts to assist students in paying tuition and fees for courses at Michigan public or private colleges or universities if certain conditions are met. There are many rules and requirements concerning Dual Enrollment at both the local and state. Students must have a 2.5 cumulative GPA and meet required testing scores to be eligible to enroll for Dual Enrolled classes. If you are interested in learning more, please refer to the helpful links below and/or speak with your school counselor.

MDE website for Dual Enrollment --> https://www.michigan.gov/mde/0,4615,7-140-81351_40085---,00.html

MDE Dual Enrollment FAQs --> https://www.michigan.gov/documents/mde/9-12_Dual_Enrollment_FAQs_397781_7.pdf

Early Middle College

The Early Middle College is a five-year high school program designed to allow a pupil to earn a high school diploma while also earning an associate's degree, an EMC (MEMCA) technical certificate, an industry recognized technical certificate, or 60 transferable credits. Students must commit and apply to the program prior to their junior year of high school. To apply to the program, students must have a cumulative 2.0 GPA, meet required testing scores, and complete the application process. For more information, please see your School Counselor.

Independent Study

The purpose of independent study is to pursue an interested subject in depth after the student has exhausted the curriculum. Granting independent studies is at the discretion of individual teachers. They are not required to accept independent study students. The teacher can also place parameters on the hour, the number of students allowed, and whether individual students qualify for independent study. A student must make individual arrangements with the teacher involved prior to scheduling. Independent study requires administrative and school counselor approval along with a written contract that includes a Course Syllabus. This contract must be on file in the Counseling Office prior to placement.

NCAA Athletic Eligibility

A student entering an NCAA Division I institution must successfully complete at least 16 core courses and a student entering an NCAA Division II institution must successfully complete at least 16 core courses. Ten (10) core courses must be completed by the end of the junior year; seven (7) of the 10 must be in English, math, or natural/physical science. These courses/grades are “locked in” at the start of the seventh semester (cannot be repeated for grade-point average (GPA) improvement to meet initial-eligibility requirements for competition). The student must also achieve a minimum required grade point average in the core curriculum as well as achieve a minimum required score on either the ACT or the SAT examination to be eligible for institutional financial aid and to practice and compete on an intercollegiate athletic team during his or her first year of collegiate attendance. More information at <http://www.eligibilitycenter.org>. See your counselor for specifics regarding core course, grade point average, and test score requirements.

***The NCAA does not accept classes that are tested out. Students must take and pass the actual course for NCAA.**

	Division I	Division II
	16 Core Courses	16 Core Courses
English	4	3
Math (Alg I or higher)	3	2
Science (Natural / Physical)	2	2
Additional Eng/Math or Science	1	3
Social Science	2	2
Additional - Any from above or foreign language	4	4
	16	16

Online Learning

The State of Michigan School Aid Act allows students (with the consent of their parent or guardian) to enroll in virtual courses where each course is capable of generating credit or grade progression. Section 21f allows pupils to enroll in virtual courses from the district or statewide virtual course catalog. Lakewood Public Schools is not required to provide the technology or Internet access except under certain state guidelines. For more information, and to evaluate if you are a good candidate for taking online courses, please see your school counselor for more information. The request for online course enrollment must be made in the academic term, semester, trimester, or summer preceding the enrollment. Students interested in the virtual program can access digital curriculum through Apex Learning at <http://www.apexlearning.com> or Michigan Virtual University (MVU) at <http://www.mivhs.org>. Please refer to School Board Policy 5430 regarding class rank. See your school counselor for eligibility requirements.

Personal Curriculum

A Personal Curriculum (PC) is a documented process that modifies certain requirements of the Michigan Merit Curriculum (MMC), which must be met for the awarding of a high school diploma in Michigan. A Personal Curriculum must be requested on an individual basis and must meet certain conditions to be approved. If a personal curriculum is requested, Lakewood Public Schools will grant that request. A PC is intended for high school students seeking a diploma who:

- Wish to go beyond the academic credit requirements by adding more math, science, English language arts, or foreign language credits
- Need other modifications of MMC requirements due to the impact of their special education disabilities.

To request a Personal Curriculum, please see your school counselor.

Scheduling

Careful course selection is important. It should reflect a student's interest and abilities, parent's desires, plans for the future, and a willingness to examine new ideas and experiences. The more academic and technical skills a student learns, the more options he/she will have upon graduation. Parents are encouraged to take an active part in the scheduling process by reviewing course choices. It is highly recommended that students confer with parents and teachers before scheduling. Students should consider educational goals, extracurricular obligations, and time commitments when choosing classes.

The master schedule, teacher assignments, and budget are based on how many students sign up for certain courses. Once the student's program is planned, an important part of the educational experience involves acceptance of and responsibility for following this program. Students should take special care when filling out their course plan. Every student will need to have a list of alternate course selections on his/her plan.

Students will not have the opportunity to choose the instructor or hour in which they wish to have a certain class. All course selections for all students will be done by the computer. The computer will try to schedule a student's choices; if this is not possible, then it will use alternate course selections in order to fill a schedule.

The Counseling Office will not change schedules in order to meet student wishes for certain teachers or hours.

Schedule Changes

A student **must have** the permission of a parent/guardian and/or school counselor to change his/her schedule. All schedule changes must be done prior to the start of a semester. Exceptions: Some changes (within four days) after the start of a semester will be made **only** for one of the following reasons: Inappropriate academic placement, improper grade-level placement, vocational/technical program adjustment, approval of Independent Study, or approval for Dual Enrollment.

- All students must carry a full academic load. Special requests should be directed to the principal.
- To graduate, a student must have earned the required number and distribution of credits and must have completed a full academic class load of coursework. There are provisions in some cases for students to graduate early.
- A student can repeat a class with counselor permission in advance. Generally this occurs when the student's intent is to improve his/her skill, not to improve the grade she/he received. Both grades will show on the transcript.
- It is the student's responsibility to select and complete the required classes for a diploma. School Counselors will be glad to assist in this process, but the responsibility ultimately rests with the student.
- If a student fails a required course, it is the student's responsibility to contact the Counseling Office to reschedule that class. The "F" will permanently remain on the student's official transcript and will be calculated into the Grade Point Average.

Scholar Classes

English 10 Advanced

A.P. Biology

Zoology

Spanish II - IV

Publications II

Precalculus Adv.

Chemistry

German II—IV

A.P. Language & Composition

Algebra III

A.P. Calculus

Web Page Design

A.P. Lit. & Composition

Modern World History

Modern American History

Senior Social Studies

A.P. World History

A.P. Chemistry

Genetics/Etymology

A.P. Comp. Science Principles

Physics

Symphonic Band (*11th or 12th grade only*)

Adv. Accounting

Botany

Concert Choir (*11th or 12th grade only*)

Classes taken at EISD Career Prep. Center for a second year in the same subject area can be applied towards honor credit. Classes taken at the high school more than one year can count only once, i.e. Concert Choir and Symphonic Band. Independent studies which go beyond the scope of the listed scholar classes can be applied towards honor credit with prior approval of the principal.

