



# **Course Description Guide**

Lakeview High School  
2022-23

# 2022-23 COURSE DESCRIPTION GUIDE

## LAKEVIEW HIGH SCHOOL

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Dear Lakeview Parents and Students,

The Student Service Center at Lakeview High School is pleased to offer this course description guide for your use in selecting courses for the 2022-23 school year. It is important that courses are selected that enable students to be successful after graduation. Our goal is to help our students successfully pursue post-secondary options in their chosen fields.

All students will need to satisfy the requirements for graduation listed below, either as a diploma candidate or certificate of achievement candidate. It is important to develop a four-year course plan consistent with the Educational Development Plan (EDP) first developed in middle school and to review that four-year plan and EDP each year prior to selecting courses.

In order to plan successfully for graduation and post-secondary opportunities, students must pass all courses in which they are enrolled so that all course options are open to them each subsequent year. We also need support from parents in monitoring that students are completing their homework and passing tests so that their son/daughter will be able to pursue elective options such as AP courses, advanced classes, dual enrollment, Calhoun Area Career Center, Battle Creek Area Math/Science Center, etc.

The elective courses that are taught each year are determined by how many students sign up to take them during the scheduling process. **It is very important that students and parents choose courses they intend not only to start but also complete.** Unfortunately, due to class size limitations, there is not the opportunity for students to “try out” a class and then change it.

**Also, it is important for students and parents to understand that a student cannot “drop a class.”** Students are required to be enrolled in and attending six classes each trimester. If a student doesn’t like a class or no longer has the opportunity to earn credit in that class, he or she is still required to attend that class.

Please contact us at the numbers listed below with questions or concerns. We are here to assist students and families in the course selection process.

Sincerely,

Lakeview High School Counseling Department

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## GENERAL INFORMATION

### LAKEVIEW HIGH SCHOOL GRADUATION REQUIREMENTS

To earn a Lakeview High School Diploma, students must satisfy all Lakeview School District credit requirements as listed. Students earning a Certificate of Achievement must satisfy credit requirements as listed.

<b>Course Completion Requirements</b>		
<b>Required Courses</b>	<b>Diploma</b>	<b>Certificate of Achievement</b>
<b>English Language Arts</b>	4 credits - At least one core English class taken each school year.	4 to 6 credits - At least one core English class taken each school year.
<b>Mathematics</b>	4 credits (at least one in senior year) <ul style="list-style-type: none"> <li>• Algebra 1</li> <li>• Geometry</li> <li>• Algebra 2 or Applied Algebra 2 or Statistics</li> <li>• Additional math or math related course</li> </ul>	4 to 6 credits - At least one math class taken each school year.
<b>Science</b>	3 credits <ul style="list-style-type: none"> <li>• Biology A and B</li> <li>• One of:               <ul style="list-style-type: none"> <li>o Chemistry A and B</li> <li>o Physics A and B</li> <li>o Anatomy A and B</li> </ul> </li> <li>• Approved science course or CTE program completion</li> </ul>	2 credits - IPS and Life Science or other science related course
<b>Social Studies</b>	3.5 credits <ul style="list-style-type: none"> <li>• World History</li> <li>• US History</li> <li>• Intro to Economics</li> <li>• American Government</li> </ul>	4 credits - Geography, American History, Consumer Economics, Citizenship
<b>Health and Physical Education</b>	2 credits <ul style="list-style-type: none"> <li>• Personal Fitness/Health</li> <li>• PE Elective OR participation in school-sanctioned physical activity* OR additional credit from a core area (English, Math, Science, Social Studies, World Language)</li> </ul> *2 seasons = .5 credit	2 credits - 1 Health and 1 credit of a physical education course OR 4 seasons of an acceptable school-sanctioned activity (OR a combination of .5 credit of PE and 2 seasons of an acceptable activity).
<b>Visual, Performing, Applied Arts</b>	1 credit - See below for a list of courses meeting this requirement.	1 credit - See below for a list of courses meeting this requirement.

<b>World Languages</b>	2 credits Both credits must be of the same language OR students may satisfy the second credit by completing a CTE program or taking an additional VPAA course.	None
<b>Online Learning Experience</b>	0.5 credit - Satisfied by Economics and/or Intro to Business and Marketing.	None
<b>Career Preparation</b>	0.5 Career Readiness.	4 to 5.5 credits - 1 Occupational Guidance and 3 to 4.5 Work Based Learning (based on student need).

<b>Total Credit Earning Requirements</b>
In addition to specific course requirements, students also must earn enough elective credit to reach the total credit amount required for graduation. Students must earn 33.5 total credits to graduate.

\*Transfer students will have an adjusted credit requirement that will vary depending on total credits attempted at any previous high school(s).

## **MODIFICATION OF GRADUATION REQUIREMENTS**

The State of Michigan allows students to request a personal curriculum to modify some of the state-established graduation requirements. If a personal curriculum is requested, the school district will grant the request. MCL 380.1278b(5)(p) This is discussed below.

### **Mathematics Requirements**

Modifications can be made to the mathematics requirements through a personal curriculum. See your counselor for further information.

All students must complete the following prior to being eligible for a Mathematics modification:

- Algebra 1
- Geometry
- Accelerated Algebra 2A-2B; Algebra 2A-2C; or Applied Algebra 2A-2C

Students must take one math or math-related course during their senior year. When taken during their senior year, the following courses satisfy this requirement:

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>- All Accounting courses</li> <li>- All Calhoun Area Career Center Programs</li> <li>- All Manufacturing courses</li> <li>- All Technology courses</li> </ul> | <ul style="list-style-type: none"> <li>- Entrepreneurship</li> <li>- Introduction to Engineering Design</li> <li>- Surviving on Your Own</li> <li>- Physics*</li> </ul> |
|--|---|

\*Students may not count Physics as both a science credit and a math-related credit. Students successfully completing Physics as a math-related credit must also successfully complete Chemistry.

### **Social Studies Requirements**

Modifications can be made to the social studies requirements through a personal curriculum. Students may request a modification of one fewer Social Studies course if he/she takes additional credit(s) beyond the required credit in English Language Arts, Mathematics, Science, or World Languages. No modification can be made of the Civics/Government requirement. Because LHS students satisfy the online learning activity through one of the various economics courses, students may not modify the economics requirement.

### **Physical Education Requirements**

As mentioned above, students may satisfy the second of their 2 required PE credits through participation in school-sanctioned physical activities or by taking core-area coursework beyond the graduation requirement.

Acceptable activities meet all of the following criteria:

- A school-sanctioned sport or club, and
- Require regular physical activity with a team during regularly-scheduled practices over the course of an established season, and
- Adhere to all of the requirements of Life of an Athlete.

Earning PE credit in this alternative way does *not* result in additional transcribed credit. Rather, it allows a student to waive that PE credit to take more elective coursework.

Acceptable core-area coursework included classes from the departments of English, Math, Science, Social Studies, or World Language that have been approved by the NCAA Eligibility Center as core.

### **Visual, Performing, and Applied Arts Requirement**

Students may request a personal curriculum to replace this requirement by taking an additional credit beyond the graduation requirement in English, Mathematics, Science, or World Languages. Alternatively, this requirement can be satisfied by taking any of the courses below.

- *Art Department* - All classes
- *Communications Department* - All classes
- *Mathematics Department* - Coding and Programming
- *Music Department* - All classes
- *Drama Department* - All classes
- *English Department* - Creative Writing
- *Tech Department* - All classes
- *Business Department* - Advanced Marketing, Sports/Entertainment Marketing

- *Calhoun Area Career Center* - Graphic Communications, Culinary Arts, Auto Service, Aviation, Collision Repair, CAD/CAM, Construction, Power Equipment, Welding
- *Battle Creek Area Math & Science Center* – Intro to Computer Science, Computer Science, Engineering Analysis, Engineering, Engineering Robotics 1 and 2.

