



CURRICULUM  
GUIDE  
2021-2022



**Lake Linden-Hubbell High School**  
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## Course Withdrawal

A student may withdraw from a course without penalty during the first three weeks of the semester. If the course is a 9 week class, this would apply to the marking period. If a student drops the course after this period, they will receive a failing grade for the semester.

## Credit Policy

A student who successfully completes a one semester of a course that meets one period per day will earn one credit.

A student who successfully completes an approved, one semester, two or three credit hour course through dual enrollment, will earn one credit.

A student who successfully tests out of a one semester course that meets one period per day will earn one credit.

A student who successfully completes one semester of a CCISD Career and Technical Education class that meets two periods per day will earn two credits.

## Credit Requirements for Class Standing

Promotion of middle school students to the next grade level is made on an individual basis by the principal, in consultation with the student's teachers and the guidance counselor, based on the student's current level of achievement, potential for success at the next level, and emotional, physical, and/or social maturity.

A high school student's progress toward graduation and receiving a diploma is determined by completing required coursework, earning the necessary credits and passing ACT/MEAP tests. A student is only promoted when the necessary requirements are met, or the student has completed the goals and objectives of an Individualized Education Plan. It is the student's responsibility to keep in contact with the guidance counselor to ensure that all requirements are being met.

The following number of earned credits designates the grade in which the student will be registered:

- |                        |  |
|------------------------|--|
| 9 <sup>th</sup> Grade  | Students who have earned six (6) or fewer credits.                   |
| 10 <sup>th</sup> Grade | Students who have earned seven (7) to eighteen (18) credits.         |
| 11 <sup>th</sup> Grade | Students who have earned nineteen (19) to twenty-eight (28) credits. |

12<sup>th</sup> Grade      Students who have earned twenty-nine (29) credits or more.

## Dual Enrollment

The Michigan State Legislature passed legislation, commonly known as the "Dual Enrollment" bills, providing for students to earn college credit while in high school. Eligible students in grades 9 through 12 may take college courses as a part of their regular high school schedule for either high school credit, college credit, or both. The Lake Linden-Hubbell school district will pay the lesser of either the actual charge of tuition and fees, or a pro-rated portion of their foundation allowance for each eligible dual enrollment course a student takes. Eligible courses must not be offered by the high school, and must lead towards postsecondary credit, accreditation, certification and/or licensing. Courses that are a hobby, craft, recreational or are in the areas of physical education, theology, divinity, or religious education, cannot be taken through dual enrollment

Student eligibility to participate in dual enrollment is a local decision that is made on a case by case basis, considering multiple sources of information about whether or not a student is ready for a postsecondary educational experience. At a minimum, the following qualifications must be met:

- The student must be enrolled in both the district and the post-secondary institution during the district's regular academic year.
- The student must have met all of the grade level course requirements.
- The student must have met the cut scores from one of the appropriate standardized tests established by the State of Michigan.

Students who would like to dual enroll can pick up a dual enrollment application in the guidance office.

## Eligibility

Any student who participates in any extra-curricular event including, but not limited to, athletics, student work staff, cheerleading, annual staff, student council, quiz bowl and managers, must comply with the following eligibility criteria:

- A student carrying the standard of six elective and required hours must pass five of the six hours.
- A student carrying seven elective and required hours must pass six of the seven hours.
- A student carrying five or less hours must pass all of them.

The eligibility status of a student having a schedule that is customized to address an individual need will be subject to review by a team consisting of the principal, athletic director and at least one of the following people: coach, advisor, counselor, or teacher. A decision made to determine extra-curricular participation for the assessment week will remain in effect until the course grade is raised to eligibility status or until the following Monday of the event season. A minimum of a D- is required for passing status.