Senior Honors and Grade Point Average

Seniors earning graduation honors must have achieved a 3.0 cumulative grade point average (G.P.A.) plus eight (8) semesters of scholar classes. The student must possess at least a 3.0 cumulative G.P.A. after the first semester of their senior year. In addition, the student shall have completed or have plans to complete and receive letter grades in eight (8) classes of course work designated as scholar classes. Seniors earning high honors must have achieved a 3.5 and above cumulative G.P.A plus twelve (12) semesters of scholar classes. The student must possess at least a 3.5 cumulative G.P.A. after the first semester of their senior year. In addition, the student shall have completed or have plans to complete and receive letter grades in twelve (12) classes of course work designated as scholar classes. Recognition of Academic Excellence will be awarded to students who have achieved a 3.75 cumulative G.P.A. plus sixteen (16) semesters of course work designated as scholar classes. The student must possess at least a 3.75 cumulative G.P.A. after the first semester of their senior year. In addition, the student shall have completed or have plans to complete and receive letter grades in sixteen (16) classes of course work designated as scholar classes.

Students are ranked according to their cumulative G.P.A. based on all classes in which a final semester letter grade is received. Final ranking for seniors is calculated after the first semester in their senior year. The cumulative G.P.A. continues until the end of the final semester.

Grade point averages shall be figured by averaging weighted semester grades earned through the end of the first semester of senior year. Grade point average does not include courses which do not receive a letter grade; i.e. work-based learning. To be named Valedictorian or Salutatorian, a student must complete all semesters required and receive a letter grade of A, B, C, D, or F in all classes where letter grades are given. (An S or U in classes that only give those two options.) Furthermore, the student must have achieved the recognition of Academic Excellence. Valedictorian and Salutatorian candidates may dual enroll, but the college-assessed grade must appear on their Lakewood High School transcript and will be counted towards the GPA. Please refer to School Board Policy 5430 regarding class rank.

Tutorial Support

Students who feel they need assistance in an academic area are encouraged to contact their school counselor. Counselors will attempt to make arrangements for tutorial assistance.



Instructional Program

All programs are available to male and female students.

Student Support Programs

Student Support courses are designed for students certified as eligible to receive special education services or qualify as at risk under 31a eligible criteria. Course work is offered in reading, math, vocational education, or study skills. Special emphasis is placed on basic learning skills, improving social behavior, and communication skills. Programs are based on the talents and abilities of the student. All programs operate according to state and federal mandates. All students have access to the general education curriculum.

Course Information	Requirements & Recommendations	Course Description
Algebra Concepts 1 Semester	Grade: 9-12 Homework: 3	Algebra Concepts integrates a range of instructional practices and manipulatives to teach all basic algebra concepts. These include basic properties, solving equations (including simultaneous equations), exponents and square roots, scientific notation, unit multipliers, metric conversions, and graphing lines and conic sections. The course reinforces the concepts that are taught in a student's Algebra I course. Students are selected for this course based on district and state assessments and teacher recommendation.
Geometry Concepts 1 Semester	Grade: 9-12 Homework: 3	Geometry Concepts has three main areas of emphasis. They are: the vocabulary of geometry, practical applications of geometry, and traditional geometry, including proofs. Topics include lines, angles, area, perimeter, volume, Pythagorean theorem, axioms and postulates, congruency, and similarity. The course reinforces the concepts that are taught in a student's Geometry course. Students are selected for this course based on district and state assessments and teacher recommendation.
High School Transitions 1 Semester	Grade: 9-12 Homework: 3	This is a daily course designed to provide instruction, direction, and activities to help students focus on personal growth as community members, as well as academic pupils. Students will be provided time for academic support services through tutoring, study time, and make-up work opportunities. Students will be expected to participate in various activities that support, enhance, and broaden their education. Activities include study skills, career exploration, post-high school options, and employment readiness. This course may be repeated.
Student Success 1 Semester	Grade: 9-12 Homework: 3	The primary focus of the Lakewood High School Student Success Program is to connect students with the resources that will help all students reach their educational, life, and career goals. This multifaceted program for at-risk students is comprised of enhancing study skills, life skills, developing a school-to-career pathway, servant leadership, peer mentoring, and meeting requirements for Lakewood High School graduation. Every facet of this program is designed to assist students in achieving academic and personal success.

Career and Technical Education

Career and Technical Education (CTE) programs—designed to prepare students for a broad range of employment and training services after high school. The Lakewood Public School District offers Career and Technical Education programs through Lakewood High School and also at Eaton Intermediate School District Career Preparation Center. Programs are designed to prepare youth for a broad range of employment and training services and are offered under the guidance of certified teachers, counselors, and cooperative ed. coordinators. All career and technical education programs follow the district’s policies of nondiscrimination on the basis of race, color, religion, national origin or ancestry, gender/sex, age, disability, height, weight, or marital status in all programs and activities; lack of English language skills is not a barrier to admission or participation. Inquiries regarding nondiscrimination policies should be directed to: Superintendent, 223 W. Broadway, Woodland, MI 48897, 616.374.8043.

Eaton Intermediate School District Career Preparation Center/CTE

- Off-Campus Career & Technical Classes;
- Morning bus leaves LHS at 6:20 a.m.
- Eaton RESA CTE programs may offer students the opportunity to earn articulated college credits. See your School Counselor for more information.
- All programs are open to male and female students.
- It is the policy of Eaton I.S.D. Career Preparation Center that no person shall, on the basis of race, color, religion, national origin or ancestry, lack of English language skills, sex, age, disability, height, weight, or marital status be excluded from participation in, be denied benefits of, or be subjected to discrimination during any program or activity.
- Courses are located at Lansing Community College campuses, AIS Construction, Farm Bureau, Potter Park Zoo, or Davenport University downtown Lansing campus
- <http://www.eatonisd.org/schoolservices/careerprep/>

Course Information	Requirements & Recommendations	Course Description
Animal Science and Zoo Management 2 Semesters	Grades 11-12 * This course can be used to meet the Visual, Performing, or Applied Arts credit. * Senior Year Math Content * Third-Year Science Content	This program is designed for students who have career interests in zoology, animal science, veterinary medicine, conservation, or environmental education. This is an in-depth, hands-on learning experience in a real world setting—Potter Park Zoo.
Automotive Technology 2 Semesters	Grades 11-12 * This course can be used to meet the Visual, Performing, or Applied Arts credit. * Senior Year Math Content * Third-Year Science Content	Students in this program will cover the four National Institute for Automotive Service Excellence requirements for training in auto service and brakes. Students will also study steering and suspension and electrical theory. Students returning for a second year will have the opportunity to participate in an internship experience.
Business Academy 2 Semesters	Grades 11-12 * This course can be used to meet the Visual, Performing, or Applied Arts credit. * Senior Year Math Content * Third-Year Science Content	This program introduces students to contemporary business principles, practices, and terminology. It focuses on the four universal functions of management (planning, organizing, leading, and controlling). Students will also become familiar with the primary tools of marketing, including market segmentation, product, pricing, marketing communication, research, and marketing channel strategies.
Computer Security 2 Semesters	Grades 11-12 * This course can be used to meet the Visual, Performing, or Applied Arts credit. * Senior Year Math Content * Third-Year Science Content	This course provides an introduction to computers, their role in managing business information systems, their influence on society, and their use in personal productivity. Students will also gain skills to diagnose and correct problems that computer users encounter.