### **NON-TRADITIONAL CREDIT**

In order for credit to be granted for a class taken prior to entering ninth grade, the student must receive credit for the experience on a high school transcript from an accredited secondary institution. Students participating in “accelerated programs” without earning credit from an accredited secondary institution are not given LHS credit for their participation, but may earn credit by testing out of related courses.

Once a student has begun classes at Lakeview High School, no credit will be given for any coursework or program taken anywhere other than Lakeview High School without prior approval of the principal.

No more than four (4) credits will be approved or accepted during any one trimester of attendance. During the summer, students may earn up to two (2) elective credits through any combination of summer school, online or early entry courses.

Students who transfer to Lakeview High School will be required to meet the Board of Education specific required credits for graduation as remaining space in their schedule permits.

Grade Point Average – A student’s grade point average from a non-traditional, non-public secondary school will not be calculated. Credit only will be given for these courses.

Public Secondary School – With the exception of driver education, credit (MMC and/or otherwise) from Michigan High Schools will be accepted as designated on the previous school’s transcript. Credit from high schools outside of Michigan (with the exception of driver education) will be accepted as MMC credit as current legislation, or Michigan Department of Education interpretation allows, for those subject areas designated as required MMC courses.

Non-Public Secondary School – Credits from a “traditional” non-public school (i.e. parochial or private schools, etc.), with the exception of Drivers Education, Seminar, and non-secular religion courses, as in keeping with the consistency in the public school will be accepted as transferred.

Home School – Credit for students entering Lakeview High School after the first trimester of the ninth grade from a home school program will be considered based on two criteria:

If the parent has registered as a homeschool with the Intermediate School District or other such governmental agency and has used curricula from a home-schooling program through an accredited institution, credit will be given based on the transcript received from that accredited institution. A copy of the home-schooling curriculum, course offerings, course descriptions, and grading requirements may also be required.



If the parent has not registered as a homeschool with the Intermediate School District or other such governmental agency, credit will be given based on the student's ability to score 77% or higher on the Lakeview High School final exam for each course studied in the home school program.

Japanese Saturday School – Because of its accredited status, students attending the Battle Creek Japanese Saturday School may apply for one elective credit at Lakeview High School for each year of attendance at the Japanese Saturday School not to exceed three credits. Credit only, no letter grade, will be given after confirmation of attendance is provided by the administration of the Japanese Saturday School.

Correspondence Secondary Schools – Credit will be accepted through approved vendors. Approval must be granted prior to enrolling in the course. (Ex. Michigan Virtual High School)

## **ADVANCED PLACEMENT COURSES**

### **What are Advanced Placement (AP) Courses?**

AP courses are college-level courses that students can take in high school. Curriculum in AP classes is determined by the College Board and is uniform throughout the United States and abroad. As a result, AP classes are recognized more uniformly by colleges and universities than other classes. AP courses require more time and work, but are academically more challenging and stimulating.

### **Who Should Take AP Courses?**

Students who:

- Love learning – especially the subject area in which the AP course is being taken
- Are strong readers who have been academically successful
- Are motivated learners that are willing to take on hard work and responsibility
- Are enthusiastic about sharing ideas and concepts in academically challenging ways and Improving critical thinking skill
- Plan to attend a four-year university following high school
- Understand that success in AP classes requires work outside the school day.

### **Why Should AP Courses Be Taken?**

- It builds sophisticated, college-level academic skills and confidence. Students are more prepared to do college work because they have practiced the skills needed to be successful and are more confident when facing difficult and demanding courses in college.
- AP classes at Lakeview use a weighted 5.0 scale. This provides several advantages. First, it eliminates the “risk” of taking a more difficult course. Secondly, because many students earn a GPA of higher than 4.0 during their high school career, AP classes potentially increase a student's class ranking. Lastly, many colleges do not recalculate GPAs during the admissions process and use the highest GPA when determining admission, providing an advantage for students with a higher overall GPA.

- Success in AP leads to success in college. Research consistently shows that students who participate in AP courses and exams while in high school have higher GPAs, credit hours earned and four year graduation rates at the university level.
- Success in AP can lead to college credit: Students have the option of taking the AP exam in each of the content areas. Performance on these tests can lead to college credit.
- It increases options at college and saves money. Students who earn college credit by taking AP courses and exams may be able to take upper level courses in their field of interest or complete their undergraduate degrees earlier thus saving money.
- It impresses college admission officers. Taking AP makes candidates more attractive to colleges. It improves their chances of getting into competitive colleges and increases eligibility for scholarships.

## **GRADE-POINT AVERAGE**

Student cumulative grade-point averages will be calculated based on final trimester grades during grades 9-12 along with any credit-bearing grades from other institutions according to the guidelines above. Grade point average is a representation of a student's average grade, with each grade assigned a number value, called "honor points," according to the chart below. AP course grades are weighted so that each corresponding honor point value is increased by 1.

<b>Percent</b>	<b>Non-AP Courses</b>		<b>AP Courses</b>	
	<b>Grade</b>	<b>Honor Points</b>	<b>Grade</b>	<b>Honor Points</b>
93-100%	A+, A	4.00	A+, A	5.00
90-92%	A-	3.67	A-	4.67
87-89%	B+	3.33	B+	4.33
83-86%	B	3.00	B	4.00
80-82%	B-	2.67	B-	3.67
77-79%	C+	2.33	C+	3.33
73-76%	C	2.00	C	3.00
70-72%	C-	1.67	C-	2.67
67-69%	D+	1.33	D+	2.33
63-66%	D	1.00	D	2.00
60-62%	D-	0.67	D-	1.67
0-59%	E	0.00	E	0.00

## **TESTING OUT OF COURSES**

Students may test out of courses by earning a 77% score on required end of course assessments. When a student tests out of a course, he or she is given credit for that course. Credit earned this way will be designated on the transcript solely as "credit" and shall not be included in the grade point average computation. Likewise, students who

attempt to test out of a course and do not earn a qualifying score will have that listed on their transcript as “no credit”, which will also not be included in grade point average calculation.

Attempts to test out of a course must be made prior to a student starting the course and according to the following deadline schedule:

- For credit to be awarded in first trimester, applications are due by May 1 of the previous academic year
- For credit to be awarded in second trimester, applications are due by October 1
- For credit to be awarded in third trimester, applications are due by January 1

## **COLLEGE OR UNIVERSITY CREDIT**

Early Entry – A student may enroll in a college or university prior to graduating from high school if the post-secondary institution allows. Any student who takes college courses in an early entry program must do so outside of regular Lakeview High School hours. Any tuition, fees, or materials associated with these courses are the responsibility of the student and his or her family. A student may elect to have these college courses on his or her high school transcript by submitting an Approval for Non-Lakeview High School Credit form prior to taking any course(s). It is understood that any course and its accompanying grade that appears on a student’s Lakeview High School transcript will be included in the student’s grade point average.

Dual Enrollment – See Dual Enrollment section below.

On-line College Courses – A student may enroll in an on-line college or university course prior to graduating from high school if the post-secondary institution is an accredited one. The principal, prior to enrollment, must approve this course. Any student who takes on-line college courses may do so consistent with the requirements described above of an early entry student or dual enrollment student.

## **DUAL ENROLLMENT**

Students may enroll in college courses as part of their high school experience. If you wish to pursue dual enrollment, please see your counselor.

Students are eligible to dual enroll if they:

- Have principal approval,
- Are enrolled in at least one high school course, and
- Have taken and received a qualifying score on at least one of the following tests: MME, ACT, SAT, Compass, Accuplacer, EXPLORE, PLAN, or PSAT.

A course which qualifies for dual enrollment must be one which:

- Is not offered by Lakeview High School;
- Is offered, but is not available to the student because of a scheduling conflict;
- Is a college level course which the student has taken and completed at the high school level. i.e.- Anatomy & Physiology; and
- Is an academic course. Courses in physical education, theology, divinity, or religious education are not available through dual enrollment.