## Grade Point Average

### Unified Grading Scale

Lake Linden-Hubbell School District has a standard grading procedure to indicate the extent to which a student has acquired the necessary learning in each class. Students are generally assigned grades based upon test results, homework, projects and classroom participation. Each teacher may place a different emphasis on these areas in determining a grade and will so inform the students at the beginning of the course work. Questions about the grading of a particular class should be directed to the teacher. The grading system is as follows:

100 – 94%	A	
93-90%	A-	
87-89%	B+	
84-86%	B	
80-83%	B-	
77-79%	C+	
74-76%	C	
70-73%	C-	
67-69%	D+	
64-66%	D	
60-63%	D-	
59% or less	E	
Incomplete	I	There is still work to be completed prior to issuing a final grade.
Passing	P	Sufficient work was completed, but a letter grade was not issued.
Unsatisfactory	U	Insufficient work was completed, but a letter grade was not issued.

### Semester Grade Determination

Students will receive a semester grade based on the two marking periods and the semester exam. The marking period grades are each 40% of the final semester grade, and the semester exam is 20%. If any two of the three grades are failing grades, the semester grade is automatically a failing grade. If any two of the three grades are passing grades, the semester grade cannot go lower than a D-, even if the calculation results in a score below 60%. In the

event that there are only two grades (student exempt from taking the semester exam), the quarter grades will each be 50% of the final semester grade.

Examples

<u>First M.P.</u>	<u>Second M.P.</u>	<u>Sem. Exam</u>	<u>Semester Grade</u>
A (94%)	B (88%)	C+ (77%)	B+ (88.2%)
B+ (89%)	B+ (89%)	A (95)	A- (90.2%)
E (50%)	C+ (79%)	E (55%)	E (62.6%, but 2 failing grades)
D- (60%)	E (55%)	D (65%)	D- (59%, but 2 passing grades)
A (96%)	B (86%)	Exempt	A- (91%)

Overall Grade Point Average

A student’s overall or cumulative grade point average is the numerical average of all of his or her semester grades on a four point scale as listed below. Each semester grade is converted to a number on the four-point scale, they are added, and the sum is divided by the total number of grades. The overall grade point average is used to determine sports eligibility and honor roll, and is typically used for college admissions and scholarship applications. Semester grades of P or U are not included in any grade point average computation.

A	4.0
A-	3.67
B+	3.33
B	3.0
B-	2.67
C+	2.33
C	2.0
C-	1.67
D+	1.33
D	1.0
D-	0.67
E	0

## Academic Grade Point Average

A student's academic grade point average is figured in the same manner as the overall grade point average, but using only grades from the core academic courses that all students take as a part of meeting their graduation requirements. Courses that are hands-on, such as art, band, physical education and woods are not included in the academic grade point average. The academic grade point average is used to determine the Valedictorian and Salutatorian, membership in the National Honor Society, and Senior Honor Students for Commencement. For a complete list of courses excluded from the academic grade point average, see the guidance counselor.

## **Graduation Requirements**

To prepare Michigan's students with the knowledge and skills needed for the jobs in the 21<sup>st</sup> Century, the State of Michigan has enacted a rigorous set of statewide graduation requirements, the Michigan Merit Curriculum, that are among the best in the nation. By meeting these requirements, graduates from the Lake Linden-Hubbell School District will be well-prepared for future success in college and the workplace.

To graduate with a diploma from the Lake Linden-Hubbell School District, a student must pass each of the classes listed below, and earn the minimum number of credits. Students must also diligently plan, prepare for, and complete either the Michigan Merit Examination or the equivalent MI-Access tests as scheduled by the district.

Students enrolled in the Special Education program may have these requirements altered through their IEP's or through a personal curriculum, however such alterations may result in the students earning a certificate of completion instead of a diploma. Such alterations should be discussed thoroughly by the IEP team so that all possible ramifications are understood.

Students enrolled in the Early College program may use certain college level courses to meet some specific graduation requirements. These changes must be discussed with the guidance counselor and approved by the superintendent.

- English 9
- English 10
- English 11
- English 12
  
- Algebra I
- Geometry
- Algebra II

- Math Elective\*
- Physical Science
- Biology
- Chemistry or Physics
- World History
- U.S. History
- Economics (semester)
- Government (semester)
- Physical Education\*\*
- Computer Applications
- Visual or Performing Arts Elective\*\*\*
- Foreign Language\*\*\*\*
- Additional elective credits to total 44 credits.