Career and Technical Education

(continued)

Course Information	Requirements & Recommendations	Course Description
Criminal Justice 2 Semesters	Grades 11-12 * This course can be used to meet the Visual, Performing, or Applied Arts credit. * Senior Year Math Content * English Language Arts (.5 credit) * Third-Year Science Content	This program provides instruction in the areas of law enforcement, the courts, and corrections. It is primarily an academic program with some hands-on activities such as pressure points, take downs, handcuffing, Teen Court, and firearms training.
Digital Media & Design 2 Semesters	Grades 11-12 * This course can be used to meet the Visual, Performing, or Applied Arts credit. * Senior Year Math Content * English Language Arts (.5 credit) * Third-Year Science Content	This program explores design and visual communication in art, animation, advertising, video, and the World Wide Web. Students will learn to build a website from the ground up.
Fire Science 2 Semesters	Grades 11-12 * This course can be used to meet the Visual, Performing, or Applied Arts credit. * Senior Year Math Content * Third-Year Science Content	This program provides students with an overview of fire protection, career opportunities in fire protection and related fields, and philosophy and history of fire protection services.
Game Design & Programming 2 Semesters	Grades 11-12 * This course can be used to meet the Visual, Performing, or Applied Arts credit. * Senior Year Math Content * Third-Year Science Content	Introduces students to the game development process from storyboarding the initial concept to the final marketing documentation. Students will utilize multiple game development methodologies to move a project through the major stages of game design.
Health Technology I & II 2 Semesters	Grades 11-12 * This course can be used to meet the Visual, Performing, or Applied Arts credit. * Senior Year Math Content * English Language Arts (.5 credit) * Third-Year Science Content	Provides an overview of current health systems, information on potential careers, application of study skills, and practice in the basic skills required for a job in a variety of health-related occupations.
Heavy Equipment Construction 2 Semesters	Grades 11-12 * This course can be used to meet the Visual, Performing, or Applied Arts credit. * Senior Year Math Content * Third-Year Science Content	A student in this class will learn the basics of construction like basic hand and power tools. The class will go much further by learning techniques of underground construction including grades, below grade construction, and earth moving. Also covered are the different kinds of soils and processes used in different kinds of construction.
Heavy Equipment Repair 2 Semesters	Grades 11-12 * This course can be used to meet the Visual, Performing, or Applied Arts credit. * Senior Year Math Content * Third-Year Science Content	This course is year one of a two-year program. Students must complete both years to earn college credit. LCC credits awarded are articulated, special paperwork required after two years. Skills covered include diesel engine diagnosis and repair, basic electricity and electronics, fundamentals of hydraulics including tearing down and assembling hydraulic components and cylinders, heavy equipment powertrains, disassembling and reassembling transmissions and axle assemblies, and applying all course content to the latest technology coming in from construction and farm equipment manufacturers.

Career and Technical Education

(continued)

Course Information	Requirements & Recommendations	Course Description
Insurance & Risk Management 2 Semesters	Grades 11-12 * This course can be used to meet the Visual, Performing, or Applied Arts credit. * Senior Year Math Content * Third-Year Science Content	Students will investigate the process of risk management and the field of insurance, including: social value, economic influence, loss exposures and protection, marketing, claims adjusting, underwriting, personal insurance, financial planning, and commercial insurance.
Law Enforcement 2 Semesters	Grades 11-12 * This course can be used to meet the Visual, Performing, or Applied Arts credit. * Senior Year Math Content * Third-Year Science Content	This program explores the basic concepts and potential career opportunities in Law Enforcement. The program provides students with an overview of criminal justice as an institution and as a system. Students will be exposed to concepts and theories of patrol and the delivery of police services. Mandatory physical fitness activities are an essential component of this program.
Mechanical Engineering and Manufacturing 2 Semesters	Grades 11-12 * This course can be used to meet the Visual, Performing, or Applied Arts credit. * Senior Year Math Content * Third-Year Science Content	This program provides students with hands-on laboratory projects, career-based education, and industrial skill sets needed. Career opportunities include Machine Tool Operations, CNC Programming and Operations, Skilled Maintenance. Students will also have the opportunity to earn First Aid and CPR/AED certifications.
Mechatronics 2 Semesters	Grades 11-12 * This course can be used to meet the Visual, Performing, or Applied Arts credit. * Senior Year Math Content * Third-Year Science Content	After an introduction to industrial workplace safety, including the ability to earn First Aid and CPR/AED certifications, students will focus on the installation and repair of electrical, hydraulic, pneumatic, and digital controls that operate Automated Mechanical and Robotic systems.
Medical Assisting Academy 2 Semesters	Grades 11-12 * This course can be used to meet the Visual, Performing, or Applied Arts credit. * Senior Year Math Content * Third-Year Science Content	The program is designed to prepare competent entry-level medical assistants in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains. Students are prepared in the basics of patient care, basic laboratory practices, and medical office procedures. In addition, students will have developed their interpersonal communication skills and acquired a foundation in both psychology and cultural diversity.
Sports Medicine 2 Semesters	Grades 11-12 * This course can be used to meet the Visual, Performing, or Applied Arts credit. * Senior Year Math Content * Third-Year Science Content	This program is designed for a student interested in the fields of health, fitness, sports medicine, athletic training, physical therapy, or personal trainer. The students will learn lifestyle skills that lead to better health including healthy nutritional habits, basic fitness concepts, positive stress reduction, and development of a personalized healthy lifestyle plan.
Welding Technology I & II 2 Semesters	Grades 11-12 * This course can be used to meet the Visual, Performing, or Applied Arts credit. * Senior Year Math Content * Third-Year Science Content	First-year students are instructed in the basics of gas welding, arc welding, and basic machining. Second-year students will learn advanced arc welding, gas tungsten arc welding, as well as an introduction to blueprint reading for welders and metallurgy.

English

Four English credits are required:

- English 9, 10, 11

Course Information	Requirements & Recommendations	Course Description
English 9 2 Semesters	Grade 9 Homework: 1	A required course taken by all freshmen. Students read short stories, novels, plays, and poetry while learning the rudiments of the writing process. There is also significant emphasis on helping learners develop reading and thinking skills essential to passing the state-mandated test
English 10 2 Semesters	Grade 10 Homework: 1 Scholar Class: English 10 Adv.	A course that is required of all sophomores. Students study various genres of literature from around the world and do several writing projects, both formal and creative. Considerable emphasis is given to increasing students' skills with the writing process, particularly in the area of revision. English 10 Advanced: more rigorous and faster-paced than English 10 with expanded reading and writing requirements and higher expectations. Enrollment is by teacher selection and based on aptitude, performance, and work ethic demonstrated in freshman English class.
English 11 2 Semesters	Grade 11 Homework: 1 Scholar Class: Students interested in pursuing a scholar course, should take Advanced Placement Language and Composition <i>Note: A minimum of 5 hours of online learning will be incorporated into this course.</i>	A course which is required in the junior year. The focus is American literature. There is considerable writing in response to the readings, and students hone their skills at composing expository essays. The culminating writing experience is a research paper.
English 12 2 Semesters	Grade 12 Homework: 2 Scholar Class: Students interested in pursuing a scholar course, should take Advanced Placement Literature and Composition Class of 2024 will be required to take English 12 as their 4th English credit.	A course which is required in the senior year. English 12 focuses primarily on World literature, including a variety of genres and time periods and is generally presented in a survey manner. Composition and presentation are major components of this course, as well as development and use of analytical and critical thinking skills. Grammar and vocabulary are studied as well.
Creative Writing 1 Semester	Grades 10-12 Homework: 1	An elective for motivated students who are interested in writing, anxious to experiment with a variety of forms, and eager to produce written projects. A good choice for seniors who prefer writing to literature or grammar.
Drama 1 Semester	Grades 10-12 Homework: 2 <i>This course can be used to meet .5 credit of the Visual/Performing Arts requirement.</i>	The student will participate in a number of project-based assignments in support of the school play and/or musical. Should the class be offered when no school play or musical is available, the class will produce and perform its own show. Along with the culminating performance, the student will also prepare and deliver a variety of other presentations ranging from oral interpretation, monologue, audition, street acting, and drama; some will be research based. This is a performance-based class and requires that the student participate in many performances, both individual and in groups. Some after school rehearsal and performance times may be required.