Students dual enrolling may have the costs of required textbooks paid for by Lakeview High School provided that the total amount of tuition, fees and books does not exceed \$609.58. Students should first check with the LHS main office secretary to see if the book is already available. If not, the school will purchase the book and it will be available for pickup at KCC. Upon completion of the course, textbooks must be returned to Lakeview High School. Students are responsible for transportation, parking costs, or any activity fees.

Any student who wishes to dual enroll must complete a Lakeview High School Dual Enrollment form prior to taking any courses. It is understood that any course taken as part of dual enrollment and its accompanying grade will appear on the student's transcript with accompanying grades. Final grades will be included in the trimester GPA, cumulative GPA, and class ranking.

## **ONLINE COURSES**

Online courses must be selected at the same time as other course selections. LHS works with Michigan Virtual High School to provide online courses. High school courses are offered in semester and trimester lengths. AP courses offered through MiVHS are challenging, year-long courses that prepare students for the College Board AP exams. Students registering for MiVHS classes should be self-motivated learners who are proficient at time management and comfortable with computers and the Internet. Students must complete an application and sign a contract in order to be enrolled in MiVHS courses. Available courses can be found at [mivhs.org](http://mivhs.org). Please see your counselor for further information. **Applications and contracts are due March 5, 2022, for any course(s) the student wishes to take in the 2022-2023 school year.**

## **COURSE DESCRIPTIONS FOR 2022-23**

Below are the descriptions of courses available to LHS students. When selecting courses, please read this section carefully. Each year, counselors and teachers work with students in planning their schedules for the following year. The final selection of courses, however, rests with the student and his/her parents. **Once choices are made, we cannot guarantee the chance to make changes in the future.** Also, some courses listed in this booklet may not eventually be offered because of insufficient enrollments.

Courses are listed under their departments, which are arranged alphabetically.

Be sure to note the following before registering:

- The number of credits and trimesters a course runs
- Whether you must register for all parts of a course, since in some cases this is optional
- Whether a course has prerequisites that you must take first. It is highly recommended that students earn at least a C- in any prerequisite course.

# ART DEPARTMENT

## GENERAL NOTES

All classes in the Art Department satisfy the visual, performing and applied arts graduation requirement.

## INTRODUCTION TO ART

Credits: 1.0

Grade Level: 9-12

*Students may register for Introduction to Art A, or both courses.*

Trimesters: 2

Prerequisite: None

Course AR100 - Introduction to Art A

Course AR101 - Introduction to Art B

Students will be introduced to the elements of art: line, shape, value, color, form, texture and space. They will explore visual composition, studio skills, techniques, styles and media, along with the principles of art: pattern, rhythm/movement, proportion, balance, emphasis and unity. Focus areas will be drawing, painting, collage, printmaking and sculpture. Original composition and individual growth in skill development is stressed.

## 2-DIMENSIONAL ART

Credits: 1.0

Grade Level: 9-12

*Students may register for 2-Dimensional Art A, or both courses.*

Trimesters: 2

Prerequisite: Introduction to Art

Course AR200 - 2-Dimensional Art A

Course AR201 - 2-Dimensional Art B

Students will develop 2-D art skills using a variety of media including pencil, pen and ink, colored pencil, watercolor, oil pastels, and tempera paint. Emphasis will focus on furthering proficiency in media use and drawing. Students will build on their drawing skills to create original works that will incorporate a variety of media.

## 2-DIMENSIONAL ART - ADVANCED

Credits: 0.5

Grade Level: 10-12

Course AR250 - 2-Dimensional Art – Advanced

Trimesters: 1

Prerequisites: 2-Dimensional Art

This is an advanced course for mature students with a serious interest in 2-D art who are able to work independently as well as from assigned problems. Portfolio quality work will be emphasized in various studio areas. Aesthetics and criticism will be studied.

## 3-DIMENSIONAL ART

Credits: 1.0

Grade Level: 9-12

*Students may register for 3-Dimensional Art, or for both courses.*

Trimesters: 2

Prerequisite: Introduction to Art

Course AR300 - 3-Dimensional Art A

Course AR301 - 3-Dimensional Art B

Students will develop 3-D art skills through a variety of media, including clay, paper, wood, wire, paper mache, plaster and found objects, glass, and pottery on the wheel. Emphasis will focus on furthering proficiency in media use. Students will build on their sculpture skills to create original works that will incorporate a variety of media.

### **3-DIMENSIONAL ART – ADVANCED**

Credits: 0.5  
Grade Level: 10-12

Trimesters: 1  
Prerequisite: 3-Dimensional Art

Course AR350 - 3-Dimensional Art – Advanced

This is an advanced course for mature students with a serious interest in 3D art who are able to work independently as well as from assigned problems. Portfolio quality work will be emphasized in various studio areas. Aesthetics and criticism will be studied.

### **PHOTOGRAPHY**

Credits: 1.0  
Grade Level: 11-12

Trimesters: 2  
Prerequisite: None

*Students must register for both courses.*

Course AR400 - Photography A  
Course AR401 - Photography B

Students will be introduced to the digital camera, composition, and the manipulation of digitized images using the computer. This course will involve assigned and independent photographic projects, work with the computer, and Photoshop. Photography projects will include in and out of school assignments.

### **PHOTOGRAPHY – ADVANCED**

Credits: 0.5  
Grade Level: 11-12

Trimesters: 1  
Prerequisite: Photography

Course AR450 - Photography – Advanced

This is an advanced course for mature students with a serious interest in photography who are able to work independently as well as from assigned problems. Portfolio quality work will be emphasized in various studio areas. Aesthetics and criticism will be studied.

### **INDEPENDENT STUDY IN ART**

Credits: 0.5  
Grade Level: 11-12

Trimesters: 1  
Prerequisite: B- in at least 3 credits of Art and instructor approval

Course AR500 - Independent Study in Art

Independent students will develop their own objective and curriculum plan with the guidance of the teacher requested. This is an opportunity for students who plan to continue art into their post-secondary education. Acceptance will be based on a portfolio review by all members of the art department, and will be limited to no more than 1 per section.

# BUSINESS DEPARTMENT

## GENERAL NOTES

- Successful completion of Introduction to Business and Marketing satisfies the 0.5 credit economics graduation requirement.
- All Accounting Courses and Entrepreneurship satisfy the 4<sup>th</sup> year mathematics graduation requirement when taken successfully during the senior year.
- Courses labeled as KCC Articulated Course earn KCC college credit while taking the class.
- Advanced Marketing and Sports & Entertainment Marketing satisfy the visual, performing and applied arts credit requirement.

## ACCOUNTING 1

Credits: 1.0 - KCC Articulated Course (when taken through Accounting 2)

Trimesters: 2

Grade Level: 9-12

Prerequisite: None

*Students must register for both courses.*

Course BU120 - Accounting 1A

Course BU121 - Accounting 1B

Accounting 1 is designed to provide a workable and comprehensive knowledge of various business transactions and accounting forms. The class includes working with the accounting records of service and retail businesses in both sole proprietorship and partnership format. Students planning a college major in ANY area of business will find this course beneficial. Serious business students should plan to enroll in Accounting 1, 2 and 3. Homework requirements outside of class are minimal. Students completing both Accounting 1 and Accounting 2 with grades of B- or better can receive credit at KCC as Accounting 101. Successful completion of this course satisfies the 4<sup>th</sup> year mathematics graduation requirement.

## ACCOUNTING 2

Credits: 1.0 - KCC Articulated Course

Trimesters: 2

Grade Level: 9-12

*Students must register for both courses.*

Prerequisite: Accounting 1

Course BU220 - Accounting 2A

Course BU221 - Accounting 2B

Accounting 2 is for students seeking a business career, or a college major in ANY area of business. The course includes units on partnerships, corporate, and departmental accounting. Homework requirements outside of class are minimal. Students completing both Accounting 1 and Accounting 2 with grades of B- or better can receive credit at KCC as Accounting 101. Successful completion of this course satisfies the 4<sup>th</sup> year mathematics graduation requirement.