\*All students are required to earn eight credits in math. Two of those credits must be earned during the senior year. The math elective credits may or may not be the last course taken in this sequence. In addition to traditional math classes, the math elective credits may also be met by taking Accounting, Building Construction, Auto Mechanics, Nursing Assistant, and Physics.

\*\*Two years of JROTC will also meet the Physical Education requirement.

\*\*\*There are a variety of ways to meet this requirement, including any class from the Applied Arts, Performing Arts, or Visual Arts sections of the course catalog, as well as several virtual classes.

\*\*\*\*The foreign language requirement applies only to the class of 2016 and beyond. To meet the requirement, students must complete four credits in the same language.

All traditional seated classes are eligible as virtual courses, as outlined in the student handbook.

A total of forty-four credits are required for graduation. The commencement exercises will include only those students who have successfully completed all requirements as outlined above.

## **Guidance and Counseling Services**

The Lake Linden-Hubbell school district has a guidance counselor to assist students in making decisions and changing behavior. The counselor works with all students, school staff, families, and members of the community as an integral part of the education program. The school counseling program promotes school success through a focus on academic achievement, prevention and intervention activities, advocacy and social/emotional and career development.

It is the goal of the school counselor to help prepare students to meet the expectations of higher academic standards and to become productive and contributing members of society. The counselor is actively committed to helping students understand that the choices they make will affect their future educational and career options. The purpose of the school counseling program is to impart specific skills and learning opportunities in a proactive and preventive manner which ensures that all students can achieve success through academic, career and personal/social development experiences.

## **Honor Roll**

The Honor Roll is posted after each quarter, and is based on the overall grade point average for the quarter. In the high school, honor roll designation is divided into three parts: All A's (4.00), 3.5 to 3.99, and 3.00 to 3.49. The middle school honor roll is also based on the overall grade point average for the quarter, but is separated into only two parts: All A's (4.00) and 3.00 to 3.99.

## **Remedial and Correspondence Courses**

It shall be the policy of the Board of Education to grant credit toward graduation with the successful completion of independent study, correspondence courses, or virtual credit recovery courses, providing the student meets the required criteria and these classes are approved by the principal. The grades earned from classes that are taken for credit recovery online or through correspondence courses are graded as a Pass/Fail, and will not be included in the student's grade point average. Approved virtual classes that are electives, or that are being taken for the first time, will be graded, and those grades will be included in the student's permanent record and grade point average.

## Student Assistance Teams

The SAT is a school team, which includes the parent(s) and the student, when appropriate, in a positive, problem solving, intervention process. It assists students by ensuring that everything possible is being done both at school and at home to make the student successful. Students are most successful where there is a strong spirit of cooperation between home, school, and community. Based on this shared responsibility, the SAT meets to explore possibilities and strategies that will best meet the educational needs of the students, and support teachers and parents. The SAT includes the most important people in the student's life, parents or caregivers, teachers, counselors, specialists, school administrators or designees, and any other school or community members who can provide support.

Students are typically referred by the classroom teacher, but any member of the school staff or a parent may request support from the SAT for a student whose learning, behavior or emotional needs are not being met under existing circumstances. Prior to the first SAT meeting, teachers likely will have implemented some classroom modifications to enhance learning for students. A modification may be as simple as a change in seating location, a daily assignment sheet, or an increase in the use of visual teaching aids. Sometimes a simple change can make a big difference for a student.

At the meeting, which typically takes approximately 20 to 30 minutes, a facilitator will lead the group through a discussion of the student's strengths, concerns, and history, as well as current interventions and outcomes. The team will then brainstorm additional strategies or interventions and outline a plan of action for student success. The parent(s) will also be asked to contribute information regarding the student's learning needs and help with the development of an intervention plan.

The SAT will meet again several weeks after implementation to check progress, and modify the plan as necessary.