English

(continued)

Course Information	Requirements & Recommendations	Course Description
<p>Publications I 2 Semesters</p>	<p>Grades 9-12 Homework: 1 <i>This course may be taken as a freshman if previously enrolled in middle school journalism.</i> Publications I is intended to be a full year course; however, a student could take it as a two-semester course, if needed.</p>	<p>Publications is a year-long elective that introduces the student to the many aspects of publishing in a variety of media. The student will learn about journalistic writing, interviewing, media ethics, advertising, layout/design, photography, rights of the press, and more! Student media produced by the Publications class includes the annual yearbook, <u>Valhalla</u>, and the student newspaper, <u>The Montage</u>, among others. Students should expect to contribute to at least two different media publications each semester.</p>
<p>Publications II 2 Semesters</p>	<p>Grades 10-12 Homework: 1 Prerequisite: Publications I Scholar Class Publications II is intended to be a full year course; however, a student could take it as a two-semester course, if needed.</p>	<p>Publications II is a full-year elective offering students the opportunity to further develop the many aspects of newspaper and yearbook publishing, including reporting, writing, editing, design, ethical responsibilities, legal issues, business skills, and teamwork. Students will continue to apply the skills needed to use a variety of software, computers, and peripherals in producing high-quality publications, focusing on one or more of the areas of production, advertising sales, and circulation and distribution. This is an academic class with academic expectations. Some after-school work sessions will be required. All assignments will be relevant to learning the myriad aspects of a newspaper and yearbook publication.</p>
<p>Advanced Placement Language and Composition 2 Semesters</p>	<p>Grade 11 Homework: 1 Scholar Class</p>	<p>Intended for juniors, AP Lang/Comp is designed as a college English class requiring a mature depth of experience in reading, writing, and critical thinking skills. The course explores language and its functions through extensive student writing, close readings and examination of structures including diction, tone, use of detail, syntax, and audience. Students are expected to write and read extensively as well as prepare daily for thoughtful class discussion. Texts will include 2-3 novels requiring written critical responses. AP sample essays and multiple choice questions will be administered periodically in preparation for the AP exam in May. Summer reading is required.</p>
<p>Advanced Placement Literature and Composition 2 Semesters</p>	<p>Grade 12 Homework: 1 Scholar Class</p>	<p>Intended for seniors, AP Lit/Comp is designed as a college-level English class. The course requires width, depth, and maturity in reading and writing experience. Writing as an integral part of the course will reinforce critical reading skills taught across the spectrum of genres. Focusing on literary analysis, student writing will demonstrate organization and coherency in concert with persuasive critical analysis. An emphasis is placed on the author's use of language, tone, voice, and other literary elements. Students will read numerous outside texts and submit a written response for each. Course workload and pace are college level and will include practice AP exams throughout the year. Summer reading is required.</p>

English (continued)

Course Information	Requirements & Recommendations	Course Description
Achieving Career and Education Success (ACES) 1 Semester	Grades 10-12 Homework: 2	This course presents the skills needed for university success and initiates students to career planning and development. Students evaluate their abilities and interests in order to develop career goals and align these goals with an appropriate course of study. Through a career investigation project, students are introduced to research techniques. Students also improve on academic skills necessary to successfully complete university work, such as critical thinking, study techniques, and test taking strategies. In addition, students are introduced to important dynamics of interpersonal communication and conflict resolution.
Presentation Techniques 1 Semester	Grades 10-12 Homework: 2	This course introduces and applies the theories and principles of effective communication. Students learn to organize and present clear, logical messages to specific audiences. They develop confidence in public speaking and increase their ability to in form and persuade listeners. They also implement critical thinking and listening skills. Finally, students exhibit the skills and tools necessary to construct, organize, and deliver effective speeches.
Genre Studies 1 Semester	Grades 11-12 Homework: 2	Science Fiction (or SF) is both a rapidly consumed version of modern, popular stories, as well as a firmly established genre of literature. This course will provide students with the means to explore the history and relevance of SF through several titles that are both enjoyable to read and worthy of the label of "literature." All the usual English class pursuits will still be practiced – including grammar, vocabulary, and writing – as they relate to and support the particulars of SF study and investigation. Students will make both formal and informal presentations, and will take part in a number of collaborative projects. This class may be included in the senior portfolio outcome requirement.



Industrial & Applied Technology

Course Information	Requirements & Recommendations	Course Description
Electronics 1 Semester	Grades 10-12 Homework: 3	This class is designed for females and males where students will learn basic electronics. The class is a lab-oriented, hands-on class. Students receive a good foundation for many electronic careers such as an electrician, auto technician, and others. Coverage of electrical theory, DC electronics, and some basic AC household electrical theory will be covered.
Woods Technology I 1 Semester	Grades 9-12 Homework : 3 <i>Fees will be based on complexity of the chosen project.</i> <i>This course can be used to meet .5 credit of the Visual/Performing Arts requirement.</i>	A class for female and male students that covers measurement, shop safety, hand tools, various power tools, and wood finishing techniques. Students will create a wood project utilizing skills of the operation of a drill press, band saw, router, and scroll saw. Students will be expected to work individually and cooperatively using the problem-solving process.
Woods Technology II 1 Semester	Grades 9-12 Homework : 3 Prerequisite: Woods Tech. I <i>Fees will be based on the complexity of the chosen project.</i> <i>Can be used to meet .5 credit of the Visual/Performing Arts requirement.</i>	A class for females and males that builds upon Woods Technology I using additional machinery, joinery techniques, and the design process to produce a quality end product. Students are expected to carry themselves professionally throughout the twelve weeks. Evaluation of students will be centered upon attendance, shop safety skills, participation, and project degree of difficulty.
Woods Technology III 2 Semesters	Grades 10-12 Homework : 3 Prerequisites: Woods Technology I and II <i>Fees will be based on complexity of the chosen project.</i> <i>This course can be used to meet .5 credit of the Visual/Performing Arts</i>	A class for females and males that teaches advanced woodworking skills, mass production, and construction techniques. Teamwork and leadership skills will be acquired throughout the two semesters. Using Woods I and II knowledge, students are expected to produce high-end, top quality projects.
Consumer Auto 1 Semester	Grades 10-12 Homework : 3	If you ever plan to own a car, this class is designed for you. This course is designed for both men and women to provide them with knowledge of the automotive industry. This class is not intended to teach students to be technicians, but to be smart consumers who will know how to buy, lease, insure, and perform basic maintenance on an automobile.
Automotive Technology 2 Semesters	Grades 11-12 Homework : 3	A full-year, one-hour ON-CAMPUS vocational course. Open to appropriate female and male juniors and seniors. Class is intended for those considering a career in the automotive industry. State of Michigan Mechanic Certification is obtainable in this course. Students will be expected to perform class and lab duties.