## ACCOUNTING 3

Credits: 1

Trimesters: 2

Grade Level: 10-12

Prerequisite: Accounting 2

*Students must register for both courses.*

Course BU320 - Accounting 3 A

Course BU321 - Accounting 3 B

Accounting 3 is for students seeking a business career, or a college major in ANY area of business. The course includes units on corporate and cost accounting. Homework requirements



outside of class are minimal. Successful completion of this course satisfies the 4th year mathematics graduation requirement.

### **INTRODUCTION TO BUSINESS**

Credits: 1.0 - KCC Articulated Course

Grade Level: 9-11

*Students must register for both courses.*

Trimesters: 2

Prerequisite: None

Course BU100 - Introduction to Business A

Course BU101 - Introduction to Business B

Welcome to the world of business! In this course you will learn the basics of economics, marketing and entrepreneurship, and personal finance. Students make a detailed study of the market economy, advertising, advantages and disadvantages of starting your own business, use of online checking accounts, saving and investments, and using credit wisely. Students will use a Personal Finance online simulation as a part of the course. Learn everything you need to look for, interview for, get, and keep a job in today's workforce. We will explore job hunting sites, develop an online professional presence, practice interviewing techniques and develop a resume. Successful completion of this course transfers as college credit to KCC as BUAD 101. This class, when taken with Marketing, also satisfies the 0.5 Economics Graduation.

### **MARKETING & ECONOMIC PRINCIPLES**

Credits: 1.5 - KCC Articulated Course

Grade Level: 10-12

*Students must register for all three courses. Taken in addition to Introduction to Business, this course satisfies the 0.5 credit economics graduation requirement.*

Trimesters: 3

Prerequisite: Intro to Business Recommended

Course BU430 - Marketing & Economic Principles A

Course BU431 - Marketing & Economic Principles B

Course BU432 - Marketing & Economic Principles C

In this course, students develop learning-by doing enthusiasm and hands on proficiency in content areas including marketing, promotion, and selling. Marketing students are encouraged to become part of DECA, a nationally recognized Business, Marketing, and Entrepreneurship organization. School store is also a key component of the course; students will work as employees in the School Store and also learn the fundamentals of running a retail business. School Store topics covered include cashiering basics, visual display, sales, loss prevention, customer service and promotion. Successful completion of this course transfers as college credit to KCC as BUEN 105. Successful completion of Marketing and Introduction to Business also satisfies the .5 Economics Graduation Requirement.

### **SCHOOL STORE OPERATIONS**

Credits: 0.5 each course

Grade Level: 10-12

*Students must register for all three courses.*

Trimester: 3

Co-requisite: Marketing & Economic Principles

Prerequisite: instructor approval

Course BU495 - School Store Operations - A

Course BU496 - School Store Operations - B

Course BU497 - School Store Operations - C

Learn how a business works from behind the scenes. Students will learn the fundamentals of running a retail business. Topics covered include cashiering basics, visual displays, sales, loss prevention, customer service and promotion. Students will practice these skills by working in

the Spartan Spirit Shop. Upon completion, students may apply for Retail Management. Students will also have the opportunity to participate in DECA. Note: Activities outside of the regular school day are required.

### **ADVANCED MARKETING**

Credits: 1.0 - KCC Articulated Course

Trimesters: 2

Grade Level: 11-12

Prerequisite: Marketing & Economic Principles  
and teacher approval

*Students must register for both courses.*

Course BU435 - Advanced Marketing A  
Course BU436 - Advanced Marketing B

Students in Advanced Marketing will learn the skills and competencies needed for success in DECA's competitive events program at the district, state, and national levels. Attendance at the fall district competition is required. Those qualifying for national competition are encouraged, but not required to attend. Students may also choose to participate in a National DECA project such as Advertising Campaign, Fashion Promotion Campaign, Learn and Earn Project, Entrepreneurship Participating, etc. Students interested in this class must have demonstrated active involvement in DECA as Marketing students. Successful completion of this course transfers as college credit to KCC as BUAD 121. Successful completion of this course satisfies the visual, performing and applied arts credit graduation requirement. Note: Activities outside of the regular school day are required.

### **DECA LEADERSHIP**

Credits: 1.0

Trimesters: 2

Grade Level: 11-12

Prerequisite: Marketing & Economic Principles  
and teacher approval

*Students must register for both courses.*

Course BU500 - DECA Leadership A  
Course BU501 - DECA Leadership B

Are you DECA pumped? If so, take DECA Leadership! In this class students will complete DECA jobs through DECA groups or as a DECA Officer. Plan events such as DECA meetings, be a DECA trainer, or raise money for MDA. The sky is the limit!

### **SPORTS & ENTERTAINMENT MARKETING**

Credits: 1.0

Trimesters: 2

Grade Level: 10-12

Prerequisite: Marketing & Economic Principles or in 12<sup>th</sup> Grade

*Students must register for both courses.*

Course BU480 - Sports & Entertainment Marketing A  
Course BU481 - Sports & Entertainment Marketing B

Welcome to your first big step into the business of sports! This course will teach marketing concepts via the sports and entertainment industry. Course A will focus on market research, segmentation, promotion, endorsements and sponsorships, and distribution. Students in this course will complete a short promotional plan. In addition, they will complete promotional campaigns that market LHS sports and entertainment groups. Course B will focus on new product development, branding and brand management, pricing, and careers in sports and entertainment. Students will also create and research a new sports or entertainment product and complete an Entrepreneurship Innovation Plan. Successful completion of this course satisfies the visual, performing and applied arts graduation requirement.

## **RETAIL MANAGEMENT**

Credits: 1.5

Grade Level: 11-12

*Students must register for all three courses.*

Trimesters: 3

Prerequisite: Marketing & Economic Principles

Course BU490 - Retail Management A

Course BU491 - Retail Management B

Course BU492 - Retail Management C

If you want to advance your knowledge in marketing and management then managing the Spartan Spirit Shop is for you. You will be responsible for the overall operations and success of the Spartan Spirit Shop. You will work closely with your management team to effectively run all operations of the school store including daily operations, POS system, employee training, employee incentives, and store group management. This course is offered only through teacher approval. Note: Activities outside of the regular school day are required.

## **ENTREPRENEURSHIP**

Credits: 1.0 - KCC Articulated Course

Grade Level: 10-12

*Students must register for both courses.*

Trimesters: 2

Prerequisite: Marketing & Economic Principles or in 12<sup>th</sup> Grade

Course BU440 - Entrepreneurship A

Course BU441 - Entrepreneurship B

This course is designed for students who are interested in possibly owning their own business. During the course, students plan and operate two different businesses of their choice. The first one is a one-day class mini-venture. The second business venture is run after the students have completed their business plans. Students also have the opportunity to participate in DECA. DECA is a nationally renowned Marketing/Entrepreneurship student organization. Successful completion of this course transfers as college credit to KCC as BUEN 101. Successful completion of this course satisfies the 4th year mathematics graduation requirement when taken successfully during the senior year.

## **BUSINESS LAW**

Credits: 0.5

Grade Level: 10-12

Course BU420 - Business Law

Trimesters: 1

Prerequisite: None

Business Law will focus on torts (civil wrongs against individuals) and crimes, employee versus employer relationships, and insurance. You will be able to see some court cases on video and also view scams to avoid in real life. Guest speakers will speak to you about their careers to give you some insight on careers available in the field of business law.