## Testing Out

The Board shall grant high school credit in any course to a pupil enrolled in high school who has exhibited a reasonable level of mastery of the subject matter of a given course by attaining a grade of not less than C+ in a final exam in the course. Credit earned through testing out shall be based on a Pass grade, and shall not be included in the computation of grade point average for any purpose. Once credit is earned under this section, a pupil may not receive credit thereafter for a course lower in course sequence concerning the same subject area. A student may attempt to test out of a class one time only.

Dates for testing out will be announced at the beginning of each semester.

## **Work Permits**

The school does not encourage students to take jobs outside of school if that employment may impede their success at school. Any minor between eleven and eighteen years of age, not specifically exempted from the Youth Employment Standards Act (P.A. 90 of 1978), working in a paid or unpaid position, must have a work permit. Work permits are available in the Superintendent's Office.

# Applied Arts

## **CAD/3D Modeling**

Grade Level: 9-12

Elective: One year - 2 credits

Prerequisites: None

This course offers an introduction to the fundamentals of 3D design. Students work on hands-on projects and learn how to use Computer-Aided Design (CAD) software to create their designs. They are introduced to 3D printers and learn how to export their files to bring their designs to life.

## **Coding**

Grade Level: 9-12

Elective: One year - 2 credits

Prerequisites: None

This course covers a basic introduction to the principles of programming, including algorithms and logic. Students engage in hands-on programming tasks as they write and test their own code using the approaches real programmers use in the field.

## **Woods**

Grade Level: 9-12

Elective: One year - 2 credits

Prerequisites: None

This course is designed to give students a general understanding of project design and construction. Students will learn shop safety, tool identification, and how to properly use various power tools. Each student will learn the basics of drafting and how to draw a project plan using multi-view and isometric drawings. The students will then take the plan into the shop and construct the project. Other topics covered in this course include wood identification, use of abrasives and fasteners, and finishing techniques

## **Advanced Industrial Arts I, II, III**

Grade Level: 10-12

Elective: One year - 2 credits

Prerequisites: Woods

This course expands upon the skills learned in Woods. Students design and build a project of choice, which requires the use of fine carpentry skills. Advanced woodworking techniques are implemented into each student's projects.

## **Building Construction**

Grade Level: 11-12

Elective: One year - 2 credits

Prerequisites: Woods

The focus of this course is on light residential construction. A wide variety of practices and techniques are covered, including: building codes, blueprint reading, building site layout, foundations, rough framing, roofing, siding, drywall, and painting. Hands-on experience will be emphasized by building wood-framed structures and by completing a variety of construction-related tasks. Field trips and guest speakers are also used to illustrate the construction process.

# **Career and Technical** **Education**

## **Automotive Technology I and II**

Grade Level: 11-12

Elective: Full year – 4 credits (two class periods per day)

Prerequisites: None

The goal of the Automotive Technology program at the Copper Country Career and Technical Education Center is to introduce and prepare students to explore or enter the automotive field. This program provides a "head to hands-on" approach that will lead to success in post-secondary training and into an expanding automotive-related field. Students involved in this program may range from technician trainees to pre-engineering students. Some of the instructional areas to be covered are: front-end alignment; engine diagnosis; electrical systems; suspension; and brakes.

## **Computer Networking and Cybersecurity**

Grade Level: 11-12

Elective: Full year – 4 credits (two class periods per day)

Prerequisites: None

Students will examine the study of planning and managing system security within a TCP/IP network environment. Key topics include security architecture, cryptographic systems, security protocols, and security management tools. More specifically, subjects in this course include virus and worm propagation, malicious software scanning, cryptographic tools, intrusion detection, DoS, firewalls, best practices, and policy management.

## **Construction Technology**

Grade Level: 11-12

Elective: Full year – 4 credits (two class periods per day)

Prerequisites: None

This course is designed to prepare students for job entry in the construction field or advanced work in a technical school. The Construction Technology program provides the student with knowledge and skills to build a house from the foundation to its completion. Students achieve a wide variety of hands-on experiences, all related to the multi-faceted construction industry as listed in the content area below. Rules of health and safety as prescribed by the National Safety Council will be adhered to in this course.