Industrial & Applied Technology

(continued)

Course Information	Requirements & Recommendations	Course Description
<p>Construction Technology 2 Semesters</p>	<p>Grades 10-12 Homework : 3 Prerequisite: Passing CORE assessment (Woods I/II)</p>	<p>Construction Technology is a full-year course that provides basic knowledge and principles of carpentry, masonry, concrete finishing, electrical work, HVAC, and plumbing. Students will become skilled in different phases of a project from start to finish. Once completing this course, they will be able to interpret construction drawings; perform quality concrete and brickwork; frame walls, ceilings, and floors of a structure; and install the proper wiring and piping for electrical and plumbing systems.</p>

Information Technology

Course Information	Requirements & Recommendations	Course Description
Microsoft Imagine Academy 1 Semester	Grades 9-12 Homework : 3 <i>Note: A minimum of 20 hours of online learning will be incorporated into this course.</i> Microsoft IT Academy Certification possible	A computer class to prepare students for success in using computer features. Students will learn to work more effectively to complete tasks and projects for school, personal use or the workplace. Students will apply word processing, spreadsheet, data base, and presentation skills to complete small tasks and integrated projects while using Microsoft Office Suite 2016 with the ability to earn Microsoft IT Certification in Word and PowerPoint ending with student's ability to take the Microsoft tests for each program with the possibility of earning certification. This will give the student skills that they can show future employers.
Business Leadership 1 Semester	Grades 10-12 Homework : 3 Prerequisite: Currently enrolled in or have successfully completed Microsoft Imagine Academy	An elective class designed to incorporate leadership, business ethics, team work, networking, marketing, problem solving, presentations, career exploration, personal finance, employability and communication skills at a high level. Students will accomplish this through class discussion, team-building activities, job shadowing, guest speakers, and modules.
Digital Arts 1 Semester	Grades 10-12 Homework : 3 <i>This course can be used to meet .5 credit of the Visual/Performing Arts requirement.</i>	This is a project-based class, designed for students with an interest in digital photography, video, and the creative use of text and digital imagery. Students will explore various online options for creating digital content, as well as computer software designed for photo and video editing. Students will also investigate the creative use of various digital devices.
Marketing 1 Semester	Grades 10-12 Homework : 2	This course is offered to male and female students who have an interest in owning their own business or want to study business as a major or minor in college. This introductory class has students learn about the basics of marketing a product and product planning, advertising/selling, customer relations, promotion, inventory/distribution, marketing management, financial, and entrepreneurship. Along with this students will create ads, logos, and other business publications.
Web Page Design 1 Semester	Grades 10-12 Homework : 3 Prerequisite: Microsoft Imagine Academy Scholar Class <i>Can be used to meet .5 credit of the Visual/Performing Arts requirement.</i>	A class offered to both male and female students in which they learn to use Adobe Suite software. In using Dreamweaver students will design websites, create and modify images and animated gif's with Photoshop, and create animations using Flash. All these will be integrated to create a functional professional business website. This course also covers design and layout techniques, internet security, copyright laws, internet services and tools, internet addressing and networking, advanced searching techniques, e-commerce, file types, registering websites, and coding.
A.P. Computer Science Principles 2 Semesters	Grades 10-12 Homework : 1 Prerequisite: Successful completion of Algebra I Scholar Class <i>Can be used to meet 1.0 credit of the Math requirement.</i>	The Advanced Placement Computer Science Principles course is designed to be equivalent to a first-semester introductory college computing course. In this course, students will develop computational thinking skills vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. The course engages students in the creative aspects of the field by allowing them to develop computational artifacts based on their interests. Students will also develop effective communication and collaboration skills by working individually and collaboratively to solve problems, and will discuss and write about the impacts these solutions could have on their community, society, and the world.

Information Technology/CTE

Course Information	Requirements & Recommendations	Course Description
<p>Accounting 2 Semesters</p>	<p>Grades 10-12 Homework : 2 * Math-Related Course CTE course</p>	<p>Hands-on experience of double entry accounting which includes classifying accounts, balancing a checkbook, recording daily transactions in journals, ledgers, preparing payroll, and preparing financial statements for a business. Males and females will learn and complete the accounting cycle for a sole proprietorship, partnerships and a corporation. Class combines on-line journals/ledgers along with Automated Accounting software, discussions, and tests along with in-class instruction. Students will also be working towards their certification in Excel through the Microsoft Imagine Academy. Highly recommended for any student planning for a career or college education in the field of business or marketing.</p>
<p>Advanced Accounting 2 Semesters</p>	<p>Grades 11-12 Homework : 2 Prerequisite: Accounting I Scholar Class * Math-Related Course CTE course</p>	<p>This elective course is designed for college-bound students or those who want to own their own business. It includes a review and business simulation of accounting practices learned in Accounting I. Emphasis is placed on corporations and on analyzing figures for making sound management decisions. Topics studied are inventory, depreciation, advanced payroll, departmental accounting, taxes, and capital accounts. Students will also be working towards their certification in Excel through the Microsoft Imagine Academy. Class combines on-line assignments, small discussions, and tests.</p>



Mathematics

A graphing calculator will be used.

Four math credits are required—including:

- Algebra I
- Algebra II
- Geometry
- A math or math-related credit is required in the senior year.

Course Information	Requirements & Recommendations	Course Description
Algebra I 2 Semesters	Grade 9 Homework: 1	A course designed for students in the ninth grade. Topics include the following: the real number system, algebraic properties, rational numbers and their application, equations, inequalities, polynomials, factoring, rational expressions, functions and graphs, graphing linear equations, systems of open sentences, radical expressions, quadratics, statistics, and probability. The class will include the use of a graphing calculator.
Geometry 2 Semesters	Grades 9-11 Homework: 1 Prerequisite: Passing grade in Algebra I	A study of plane and solid Euclidean geometry. It is designed to introduce students to inductive and deductive reasoning. It also introduces definitions and theorems important for students who plan to enroll in more advanced mathematics courses. Topics include the following: congruence, parallel lines, parallelograms, similarity, circles, area, volume, transformations and visualization, and coordinate geometry. Emphasis is on application and problem-solving.
Algebra II 2 Semesters	Grades 9-12 Homework: 1 Prerequisite: Passing grade in Algebra I	The second year of algebra that integrates and expands upon topics from beginning algebra. Topics include the following: properties of real numbers, equations and inequalities, applications of linear graphs and linear systems, operations involving polynomials and rational expressions, relations and functions, conic sections, radicals, complex numbers, quadratic, exponential, and trigonometric functions, and sequences and series. This class will include the use of a graphing calculator.
Algebra III 2 Semesters	Grades 9-12 Homework: 1 Prerequisite: Passing grade in Algebra II and Geometry Scholar Class	This course is designed to be taken after Algebra II and before Pre-calculus. Topics include conic sections, sequences, series, probability, trigonometry, and trigonometric identities. A third year of Algebra will strengthen your base knowledge in math and allow you to excel in precalculus and calculus. This class will include the use of a graphing calculator.
Precalculus 2 Semesters	Grades 11-12 Homework: 1 Prerequisite: Passing grade in Algebra III Scholar Class	A course which reinforces and expands on the study of trigonometry. Other topics covered include the following: algebraic, logarithmic, and exponential functions; basic operations involving matrices; application of permutations and combinations; probability and statistics; vector algebra and geometry; polar coordinates and complex number; recursion and math induction; and an introduction to beginning calculus. This course is designed for the student who intends to continue the study of mathematics in the natural or physical sciences, including engineering or the social sciences. This class will include the use of a graphing calculator.