## **INVESTMENTS: HOW TO MAKE MONEY**

Credits: 0.5

Grade Level: 10-12

Course BU421 - Investments: How to Make Money

Trimesters: 1

Prerequisite: None

Investments will focus on saving and investing. Never spend a dime of interest on credit card debt and work towards retiring early. You will learn the most basic means of saving from bank accounts to riskier but more lucrative investing, like stocks and real estate. You will study the

successes of Donald Trump in real estate ventures and learn how an individual made it big in real estate in the book, "Rich Dad Poor Dad." You will learn how to invest in the stock market and buy and sell stocks. Guest speakers will speak about their careers and share insight on careers available in the field of business.

### **MICROSOFT OFFICE APPLICATIONS**

Credits: 0.5 - KCC Articulated Course

Grade Level: 9-12

*Students must register for both courses.*

Trimesters: 1

Prerequisite: None

Course BU211 - Microsoft Office Applications A

Learn the basics of Microsoft Office software including Microsoft Word (word processing), Excel (spreadsheet), Access (database), and PowerPoint (presentations). Students will use various resources including the Internet to complete assignments. Students will complete a brief individualized progress-at-your-own-pace refresher of keyboarding skills. Homework requirements outside of class are minimal.

# COMMUNICATIONS ARTS DEPARTMENT

## GENERAL NOTES:

All communication classes satisfy the visual, performing and applied arts graduation requirement.

## INTRODUCTION TO COMMUNICATIONS

Credits: 1.0

Trimesters: 2

Grade Level: 9-12

Recommendation: C+ or better In English

*Students must register for both courses.*

Course CO110 - Introduction to Communications A

Course CO111 - Introduction to Communications B

This course introduces the disciplines of scholastic journalism to students who like to write and are above average English students. Areas of exploration include the history and power of the various types of mass media (including social media), the rights and responsibilities of journalists, and media ethics. A variety of journalistic writing styles are also explored. The course surveys newspaper and yearbook production and design. Students will gain experience in interviewing, reporting, writing, editing, layout, and design using available technology. This course is intended to provide a training ground for producing the school newspaper and yearbook and is strongly recommended for students who are interested in working on the Crystal or Log.

## CRYSTAL: NEWSPAPER

Credits: 1.5

Trimesters: 3

Grade Level: 10-12

Prerequisite: Introduction to Communications  
or instructor permission

*Students must register for all three courses.*

Course CO200 - Crystal: Newspaper A

Course CO201 - Crystal: Newspaper B

Course CO202 - Crystal: Newspaper C

Members of this class make a full year commitment to publishing the school newspaper on a monthly basis. They will complete all phases of the process including brainstorming for story ideas, covering beats, reporting, interviewing, writing and editing, using the computer to design and layout pages, and selling advertising. Introduction to Communications is recommended for students interested in this class. Final admission to the class is determined by advisor approval. Applications are available from the advisor.

## LOG: YEARBOOK

Credits: 1.5

Trimesters: 3

Grade Level: 10-12

Prerequisite: Introduction to Communications  
or instructor permission

*Students must register for all three courses.*

Course CO300 - Log: Yearbook A

Course CO301 - Log: Yearbook B

Course CO302 - Log: Yearbook C

Members of this class must make a full year commitment. They will complete all phases of the process including determining specifications for the book, creating section designs, writing stories, laying out pages, and selling advertising. Introduction to Communications is recommended for students interested in this class. Final admission to the class is determined by

advisor approval. Applications are available from the advisor. **Note: Activities outside of the regular school day are required.**

### **INTRODUCTION TO FILM PRODUCTION AND COMMUNICATION**

Credits: 1.0

Grade Level: 10-12, 9 by Teacher Interview

*Students must register for both courses.*

Trimester: 2

Prerequisite: None

Course CO400 - Intro to Film Production & Communication A

Course CO401 - Intro to Film Production & Communication B

This course is designed for anyone interested in movie creation and digital editing. In this hands-on course you will develop an understanding of how to create informational, entertaining, and dramatic movies and presentations. Students will use the software program Final Cut to create a short film, commercials, a music video, and a feature film. Students also have the opportunity to enter their films in several student film festivals throughout the semester.

### **BROADCAST JOURNALISM**

Credits: 1.5

Grade Level: 11-12

*Students must register for all three courses.*

Trimesters: 3

Prerequisite: Introduction to Film Production

Course CO500 - Broadcast Journalism A

Course CO501 - Broadcast Journalism B

Course CO502 - Broadcast Journalism C

This course provides students the opportunity to run a fully functional TV studio. This class is responsible for running Channel 101 News, Lakeview's in-house TV station. Students are able to experience all roles involved in creating a production. Roles range from lead anchor to more behind the scene jobs such as audio technician, floor director, and more. Students also learn how to interview, create news scripts, and develop news stories using Final Cut. Students are responsible for the daily news program that is broadcast to the school. Students may take this class more than one time. Students electing to take this class a second time may apply for management roles such as studio producer and news room director among others.

# DRAMA DEPARTMENT

## GENERAL NOTES:

All drama classes satisfy the visual, performing and applied arts credit requirement. Students may take up to THREE trimesters of Theater. These can/should be a combination of Theater Arts/Theater Arts Mentor as well as Stagecraft and/or Stage Improv and Performance.

## THEATER ARTS

Credits: 0.5

Trimesters: 1 or 2

Grade Level: 9-12

Prerequisite: None

*Students must register for the course based on the number of trimesters they wish to take. For example, if a student wants to take 2 trimesters of Theater Arts, they should register for course number TH101.*

Course TH100 - Theater Arts - 1 trimester

Course TH101 - Theater Arts - 2 trimesters

This course is an introduction to theater appreciation and performance. Students develop "learning-by doing" enthusiasm and "hands-on" proficiency in content areas dealing with stage fright, auditions, movement, the development of ensemble, theatrical and rehearsal etiquette, audience responsibility, characterization, diction, performance scale, stagecraft, technical terminology, performance, self-evaluation, and aesthetic judgment. This course culminates in a required public showcase recital.

## STAGECRAFT: MAKEUP, COSTUMING, COMBAT

Credits: 0.5

Trimesters: 1

Grade Level: 10-12

Prerequisite: Theater Arts and instructor permission

Course TH400 - Stagecraft

This course will be a "hands-on" approach to some of the technical sides of Theatre. It will introduce and hone the many crafts, including (a) *the history of the theater*, its origins, and evolutions, (b) *stage makeup*, exploring creating paper renderings, shadowing and highlighting, creating depth on the face, basic prosthetic use, old age and fantasy make-up. This unit will end with the creation of a "Makeup Morgue," (c) *stage costuming*, exploring the history of costuming by eras/ genres, creating costume renderings for those eras, and basic costume creation. This unit will end with the creation of a student made costume, and (d) *stage combat*, exploring the basics of stage combat including the proper safety measures, hand-to-hand combat, basic use of weapons, and basic tumbles and throws. This unit will end with a scene that will include stage combat and strikes.

## THEATER ARTS MENTOR

Credits: 0.5

Trimesters: 1 or 2

Grade Level: 10-12

Prerequisite: Theater Arts and instructor permission

*Students must register for the course based on the number of trimesters they wish to take. For example, if a student wants to take 2 trimesters of Theater Arts Mentor, they should register for course number TH201.*

Course TH200 - Theater Arts Mentor - 1 trimester

Course TH201 - Theater Arts Mentor - 2 trimesters

This trimester appointment is a continuation of Theater Arts and is specifically designed for the advanced theater student. The theater mentor will assist both the instructor and the beginning theater arts students in improvisations, stage fright intervention, scene work, make-up application, technical terminology and stage craft instruction, lip-syncs, production lab, monolog, characterization, performance scale, work ethic, audience etiquette, and the public showcase recital. Space is limited per Theater Arts section.