## **Early Childhood**

Grade Level: 11-12

Elective: Full year – 4 credits (two class periods per day)

Prerequisites: None

Early childhood professionals are a link between the home and the school communicating with parents and meeting the needs of both children and families. They create a safe, healthy learning environment in which children can grow and develop. They may be classroom teachers, special needs aides, teaching assistants, parent and curriculum coordinators, or center directors.

## Graphic Design/Marketing

Grade Level: 11-12

Elective: Full year – 4 credits (two class periods per day)

Prerequisites: None

In this class students learn the basic principles of creative design. Learning is done on industry grade tools such as Adobe Illustrator, Adobe Photoshop and Adobe InDesign. In addition to being taught concepts of design, students will be able to work with clients and experience what it is like to design and market ideas to a large audience.

## Health Careers

Grade Level: 11-12

Elective: Full year – 4 credits (two class periods per day)

Prerequisites: None

The Health Careers program provides students with the opportunity to explore the many available career options in the health care profession. Students learn CPR (Cardio-Pulmonary Resuscitation), emergency first aid, medical terminology, basic anatomy and physiology, and the communication skills necessary for success in the health care field. After completion of the core curriculum, including-but not limited to-communication skills, professionalism, infection control, legal and ethical issues in health care, confidentiality, and safety, students have an opportunity to experience hands-on training and job shadowing in local facilities with professionals in the careers, they would like to explore. Students also research the roles of various health care professionals through reading, accessing Internet sites, and viewing educational videos to learn more about the careers they may be interested in pursuing. Guest lecturers in the classroom share their knowledge and demonstrate skills, while field trips allow students to get a first-hand look at many of the career options related to health care.

## **Nursing Assistant**

Grade Level: 11-12

Elective: Full year – 4 credits (two class periods per day)

Prerequisites: None

The Nursing Assistant program is ideal for students who would like to explore nursing as a possible career and for those who would like to work as a Nursing Assistant. This course will provide training for students to obtain the skills necessary to take the state of Michigan's competency evaluation exam to become a Certified Nursing Assistant (CNA). Upon successful completion of the exam, students will have their name placed on the state registry and will be eligible to work as a Nursing Assistant in hospitals, nursing homes and with health care agencies.

This course is a combination of theory, lab practicum (where students practice skills), and clinical instruction (students do direct patient care under the guidance of their instructor). Students enhance their verbal and written communication skills in a health care environment and learn the professional, legal and ethical issues related to health care. Students explore employment opportunities in this fast-growing field through field trips and guest speakers.

## **Welding**

Grade Level: 11-12

Elective: Full year – 4 credits (two class periods per day)

Prerequisites: None

The Welding Technologies/Manufacturing program prepares students for entry level job skills in the Welding field or participation in a community or technical college program. Instruction is provided in safety, cutting and bending steel, shielded metal ARC welding, gas metal ARC welding (wire feed), gas tungsten ARC Welding (TIG), oxy acetylene torch cutting, project layout and construction, daily maintenance of shop and equipment and employability skills.

Students are required to complete welding and cutting operations as well as a required project. Students are expected to take American Welding Society Certification tests available to students in ARC, MIG, and Flux Core ARC Welding. If a student passes any of these certification tests he/she will receive a nationally recognized certificate which is valuable for securing employment. Time in this course is split between lecture and hands on activities. Second year students will focus on Manufacturing skills which are required by local manufacturers.

# Dual Enrollment

Grade Level: 9-12

Elective: One semester - 1 credit

Prerequisites: Qualifying score on one of several assessments

Dual enrollment allows high school students the opportunity get a head start on college by taking college classes to earn college credit while still in high school. To qualify to dual enroll, a student must have earned a qualifying score on the EXPLORE, PLAN, ACT, MME, PSAT, SAT or COMPASS tests, must be enrolled as a student at Lake Linden-Hubbell High School, and must be enrolling during the district's regular academic year in a class that is not offered at the high school. For qualified students, the Lake Linden-Hubbell School District will pay the lesser of either the actual cost of tuition and fees for the course, or the student's foundation allowance, adjusted for the proportion of the school year they attend Lake Linden-Hubbell School District. Students who would like to dual enroll should pick up an application in the guidance office at least two weeks prior to the start of the semester. Courses available vary by institution and by semester.