Mathematics

(continued)

Course Information	Requirements & Recommendations	Course Description
Statistics 2 Semesters	Grade 12 Homework: 1	This course is designed to apply mathematics in a variety of topics. Topics include set theory, place value systems, apportionment, expected value, election theory, combinations and permutations, consumer mathematics, descriptive statistics, and logic. The emphasis of this course is problem solving.
Advanced Placement Calculus 2 Semesters	Grade 12 Homework: 1 Prerequisite: Passing grade in Precalculus or concurrently enrolled in Precalculus Scholar Class	A full-year course for seniors, designed to prepare the student for the A.P. Calculus Exam given in May. Topics covered in this course are the same as those listed in the course description published by the College Board. The topics include the following: evaluation of limits, the application of the definition of the derivative and other methods of differentiation, computation of average and instantaneous rates of change, application of the derivative (curve sketching, related rates, and maxima/minima problems), evaluation of integrals, use of integrals to compute area between curves and volume of revolution. These topics are the same as those covered in a first semester college calculus course. This class will include the use of a graphing calculator.
Personal Finance 2 Semesters	Grade: 12 Homework: 2	This course meets the 4th year math requirement. Students will calculate different kinds of pay and taxes. Students will learn how to make bank deposits and withdrawals and the math calculations involved in banking. Students will explore unit pricing and determine the best buy of a product. Students explore the math involved in loans, vehicle and transportation costs, housing costs, insurance, and investments



Physical Education

1 credit required—which must consist of 2 Semesters of course work and include:
 .5 credit in Physical Education and .5 credit in Health

Course Information	Requirements & Recommendations	Course Description
Physical Education 1 Semester	Grade 9-12 Homework: 3 <i>Daily dress and participation is required.</i>	A class that will cover both physical and health education. Required of all students for graduation.
Health Management 1 Semester	Grades 9-12 Homework: 2 <i>Note: A minimum of 5 hours of online learning will be incorporated into this course.</i>	A class required for all students for graduation. Includes units on: nutrition; hygiene; personal care; mental, emotional, and social health; drugs; alcohol; tobacco; body disease; and AIDS awareness. Includes abstinence-only sex-based education.
Weight Training & Personal Fitness 1 Semester	Grades 10-12 Homework: 3 <i>Daily dress and participation is required.</i>	This course is open to sophomores, juniors, and seniors. Sophomores are admitted if space permits. The class will involve exercise, aerobic training, cardio and hard work. This class may be taken more than once.
First Aid 1 Semester	Grades 10-12 Homework: 3 <i>Note: If the student desires first aid cards, there will be a \$35 fee per student for all three of the first aid cards from the Red Cross.</i>	A class for sophomore, juniors, and seniors. Basic first aid skills will be taught as well as Cardiopulmonary Resuscitation and Basic Life Support. American Red Cross cards will be issued in Basic First Aid, Cardiopulmonary Resuscitation, AED, blood borne pathogens, and Basic Life Support if tests and requirements are met. This class may be taken more than once.
Exploring Outside Recreation 1 Semester	Grades 10-12 Homework : 3	This is an elective class for sophomores, juniors, and seniors learning about basic hunting and conservation education with a focus on interaction with wildlife. This class will teach hunting skills and hunting laws of Michigan. We will also be a part of the NASP Program and enter in the state archery tournament. This class may be taken more than once.
Lifetime Sports 1 Semester	Grades 10-12 Homework: 3 <i>Daily dress and participation is required.</i>	A class for sophomores, juniors, and seniors. The emphasis will be on activities that will carry over to adult life and team sports. This class may be taken more than once.
Sports and Nutrition 1 Semester	Grades 10-12 Homework: 3 <i>Daily dress and participation is required.</i>	An elective class that will cover both nutritional eating and life time exercise. This class will be designed to assist students in learning how to live a healthy and fit lifestyle. Meal planning and preparation will be a part of this course.



Science

Total of three (3) science credits required:

- 9th: Biology
- 10th: Physical Science
- 11th or 12th: One additional science credit in any science elective two-semester course or combination of single semester elective science courses.

Course Information	Requirements & Recommendations	Course Description
Biology 2 Semesters	Grade 9 Homework: 2	State requirement for all students. The study of life. Study of organisms and their interactions with the nonliving components of the environment. Major themes covered include: chemistry of life, cells, genetics, evolution, body systems, plants, micro organisms, classification, and ecology.
Physical Science 2 Semesters	Grade 10 Homework: 2	Required of all sophomore (10th grade) students. Physical Science is the study of heat, light, motion, geology, astronomy, and chemistry.
Environmental Science 2 Semesters	Grades 11-12 (should be taken as a junior) Homework: 3 Prerequisites: Completion of Biology and Physical Science	A course survey of the major themes of science. The course will be based upon natural phenomenon and the explanation of those natural phenomenon based on life, physical, and earth science concepts. The course is designed to allow students to explore their own explanations for natural phenomena based upon well established scientific procedures.
Chemistry 2 Semesters	Grades 10-12 Homework: 2 Prerequisites: Physical Science and successful completion of Algebra I Scholar Class	A course designed to prepare students for college-level chemistry. Includes introduction to matter, energy, atomic structure, electron configuration, chemical reactions, reaction stoichiometry, enthalpy, forces that influence physical state, inorganic as well as organic chemistry, and more. May be taken in conjunction with Physical Science. Required for those hoping to pursue A.P. Chemistry.
Anatomy & Physiology A & B 1 Semester	Grades 10-12 Homework: 2 Prerequisite: Successful completion of Biology Scholar Class	The course is designed to simulate a college-level anatomy and physiology course based upon the study of the different organ systems that compose the human body. Each semester covers a variety of systems that are loosely grouped according to how they interact with one another. A two-semester offering of the course will cover all of the major human organ systems. Each semester may be taken independently from the other for .5 of a science credit.
Introduction to Human Genetics & Science Etymology 2 Semesters	Grades 10-12 Homework: 2 Prerequisite: Successful completion of Biology Scholar Class	A course studying Human Genetics, both normal and abnormal. Will emphasize basic understanding of simple Mendelian, multiple allelic, sex-linked, polygenic, and codominant inheritance patterns. Intermixed throughout the year will be selections of Science Etymology, with emphasis on Greek and Latin roots instrumental in the study of the human body.
Botany 1 Semester	Grades 10-12 Homework: 2 Prerequisite: Successful completion of Biology Scholar Class	Single semester class with an in-depth study of the kingdom Plantae. This class will take students beyond what they have learned about plants in Biology and cultivate an appreciation for the characteristics, diversity, and roles that plants play within ecosystems. Class will incorporate lecture and lab, using a college-level text as the basis for class work.