### **STAGE IMPROV AND PERFORMANCE**

Credits: 0.5

Trimesters: 1

Grade Level: 10-12

Prerequisite: Instructor permission

*Students must register for the course based on the number of trimesters they wish to take. For example, if a student wants to take 2 trimesters of Advanced Theater, they should register for course number TH301.*

Course TH300 – Stage Improv - 1 trimester Co-requisite: Theater Arts Mentor taken in same year

Course TH301 – Stage Improv - 2 trimesters Co-requisite: Theater Arts Mentor taken in same year

This is a class designed for the Mentor level actor or the theater student who has shown considerable talent and work ethic in performances and has been recommended by the instructor. The class will be performance intensive and focus exclusively on the choosing, crafting, blocking, and performing of a monologue, scene work, and one act plays. It will rely heavily on the student's ability to hone and refine their skills in the realm of performances and improvisation. Students will also be learning and training in the acting methods of Meisner, Stanislavsky, as well as other famous acting coaches/teachers. Must be taken in the same year as Theater Arts Mentor.



# ENGLISH DEPARTMENT

## GENERAL NOTES:

Creative Writing satisfies the visual, performing and applied arts graduation requirement.

## ENGLISH 9

Credits: 1.5

Grade Level: 9-10

*Students must register for all three courses.*

Trimesters: 3

Prerequisite: Department placement

Course EN200 - English 9 A

Course EN201 - English 9 B

Course EN202 - English 9 C

Students will immerse themselves in a workshop format with the focus on studying mentor texts and creating student-driven narrative writing as well as argumentative writing. This will include studying Shakespeare's masterpiece *Romeo and Juliet*, and analyzing the craft of the script and of multiple artistic interpretations. Students will also study informational text, analyzing the craft and purpose of these literary essays. They will also study a novel and companion texts, focusing on the common theme of "coming of age" and "prejudice", analyzing their craft and themes and making connections to the informational texts in the course.

## ENGLISH 10

Credits: 1.5

Grade Level: 9-12

*Students must register for all three courses.*

Trimesters: 3

Prerequisite: English 9 or department placement

Course EN300 - English 10 A

Course EN301 - English 10 B

Course EN302 - English 10 C

Students will open by studying poetry with a focus on the analysis of theme/purpose and the impact of poetic devices. Students will go on to study The Hero's Journey structure of storytelling, building up to an analysis of a novel. Students will expand their understanding of argumentation through the study of essential types of evidence and forms of persuasion.. Students will also read and analyze two classic texts: Elie Wiesel's *Night* and Shakespeare's *Macbeth*.

## ENGLISH 11

Credits: 1.0

Grade Level: 9-12

*Students must register for both courses.*

Trimesters: 2

Prerequisite: English 10 or department placement

Course EN400 - English 11 A

Course EN401 - English 11 B

Students will launch the Writer's Notebook and Independent Reading units to establish learner habits, strategies, and practices that help ramp students into later units of analyzing complex texts and writing well-reasoned arguments. They will study narrative reading and argumentative writing, study a variety of literature genres in fiction and non-fiction, and study informational text, analyzing the craft and purpose of these literary essays. Students will study a variety of

argumentative texts for structure, tone, audience, claim, counterclaim evidence and line of reasoning, and will gather information from primary and possibly secondary resources.

## **ENGLISH 12**

Credits: 1.0

Grade Level: 9-12

*Students must register for both courses.*

Trimesters: 2

Prerequisite: English 11 or department placement

Course EN500 - English 12 A

Course EN501 - English 12 B

Students will immerse themselves in the study of poetry and will closely analyze the impact of style on a self-chosen poem. They will study Shakespeare's masterpiece *Hamlet*, and analyze the craft of the script of multiple film interpretations. Students will study informational text, analyzing the craft and purpose of these literary essays. They will also develop research skills through the study of informational texts, working towards the development of a researched argument and presentation.

## **ADVANCED PLACEMENT ENGLISH – LANGUAGE AND COMPOSITION**

Credits: 1.5

Grade Level: 9-12

*Students must register for all three courses.*

Course EN695 - AP English Language & Comp. A

Course EN696 - AP English Language & Comp. B

Course EN697 - AP English Language & Comp. C

Trimesters: 3

Prerequisite: English 12 or an A in English 11 or a B+ with that teacher's recommendation

This course will focus both on older and modern non-fiction essays. Selections will be taken from supplemental anthologies, current newspapers, and magazines. The major objectives of the course are to improve your writing in response to non-fiction, recognize and use authors' techniques and skills in non-fiction, become familiar with the AP English Language test format, improve your independent researching skills, and continue to formulate a personal philosophy in response to literature.

## **ADVANCED PLACEMENT ENGLISH – LITERATURE AND COMPOSITION**

Credits: 1.5

Grade Level: 9-12

*Students must register for all three courses.*

Course EN700 - AP English Literature & Comp. A

Course EN701- AP English Literature & Comp. B

Course EN702- AP English Literature & Comp. C

Trimesters: 3

Prerequisite: English 12 or an A in English 11 or a B+ with that teacher's recommendation

Students will read a broad range of texts from classical and contemporary literature. Students will gain strategies to help them navigate, comprehend, annotate, interpret, and analyze literature. They will become familiar with works from many literary movements and learn how to recognize both the historical and philosophical contexts of a piece as well as the enduring themes present in literature which continue to speak to readers today. They will be encouraged to question, discover, and explore as they are immersed in novels, poetry, short fiction, and

drama. Students will learn to assert themselves as confident writers who can articulate innovative ideas about a text, formulate a logical argument, support a thematic statement and thesis with exhaustive textual evidence, and define their own original voices.

## **PUBLIC SPEAKING**

Credits: 0.5 each course

Trimesters: 1 each course

Grade Level: 10-12

*Students may register for Public Speaking A or for both courses*

Course EN120 – Personal and Testimonial Public Speaking - A

Prerequisite: None

This course will introduce the student to the different types of public speaking as well as covering different methods behind speaking. Students will be introduced to the basics behind quality public speaking, the techniques for preparation, overcoming fear/anxiety, writing formal outlines, and improving the ability to organize ideas and put them into a quality presentation. The course will culminate in a Persuasive/ Inspirational Speech designed to prepare students for a very common type of speech giving that will be available to them in the “real” world.

Course EN121 – Debate and Motivational Public Speaking - B

Prerequisite: Public Speaking A

This course will continue building upon the techniques that the student learned in Public Speaking A. Public Speaking B will take a more formal approach to the process of public speaking with an emphasis on speaking in the professional and formal setting. The course will culminate in a Symposium Panel Forum debate among the class on a debatable topic that is chosen by the fellow students in the Public Speaking course.

## **CREATIVE WRITING**

Credits: 0.5 each course

Trimesters: 1 each course

Grade Level: 10-12

Prerequisite: None

*Students may register for either or both courses.*

Course EN410 - Creative Writing – Short Prose

Students will explore a variety of stylistic approaches within the prose genre in order to develop a personal voice in writing. In Creative Writing A, students will study the “seven moves writers make,” read a variety of short prose, compose a variety of short stories, consistently and intently revising their own work, participate in workshop reviews of peer compositions, and reflect deeply upon what makes their literary voice unique.

Course EN411 - Creative Writing – Poetry and Drama

In Creative Writing B, students will write both closed and open form poems, write a one-act play, consistently and intently revise their own work, participate in workshops of peer work, and create a portfolio to represent and reflect upon the above work. If both parts of Creative Writing are successfully completed, these courses satisfy the visual, performing and applied arts graduation requirement.

## **PHILOSOPHY**

Credits: 0.5 each course

Trimesters: 1

Grade Level: 11-12

Prerequisite: None

*Students may register for either or both courses.*

Course EN420 - Philosophy – The Universe and Popular Culture

This course examines questions of the universe: where it comes from, how it works, mankind’s place and purpose in it, etc. These ideas and others are discussed through the lenses of great philosophers—both past and present. Much of the content is student-interest-driven. Movies, video clips, sitcoms, cartoons, book excerpts, articles, and current events are all used to spark discussion

and learning. The course will be structured around exploration of key questions where students will participate in debates and reflection; an overview of the history of philosophy; explorations of student-selected philosophical topics; and a philosophy journal that is reactive and reflective.