## English

### **English 9**

Grade Level: 9

Required: Full year - 2 credits

Prerequisites: None

English 9 covers general grammar rules, vocabulary building, and writing. A research paper is required in the second semester. In literature, students will study short stories, the novel, a Shakespearean play, poetry and non-fiction. Several speeches are required.

### **English 10**

Grade Level: 10

Required: Full year - 2 credits

Prerequisites: English 9

English 10 is a comprehensive course that focuses on American literature. Students will study, in-depth, the literary talents of American authors. Students will also compose poetry, and write essays, short stories, children's books and journals. Students will study grammar and work on interpersonal communication skills.

## **English 11**

Grade Level: 11

Required: Full year - 2 credits

Prerequisites: English 10

English 11 is a study of English literature. The historical background of various time periods of each discipline and examples of different types of work by well-known authors are reviewed. Types of work that will be read are short stories, novels, plays, poetry, and one Shakespearean play. Essays will be written in critical thinking and literary analysis. Writing mechanics and grammar are covered.

## **English 12**

Grade Level: 12

Required: One year - 2 credits

Prerequisites: English 11

English 12 is a study of English literature. The historical background of various time periods of each discipline and examples of different types of work by well-known authors and their works are reviewed. Types of work that will be read are short stories, novels, plays, and poetry. Essays will be written in critical thinking and writing.

## **College Writing**

Grade Level: 12

Elective: Full year - 2 credits

Prerequisites: None

College Writing is modeled after first-year language courses on the college level. Using typical source readings and the student's background experience, essays are written to university level assignments to show the student what will be required of them in the future. Students are expected to participate in several formal discussions of college-level texts. Additionally, students learn the basic features of newswriting and create a school newspaper.

## **Creative Writing/Advanced Creative Writing**

Grade Level: 9-12

Elective: Full year - 2 credits

Prerequisites: None

Creative Writing and Advance Creative Writing are composition courses dealing with various prose, poetry, and dramatic forms. Students will learn and polish skills through writing. Emphasis on process and revision will be stressed.

# **Foreign Language**

## **SPANISH I**

Grade Level: 9-12

Elective: Full year - 2 credits

Prerequisites: None

Beginning Spanish teaches the basics of the Spanish language, the culture and how Spanish is spoken around the world. Emphasis is on the spoken and written word. Students will be able to speak basic Spanish and will know more about Spanish speaking regions through lessons, technology and projects.

## **SPANISH II**

Grade Level: 10-12

Elective: Full year - 2 credits

Prerequisites: Spanish I

The basic introduction to the language continues with more emphasis on Spanish artists, writers and the advanced language. Advanced tenses of verbs and extended vocabulary are studied. The spoken word will improve with all lessons and projects.

# Mathematics

## **Algebra I**

Grade Level: 9

Required: Full year – 2 Credits

Prerequisites: None

In Algebra I, properties of the set of real numbers are discussed and used to solve a wide range of problems, including solving equations for expressions. The primary goal of Algebra I is to familiarize students with algebraic expressions, with an emphasis on linear equations and other functions, and their usefulness in solving everyday problems.

## **Geometry**

Grade Level: 10

Required: Full year – 2 credits

Prerequisites: Algebra I

Geometry is the study of points, lines, angles and figures in space. Major topics of study include formal proof, deductive and inductive reasoning, indirect proof, space, geometry and trigonometry.

## **Algebra II**

Grade Level: 11

Required: Full year – 2 credits

Prerequisites: Algebra I

Algebra II is a problem-solving course designed to build on concepts learned in Algebra I. Major topics of study include linear systems, graph in space, determinants, probability, and exponential and logarithmic functions.

## **Analysis**

Grade Level: 11-12

Elective: Full year - 2 credits

Prerequisites: Algebra II

Analysis is a course designed to prepare students for college calculus and linear algebra. Major topics of study include analytic geometry, sequences and series, functions, limits, trigonometry and its applications, exponential and logarithmic functions, matrices, and vectors.