Science (continued)

Course Information	Requirements & Recommendations	Course Description
Zoology 1 Semester	Grades 10-12 Homework: 2 Prerequisite: Successful completion of Biology Scholar Class	Single semester class with an in-depth study of the kingdom Animalia. This class will take students beyond what they have learned about animals in Biology and foster an appreciation for the characteristics, diversity, and roles that animals play within ecosystems. Class will incorporate lecture and lab, using a college-level text as the basis for class work.
Physics 2 Semesters	Grades 11-12 Homework: 2 Prerequisite: Algebra II or higher math. Scholar Class * Math-related course (if not used to meet a science requirement)	Full-year course in the study of forces and motion, waves, energy, and applications of universal physical laws. Recommended for students considering the fields of engineering and medicine.
Advanced Placement Biology 2 Semesters	Grades 11-12 Homework: 1 Prerequisite: Successful completion of Biology; not required but suggested completion of Anatomy & Physiology Scholar Class	A full-year study of biology at a college level. The course is designed to meet all college board requirements for advance placement. Major themes covered are: the cell, photosynthesis, glucose metabolism, genetics, evolution, systematics, plant anatomy and physiology, animal anatomy and physiology, and ecology. Students who successfully complete all of the course are eligible to take the advanced placement biology exam for college credit.
Advanced Placement Chemistry 2 Semesters	Grades 10-12 Homework: 1 Prerequisites: Successful completion of Chemistry, and Algebra II or higher math. Scholar Class	A full-year study of chemistry equivalent to college level. The course is designed to meet all College Board requirements for advanced placement. Skills incorporated will include fundamental laboratory safety and procedures. Major themes covered include: structure and states of matter, reactions, stoichiometry, equilibrium, kinetics, thermodynamics, and more. Students who successfully complete all of the course are eligible to take the Advanced Placement Chemistry exam for college credit.



Social Studies

Three credits are required:

9th: 1.0 credit U.S. History

10th: .5 credit Government and .5 credit Economics

11th: 1.0 credit World History

Notes: A.P. World History can be used to meet the World History graduation requirement (or it can be taken as a separate course).

Course Information	Requirements & Recommendations	Course Description
Government 1 Semester	Grade 10 Homework: 2 <i>This course meets the state graduation requirement for Civics.</i>	A required class for sophomores. A study of the federal and state government system.
Economics 1 Semester	Grade 10 Homework: 1-2 <i>Note: A minimum of 5 hours of online learning will be incorporated into this course.</i>	A class required for sophomores which studies the behavior of individual players in an economy, especially what goes on in the marketplace. The study of the behavior of the economy as a whole and how major economic sectors, such as industry and the government interact. Studies the U.S. system of money and banking and examines the forces which influence our economy.
U.S. History & Geography 2 Semesters	Grade 9 Homework: 1	Required class for freshmen. A class in the history of the United States.
World History & Geography 2 Semesters	Grade 11 Homework: 1	Required class for juniors. World History is a study of early world civilizations and their impact on current world issues and developments.
History of American Criminal Justice 1 Semester	Grade 11-12 Homework: 2	This course offers a study of the legal system in the United States and how it has changed throughout the nation's history. This course will explain the major changes in American Jurisprudence and its effect on our society as a whole. We will examine the legal process from arrest to conviction, as well as examine the different classes of criminal charges.
Modern American History 1 Semester	Grades 10-12 Homework : 1 Scholar Class	This course will examine the last 30 years of American History starting with the Election of Ronald Reagan in 1980 and ending with the election of President Barack Obama. Some of the main topics covered in class will be: Election of Reagan/Early 80's, Collapse of Communism/Berlin Wall, Gulf War I, The Clinton Presidency and major events, September 11, 2001, The War on Terror/Iraq/Afghanistan, and Election of Barack Obama/Current Issues.
Social Studies 1 Semester	Grade 12 Homework: 1 Scholar Class	A class that surveys the current state of society in America by examining current issues. This course will focus on both individual and group behavior while exploring the impact each has on society.
Personal Economics & Finance 1 Semester	Grades 11-12 Homework: 3 * Math-Related Course	Study is on understanding and managing our money system, banking, savings, checking, budgets, mortgages, leases, contracts, insurance, etc. All real world applications.

Social Studies

(continued)

Course Information	Requirements & Recommendations	Course Description
<p>U.S. History: The Civil War and Reconstruction 1 Semester</p>	<p>Grades 10-12 Homework: 2 <i>(This course will not be offered in 2020/2021 but will be offered again in 2021/2022.)</i></p>	<p>This course offers an in-depth study of the American Civil War focusing on the people and the battles that shaped the bloody conflict which tore the nation apart. We will discuss the events immediately prior to the start of the war which would go on to cause unbelievable death and destruction. The course will conclude with the study of reconstruction efforts which attempted to heal America and move the country forward.</p>
<p>Modern World History 1 Semester</p>	<p>Student Council 1 Semester Grades 11-12 Homework : 1 <i>(This course will be offered in 2020/2021 and will be offered again in 2022/2023.)</i> Scholar Class</p>	<p>The Modern Era involves studying political, social, economic, and technological changes in the world from the Industrial Revolution to the present. By the end of the course, students will be able to trace the impact of geography on the course of human history, explain the importance of political and social systems of the past and present, trace the impact of technology on history, and explain the role of economics in the past, present, and future of our world.</p>
<p>A.P. World History 2 Semesters</p>	<p>Grades 11-12 Homework: 1 Scholar Class <i>This course can be used to meet the World History graduation requirement (or it can be taken as a separate course).</i></p>	<p>The Advanced Placement Program (AP) offers a course and exam in World History to students who wish to complete studies in Secondary School Equivalent to an introductory college course in World History. This course will focus on the major developments which have taken place throughout history in the major civilizations in Africa, the Americas, Asia, and Europe.</p>
<p>Student Council 1 Semester</p>		<p>Student Council is a required course for the presiding president and an elective course for all officers. Student(s) will develop quality leadership skills through service learning, independent and group projects, and planning/ facilitating various school and community activities. Student(s) will learn about the characteristics of great leaders and great citizens (school, community, and nation) while appreciating what it means to serve others. Enrollment is restricted to current student council members. Student(s) will be required to work outside of classroom time and school hours.</p>



Visual/Performing Arts

Note: The following Art classes have an associated fee: Drawing & Painting I & II, Advanced Drawing & Painting, Pottery I, Advanced Pottery, and Advanced Studio Art.

- Students taking one of these classes will have a \$10 art fee.
- Students taking more than one of these art classes per year will only be assessed a fee of \$15.