#### Course EN421 - Philosophy – Ethics and Popular Culture

This course examines questions of ethics: what is good and evil, what is valuable in life, what is happiness, etc. of key questions where students will participate in debates and reflection; an overview of the history of philosophy; explorations of student-selected philosophical topics; and a philosophy journal that is reactive and reflective. These ideas and others are discussed through the lenses of great philosophers—both past and present. Much of the content is student-interest-driven. Movies, video clips, sitcoms, cartoons, book excerpts, articles, and current events are all used to spark discussion and learning.

### MYTHOLOGY

Credits: 0.5 each course

Grade Level: 10-12

Students may register for Mythology A – Classical or for Both Myth A and Myth B

#### Course EN430 - Mythology A – Classical

This course will introduce students to the study of mythology with a focus on Classical Myths such as Egyptian, Greek, Roman, and Norse. The focus of this class is to analyze how relationships, images, patterns, and symbols are used to convey implied meanings in a variety of cultures. This class will provide an opportunity for extended and deepened comprehension by relating stories from one culture to another and interpreting the experiences, issues, and events revealed in some highly intriguing cultures. Through an analysis of the distinguishing and shared characteristics of each culture, students will develop an understanding of how literature reflects, records, communicates, and influences the interpretation of human experience on a global scale.

#### Course EN431 - Mythology B – World

Prerequisite: Mythology A: This course will continue the study of myths from other parts of the world, such as India, China, Africa, Peru, Brazil, Mexico, and Native America. The focus of this class is to analyze how relationships, images, patterns, and symbols are used to convey implied meanings in a variety of cultures. This class will provide an opportunity for extended and deepened comprehension by relating stories from one culture to another and interpreting the experiences, issues, and events revealed in some highly intriguing cultures. Through an analysis of the distinguishing and shared characteristics of each culture you will develop an understanding of how literature reflects, records, communicates and influences the interpretation of human experience on a global scale.

### NOVELS THROUGH FILM

Credits: 0.5 each course

Trimesters: 1 each course

Grade Level: 9-12

*Students may register for either or both courses.*

#### Course EN140 - Novels Through Film- Dystopia

Prerequisite: None

In this class, students will explore a variety of film versions of novels with dystopian settings, both classic and recently released, as pieces of visual literature. The main focus will be on analysis and interpretation of character, theme, setting, and plot. Short excerpts of the novel versions will be analyzed for comparison of the craft of the novel and script. The different films' themes of government control, individual freedoms, and the happiness of society also will be compared to each other.

#### Course EN141 - Novels Through Film- Real Life

Prerequisite: None

In this class, students will explore a variety of film versions of novels surrounding true stories of people's lives as pieces of visual literature. The main focus will be on analysis and interpretation

of character, theme, setting, and plot. Short excerpts of the novel versions will be analyzed for comparison of the craft of the novel to movie script. The different films' themes of modern struggles in life and overcoming them also will be compared to each other.

## FAMILY AND CONSUMER SCIENCE DEPARTMENT

### GENERAL NOTES

Surviving on Your Own satisfies the 4<sup>th</sup> year mathematics credit if both courses are successfully taken during the senior year.

### CHOICES

Credits: 0.5

Trimesters: 1

Grade Level: 9-10

Prerequisite: None

Course LM115 - Choices

Students will identify their own personality traits and their strengths and weaknesses. Students will use this information to set goals and explore possible career choices. This course includes information on relationships and on how to avoid destructive decisions.

### CHILD DEVELOPMENT

*OFFERED EVERY OTHER YEAR: 2023-24, 2025-26*

Credit: 0.5

Trimesters: 1

Grade Level: 11-12

Prerequisite: None

Course LM210 - Child Development

Students will study how children develop physically, intellectually, socially and emotionally. They will explore the facts and theories that go along with this topic. Observation and interaction with children will also be a part of the class.

### PARENTING

*OFFERED EVERY OTHER YEAR: 2022-23, 2024-25*

Credit: 0.5

Trimesters: 1

Grade Level: 11-12

Prerequisite: None

Course LM220 - Parenting

This course is intended as guidance for future parents. Students will study how to prepare themselves for parenting from pregnancy to birth and beyond. Students will look at different parenting styles and theories and will have the option of 'parenting' a 'Real Care' baby for a few days.

### NUTRITION

Credits: 0.5 each course

Trimesters: 1 each course

Grade Level: 11-12

Prerequisite: None

*Students may register for either or both courses.*

Course LM240 - Nutrition – General

How do you make the best choices from all of the foods available? How do you know who to believe with so much conflicting information? In this course, students will look at the crucial roles diet and daily physical activity play in health throughout their lifespan. Students will explore how their decisions affect their state of wellness. Students will also look at how to make informed decisions when it comes to purchasing, preparing and consuming foods.

Course LM241 - Nutrition – Your Body

Prerequisite: Nutrition - General

Students will study the principles of nutrition and how food affects the body, including issues related to health, disease, and athletic performance. Students will also look in depth at how the body uses nutrients from foods as well as looking at various food fads and diet claims.

## **SURVIVING ON YOUR OWN**

Credits: 0.5 each course

Trimesters: 1 each course

Grade Level: 11-12

*Students may register for either or both courses.*

Course LM250 - Surviving on Your Own – Household Finance

Prerequisite: None

This course will focus on financial goal setting, personal money management including saving and investing and creating spending plans (budgets).

Course LM251 - Surviving on Your Own – General Finance

Prerequisite: None

This course will focus on the use and cost of credit, securing paper work, insurance, and finding affordable housing.

# MATHEMATICS DEPARTMENT

## GENERAL NOTES

- To be successful in mathematics, it is important to fully understand the concepts at one level before moving on to the next level. Therefore, it is recommended that students move up to the next level only if they earn a C or above in the class.
- See the Math Sequence Table below. All courses on the same level can be taken concurrently to allow students to accelerate.
- Coding and Programming satisfies the visual, performing and applied arts credit requirement.

**Math Sequence Table**

<b>Level 0</b>	<b>Pre-Algebra</b> 3 trimesters				
<b>Level I</b>	<b>Algebra 1</b> 3 trimesters				
<b>Level II</b>	<b>Geometry</b> Beginning with 2021-2022 3 trimesters <i>Prereq: Algebra 1</i>				
<b>Level III</b>	<b>Algebra 2</b> 3 trimesters <i>Prereq: Algebra 1</i>	or	<b>Accelerated Algebra 2</b> 2 trimesters <i>Prereq: Algebra 1</i>	or	<b>Applied Algebra 2</b> 3 trimesters <i>Prereq: Algebra 1</i>
<b>Level IV</b>	<b>Statistics in Action</b> 2 trimesters <i>Prereqs: Geometry &amp; Algebra 2</i>	and /or	<b>Precalculus - Functions</b> 1 trimester <i>Prereqs: Geometry &amp; Algebra 2</i>	and /or	<b>Precalculus - Trigonometry</b> 1 trimester <i>Prereqs: Geometry &amp; Algebra 2</i>
<b>Level V</b>	<b>AP Statistics</b> 3 trimesters <i>Prereq: Precalc - Functions</i>	and /or	<b>AP Calculus AB</b> 3 trimesters <i>Prereqs: Precalc Functions &amp; Precalc Trig</i>	or	<b>AP Calculus BC</b> 3 trimesters <i>Prereqs: Precalc Functions &amp; Precalc Trig</i>

## PRE-ALGEBRA

Credits: 1.5

Grade Level: 9

*Students will be placed in this course based on need.*

Trimesters: 3

Prerequisite: None

Course MA105 - Pre-Algebra A

Course MA106 - Pre-Algebra B

Course MA107 - Pre-Algebra C

This course is designed for students to develop skills necessary for algebraic reasoning. Students will build from where they are mathematically to topics such as: working with positive



and negative numbers, proportional reasoning, basic geometry, linear relationships, solving equations and inequalities.