## **Consumer Math**

Grade Level: 12

Elective: Two Semesters – 2 credits

Prerequisites: None

This class will focus on the basic monetary skills needed to function in today's society. Topics covered include: checking and savings accounts, budgeting, investing, interest and the time value of money, credit, borrowing, purchasing, leasing and taxes.

# **Performance Arts**

## **Band**

Grade Level: 9-12

Elective: One year - 2 credits

Prerequisites: Middle school band or music background

High school band is geared towards performing about 25 times per year--in the Lakes Marching Band, the Lakes Pep Band, small ensembles and regular concert performances. To enroll in this class, students must be prepared to attend all marching band and concert band performances and a majority of pep band performances. They are a part of the class grade.

# Physical Education

## **Physical Education 9**

Grade Level: 9

Required: Full year-2 Credits

Prerequisites: None

Physical Education is a class that will stress physical fitness objectives, neuromuscular development, social situations, intellectual development and emotional reactions.

## **Advanced Physical Education**

Grades 10-12

Elective: Full year-2 Credits

Prerequisite: Must have a grade of C or better in 9<sup>th</sup> Grade PE, and have not failed any marking period of 9<sup>th</sup> Grade PE.

This class is designed for students who have an interest in staying active and fit, while playing a wide variety of organized activities, games and sports. Student leadership, respect, and good behavior are a must. Students will help to organize and officiate activities, and are expected to know and follow all the rules of the games or activities being played.

Activities include, but are not limited to tennis, bowling, cross-country skiing, weight training, volleyball, basketball, softball, soccer, football, kickball, dodge ball, ultimate Frisbee, golf, and Frisbee golf. Concepts covered will be the importance of rules, playing fair, training and fitness, organization, team play, student leadership, and skill development for team sports.

This course is not repeatable for credit without instructor approval.

# Science

## **Physical Science**

Grade Level: 9

Required: Full year-2 Credits

Prerequisites: None

Physical Science is the study of matter and energy as well as their interactions. The course will have an emphasis on physics, giving students an introduction to the laws of motion, forces, energy, and waves. Specific topics will include kinetic, potential, heat, and electrical energy as well as sound and light.

## **Biology**

Grade Level: 10

Required: Full year-2 Credits

Prerequisites: None

Through multiple educational strategies, students discover the parts and processes of living organisms and their interactions with each other. Unifying concepts including biochemistry, cell structure, genetics, evolution, reproduction, classification, and life characteristics are explored. Ecological relationships are also studied with an emphasis on human interactions with the environment. The course gives students a better understanding and appreciation of living systems and the world around them.

## **Advanced Biology**

Grade Level: 11-12

Elective: Full year-2 Credits

Prerequisites: Biology

This course will expand on the life science topics introduced in Biology and introduce new material that will provide students interested in the life sciences a firm background that will enhance their transition into university level science courses. The class will cover such topics as ecology, evolution, population dynamics, zoology, and more in a combination of lab, lecture, and discussion. .

## **Chemistry**

Grade Level: 11-12

Required: Full year-2 Credits

Prerequisites: Algebra, Geometry

Chemistry is designed to further the chemical topics introduced in Physical Science. The course will give students a firm background in the basic concepts of chemistry. Topics include types of chemical reactions, gas laws, chemical calculations, and chemical names and formulas.

## **Physics**

Grade Level: 12

Elective: Full year-2 Credits

Prerequisites: Algebra I and II, Geometry

This course will expand on the physical topics introduced in Physical Science, giving students a firm background in the basic concepts of physics. The course will cover such topics as linear, circular, and projectile motion; force, torque, work and energy. This course is essential for further study of physics, chemistry, engineering, mathematics and medical fields.

# **Social Studies**

## **World History**

Grade Level: 9-12

Required: One year - 2 credits

Prerequisites: None

This is a survey course covering history from the cradle civilizations to the Industrial Revolution. Emphasis is on human concerns through history, and how different groups face these universal concerns.

## **United States History**

Grade Level: 10

Required: One year - 2 credits

Prerequisites None

This is a survey of U.S. history from Reconstruction to the present. The emphasis is on how we grow and develop while facing change and challenge.