Course Information	Requirements & Recommendations	Course Description
Introduction to Art 1 Semester	Grades 9-12 Homework: 3 <i>* No fee required</i>	A class that allows students to explore their interests in visual art. No art experience/talent required. After completing this course, the student will know if they would like to pursue visual art education.
Drawing & Painting I 1 Semester	Grades 10-12 Homework: 3 Prerequisite: Introduction to Art <i>* Please see the above note regarding fee.</i>	A course for students who successfully completed Introduction to Art, and are interested in continuing their studies in the field of visual art. Drawing and painting techniques explored with a variety of mediums.
Drawing & Painting II 1 Semester	Grades 10-12 Homework: 3 Prerequisites: Introduction to Art, Drawing & Painting I <i>* Please see the above note regarding fee.</i>	Drawing and painting techniques learned in the previous course will be explored further, as well as the introduction of some other techniques.
Advanced Drawing & Painting 1 Semester	Grades 11-12 Homework: 3 Prerequisites: Introduction to Art, Drawing & Painting I & II <i>* Please see the above note regarding fee.</i>	A course designed for students who have successfully completed Drawing & Painting I & II and want to continue advanced studies. This course is designed for the serious/mature art student with goals about their career pertaining to art.
Pottery I 1 Semester	Grades 9-12 Homework: 3 <i>* Please see the above note regarding fee.</i>	A course focusing on the construction of clay pots through hand building. Pinch, coil, slab, glazing, and firing techniques are the focus. Must be successfully completed in order to take Advanced Pottery.
Advanced Pottery 1 Semester	Grades 10-12 Homework: 3 Prerequisite: Pottery I <i>* Please see the above note regarding fee.</i>	A course continuing hand-building techniques from Pottery I with introduction to the potter's wheel and sculptural techniques in clay.
Advanced Studio Art 1 Semester	Grades 11-12 Homework: 3 Prerequisites: Introduction to Art, Drawing & Painting I & II, or Pottery and Adv. Pottery <i>* Please see the above note regarding fee.</i>	This course is designed for students who are interested in an opportunity for independent study in multiple art mediums. Students must have successfully completed prerequisites along the Drawing & Painting or Pottery tracks. This course is for mature art students with a genuine interest in art and the desire to possibly prepare for a career pertaining to art. Students must be creative and self-motivated. This class requires instructor approval.

Visual/Performing Arts (continued)

Course Information	Requirements & Recommendations	Course Description
Design 1 Semester	Grades 9-12 Homework: 3 Prerequisites: Introduction to Art	A course designed for students interested in solving creative problems related to design careers. Design careers covered in class will vary but may include Fashion Design, Architectural Design, Package Design, Interior Design, Costume Design, etc.
Concert Band 2 Semesters	Grades 9-12 Homework: 2	A full-year class that includes Marching Band with all students from Symphonic Band. This is a performance class and there will be performances outside the regular school day. Requires prior experience on a band instrument.
Symphonic Band 2 Semesters	Grades 9-12 Homework: 2 Scholar Class (in 11th <u>or</u> 12th grade only)	A full-year class that includes Marching Band with all students from Concert Band. This is a performance class and there will be performances outside of the regular school day. Requires prior experience on a band instrument. Audition required.
Chorus 2 Semesters	Grades 9-12 Homework: 3	A full-year class open to all students. This is a performance class and there will be required performances outside the regular school day. Students perform a variety of choral literature that is intended to help them achieve excellence as a choral ensemble. Skill areas focused on include: tone quality, pitch elements, rhythm elements, diction, interpretation, and presentation.
Concert Choir 2 Semesters	Grades 9-12 Homework: 2 Scholar Class (in 11th <u>or</u> 12th grade only)	A full-year class for advanced singers. This is a performance class and there will be required performances outside the regular school day. Students perform a variety of advanced choral literature that is intended to help them achieve excellence as a choral ensemble. Skill areas focused on include: tone quality, pitch elements, rhythm elements, diction, interpretation, and presentation. Required previous experience singing in choir, singing in musicals, or playing an instrument. Audition required.
Elements of Music 1 Semester	Grades 9-12 Homework: 3	Students will achieve a higher understanding of the elements and fundamentals of music including: theory, ear training (aural skills), history and appreciation. They will be exposed to different forms in music, the analysis of chords, scales, modes and simple part writing. They will also be exposed to the history of music, how it affects modern music and an appreciation of the majority of musical styles. This is not a performance based class.



World Languages

Course Information	Requirements & Recommendations	Course Description
German I 2 Semesters	Grades 9-12 Homework: 1 <i>A foreign language is strongly recommended for college-bound students.</i>	A class that introduces students to the German language and Germanic culture. Students develop elementary speaking, reading, and writing skills. Strong emphasis is also placed on oral comprehension, the structure of the language, and vocabulary building. Assignments include bookwork, flashcards, skits, and cooking.
German II 2 Semesters	Grades 10-12 Homework: 1 Prerequisite: German I Scholar Class <i>A second year of foreign language is recommended for college-bound students.</i>	A course which extends students' knowledge of the structure of German as well as their listening, speaking, reading, and writing skills. Strong emphasis is placed on conversing in German. Students will research the cultures of Austria and Switzerland, and will continue to complete book work, as well as skits, projects, and writing assignments. Students take a trip to a German restaurant.
German III/IV 2 Semesters	Grades 11-12 Homework: 2 Prerequisite: German II Scholar Class	A scholar course open to all students who completed German II. In this class, students review German grammar and concentrate on enhancing their speaking, reading, and writing skills, as well as increasing their familiarity with German history and culture through research projects and performances. Students keep a weekly journal. Students will participate in a world language performance and take a trip to Frankenmuth. By the end of the course, students should be able to read, speak, and write correctly in any tense.
Spanish I 2 Semesters	Grades 9-12 Homework: 1 <i>A foreign language is strongly recommended for college-bound students.</i>	This class introduces students to the Spanish language and Hispanic culture. Students develop elementary speaking, reading, listening, and writing skills. Strong emphasis is placed on oral comprehension and communication, the language structure, and vocabulary building. Students take a field trip to a Mexican restaurant.
Spanish II 2 Semesters	Grades 9-12 Homework: 1 Prerequisite: Spanish I Scholar Class <i>A second year of foreign language is recommended for college-bound students.</i>	A scholar course which extends students' knowledge of the structure of Spanish as well as their listening, speaking, reading, and writing skills. Hispanic culture is explored in greater depth as well. Students take a field trip to experience Hispanic culture.
Spanish III/IV 2 Semesters	Grades 10-12 Homework: 1 Prerequisite: Spanish II Scholar Class	A scholar course in which students polish their knowledge of Spanish structure. The course will include vocabulary on a rotating yearly basis, so that Spanish IV students will learn vocabulary that they did not learn in Spanish III. There are many opportunities for creative use of the language in both oral and written forms. All students write and illustrate a children's story. Students will work in partners to present a Spanish lesson to an elementary classroom. Students take a field trip to experience Hispanic culture. The final project is a class book with essays and pictures. All students receive a copy.

Work-Based Learning

REQUIREMENT: Prior approval of the Work-Based Learning coordinator and school counselor. When a junior or senior finds a job related to a class in which they are currently enrolled or were previously enrolled, Work Based Learning may be set up for the student to receive released time from school, class credit, and wages. The pupil's career or education goals, as outlined in their education development plan (EDP) must relate to the placement. Arrangements must be made with the Work-Based Learning coordinator. Juniors and seniors are permitted to be released from school for up to two periods (maximum 1.0 credit per semester) a day and must carry a minimum of four periods of other classes. A student must work ten (10) hours per week/per class period released. Additional information and guidelines are available from the Work-Based Learning coordinator.



Notice of Nondiscrimination

The Lakewood Public School District prohibits discrimination and/or harassment in all programs and activities. This prohibition includes discrimination and/or harassment on the basis of age, race, creed, color, gender, national origin, cultural or economic background, height, weight, marital status, lack of English language skills, or disability. Any person who believes that he or she has been unlawfully discriminated against or harassed may bring forward a complaint, which will be referred to as a grievance, to the local Civil Rights Coordinator at the following address: Superintendent, Lakewood Public Schools, 223 W. Broadway, Woodland, MI 48897, [616.374.8043](tel:616.374.8043). Board Policy 2260 prohibits harassment and discrimination and is available online and upon request.