## **Economics**

Grade Level: 11

Required: One semester - 1 credit

Prerequisites: None

This course introduces students to the basic economic principles. Emphasis is placed on the decision-making process and personal consumer skills.

## **Government**

Grade Level: 11

Required: One Semester - 1 credit

Prerequisites: None

This course introduces the structure and functions of the federal, state, and local governments in the United States. Emphasis is placed upon constitutional principles; the executive, legislative, and judicial branches of government; state and local government structure; and the political process. Knowledge and skills are taught so that one may be a full participant in the political community.

# Visual Arts

## **Art I**

Grade Level: 9-12

Elective: Full Year – 2 Credits

Prerequisites: None

This course will introduce students to a variety of art mediums, techniques, and concepts. The fundamentals of art and its basic skills will be taught within projects, as well as the history of several artists - all necessary for understanding, interpreting, and appreciating art.

## **Art II**

Grade Level: 10-12

Elective: Full Year – 2 Credits

Prerequisites: Successful completion of Art I.

This course will expose students to art history as well as various mediums, techniques, and concepts that are more complex than what was covered in the Art I class. Students will be given opportunities to independently work in their preferred medium or choose projects suited for their personal interests.

## **Art III**

Grade Level: 11-12

Elective: Full Year – 2 Credits

Prerequisites: Successful completion of Art I and II.

This course is an extension of Art II for the growing artist. Students must show strength and dedication, as well as get instructor approval prior to scheduling the class. Further exploration of art history, mediums, and techniques will be covered. Students will be given opportunities to independently work in their preferred medium or choose projects suited for their personal interests. Seniors will be required to display completed artwork at Open House.

## **Art IV**

Grade Level: 12

Elective: Full Year – 2 Credits

Prerequisites: Successful completion of Art I, II, and III.

This course is a continuation of Art III for the serious artist. Students must show strength and dedication, as well as get instructor approval prior to scheduling the class. Further exploration of art history, mediums, and techniques will be covered. Students will be given opportunities to independently work in their preferred medium or choose projects suited for their personal interests. Seniors will be required to display completed artwork at Open House.

## **Web Publishing**

Grade Level: 9-12

Elective: Full Year – 2 Credits

Prerequisites: None

This course is a hands on introduction to learning how to publish your work online with an understanding of code, third party hosting, and more.

# **Virtual Classes**

## **Michigan Virtual High School**

Grade Level: 9-12

Elective: One semester – 1 credit

Prerequisites: None

MVHS is an online curriculum that includes the core subjects of math, history and geography, science, and language arts, as well as a variety of electives. All courses are correlated to state standards and are taught by Michigan certified teachers. Core subjects may be used for remediation with school approval. Elective offerings, many of which are listed below, are available with school approval on a limited basis.

Advanced Placement courses in Math, Science, English and Social Studies

American Sign Language

Astronomy

Chinese

Environmental Science  
Film Studies  
Forensic Science  
German  
Global Issues  
HTML and Web Page Design  
Japanese  
JAVA Programming  
Journalism  
Latin  
Legal Issues  
Marine Science  
Mathematics of Baseball  
Psychology  
Sociology

## **OdysseyWare**

Grade Level: 10-12

Elective: One semester – 1 credit

Prerequisites: None

ODYSSEYWARE is a self-paced, online curriculum that includes the core subjects of math, history and geography, science, and language arts, as well as a variety of electives. All curriculum materials are correlated to state standards and are based on proven strategies to easily explain concepts, provide practical applications, and evaluate student performance. Core subjects may be used for remediation with school approval. Elective offerings, examples of which are listed below, are available with school approval on a limited basis.

Art History  
Business Computer Information Systems  
Business Management and Administration  
Civil War  
Digital Arts  
Earth Science  
Essentials of Business  
Health Science  
Hospitality and Tourism  
Media Studies  
Music Appreciation  
Music Theory  
Personal and Family Living  
Personal Financial Literacy  
Psychology  
Technology and Research  
Trigonometry  
The Vietnam Era  
World Geography