## **ALGEBRA I**

Credits: 1.5

Grade Level: 9-12

*Students must register for all three courses.*

Trimesters: 3

Prerequisite: None

Course MA110 - Algebra 1 A

Course MA111 - Algebra 1 B

Course MA112 - Algebra 1 C

This course is designed for students to develop foundations upon which to build algebraic thinking, solve equations and inequalities, and understand functions. Students will further develop their understanding among topics such as: solving equations and inequalities; linear, exponential, quadratic, and rational functions; systems of equations and inequalities, exponents, polynomials, radical and rational expressions, and data analysis and probability.

## **GEOMETRY**

Credits: 1.5

Grade Level: 9-12

*Students must register for both courses.*

Trimesters: 3

Prerequisite: Algebra 1

Course MA210 - Geometry A

Course MA211 - Geometry B

Course MA212 - Geometry C

This course is designed for students to further develop foundations upon which to build geometric and algebraic thinking. Students will further develop their understanding among topics such as: reasoning and proof, parallel and perpendicular lines, congruent triangles, relationships within triangles, right triangle trigonometry, polygons, similarity, transformations, area, surface area and volume, circles, and probability.

## **APPLIED GEOMETRY**

Credits: 1.5

Grade Level: 9-11

*Students must register for both courses.*

*Not Offered 2022-23*

Prerequisite: Algebra 1

Course MA215 - Applied Geometry A

Course MA216 - Applied Geometry B

Course MA217 - Applied Geometry C

This course is designed for students to further develop foundations upon which to build geometric and algebraic thinking. Students will further develop their understanding among topics such as: reasoning and proof, parallel and perpendicular lines, congruent triangles, relationships within triangles, right triangle trigonometry, polygons, similarity, transformations, area, surface area and volume, circles, and probability. This course moves at a slower pace than Geometry to ensure students develop full understandings of the content at a pace that is appropriate. *NOTE: This course does not meet NCAA eligibility requirements.*

## **APPLIED ALGEBRA II**

Credits: 1.5

Grade Level: 11, 12

*Students must register for all three courses.*

Trimesters: 3

Prerequisite: Geometry

*This course is not recommended for any student planning to go directly into a 4-year college or university after graduation.*

Course MA305 - Applied Algebra II A

Course MA306 - Applied Algebra II B

Course MA307 - Applied Algebra II C

In this course students will study the priority standards of the Algebra 2 curriculum with a focus on real-life applications of mathematics. These concepts include but are not limited to fractions, radicals, solving equations, and graphing functions. Students who earned credit for Algebra 1 and Geometry and believe they would be more successful given some additional time to study the complex topics introduced in the Algebra 2 curriculum should enroll in this alternative choice to Algebra 2. The course is recommended for students who are interested in being successful on junior college placement exams and required exams for entrance into the military, technical programs, and vocational institutions. *NOTE: This course does not meet NCAA eligibility requirements.*

## **ALGEBRA II**

Credits: 1.5

Grade Level: 9-12

*Students must register for all three courses.*

Trimesters: 3

Prerequisite: Algebra 1

Course MA310 - Algebra 2 A

Course MA311 - Algebra 2 B

Course MA312 - Algebra 2 C

This course is designed for students to develop algebraic thinking. Students will further develop their understanding among topics such as: expressions, equations, inequalities, functions, equations, graphs, linear systems, quadratic, polynomial, radical, exponential, and rational functions, sequences and series, quadratic relations and conic sections, probability and statistics, matrices, and trigonometric concepts. This course can be taken concurrently with Geometry.

## **ALGEBRA 2 – ACCELERATED**

Credits: 1.0

Grade Level: 9-12

*Students must register for both courses.*

Trimesters: 2

Prerequisite: B+ in Algebra 1

Course MA320 - Algebra 2 – Accelerated A

Course MA321 - Algebra 2 – Accelerated B

This course is the same curriculum as Algebra 2 delivered at an accelerated pace. This course can be taken concurrently with Geometry. The rigorous pace of this course will demand a serious commitment to doing work outside of school.

## **PRECALCULUS – TRIGONOMETRY**

Credits: 0.5  
Grade Level: 9-12

Trimesters: 1  
Prerequisite: Algebra 2 & Geometry

Course MA410 - Precalculus – Trigonometry

Students will cover topics related to circle trigonometry and trigonometric identities, polar and rectangular coordinates, evaluating parametric equations, and graphing parametric equations. The rigorous pace of this class will demand a serious time commitment outside of school. Students taking Precalculus - Trigonometry are preparing for college level classes in college algebra and calculus.

## **PRECALCULUS – FUNCTIONS**

Credits: 0.5  
Grade Level: 9-12

Trimesters: 1  
Prerequisite: Algebra 2 & Geometry

Course MA420 - Precalculus – Functions

Students will cover topics related to exponential, logarithmic, and rational functions. Students will also discuss quadratic functions and higher degree polynomial relationships. The rigorous pace of this class will demand a serious time commitment outside of school. Students taking Precalculus - Functions are preparing for college level classes in college algebra and calculus.

## **STATISTICS IN ACTION**

Credits: 1.0  
Grade Level: 9-12  
*Students must register for both courses.*

Trimesters: 2  
Prerequisite: Algebra 2 & Geometry

Course MA440 - Statistics in Action A  
Course MA441 - Statistics in Action B

This course incorporates three major themes: collecting data, displaying data, and analysis of data. Surveys will be designed and distributed, samples will be determined, and experiments will be designed and simulated. One and two variable data sets will be displayed using multiple graphs. After collecting and displaying data, the data will be analyzed. A study of the rules of probability and the types of distributions will help students understand how to make decisions from data. This course will be project based using technology to analyze and present reports on real world data.

## **ADVANCED PLACEMENT STATISTICS**

Credits: 1.5  
Grade Level: 9-12  
*Students may register for AP Statistics A, or register for all three courses.*

Trimesters: 3  
Prerequisites: Precalculus - Functions

Course MA690 - AP Statistics A  
Course MA691 - AP Statistics B  
Course MA692 - AP Statistics C

This course incorporates four major themes: exploratory analysis, planning a study, probability inference and statistical inference. Graphical and numerical techniques will be used to study patterns and departures from patterns. An examination will be made of relationships among variables and unusual values, as well as characteristics, shape, location, and variability of distributions. Collecting data based on a well-developed plan, identifying important variables

and specifying how they are measured, and formulating a mathematical model for which inference can be drawn will be important activities. Probability will be used to anticipate what the distribution of data should look like under a given model. Key concepts of randomness and variation will be discussed in detail.

### **ADVANCED PLACEMENT CALCULUS AB**

Credits: 1.5

Grade Level: 9-12

*Students must register for all three courses.*

Trimesters: 3

Prerequisites: Precalculus - Functions & Precalculus-Trigonometry (or full credit Precalculus)

Course MA790 - AP Calculus AB A

Course MA791 - AP Calculus AB B

Course MA792 - AP Calculus AB C

This course is a thorough introduction to calculus for students who intend to continue in mathematics, and for those who will use calculus in other fields of study. Topics include: finite and nonexistent limits, continuity, definition of derivatives, statements and applications of theorems about derivatives and applications of derivatives, linear approximation, rates of change, properties of graphs, The Fundamental Theorem of Calculus, and a limited introduction to definite and indefinite integration. Students will investigate applications in related rates, optimization, solid geometry and elementary mechanics.

### **ADVANCED PLACEMENT CALCULUS BC**

Credits: 1.5

Grade Level: 9-12

*Students must register for all three courses.*

Trimesters: 3

Prerequisites: Precalculus - Functions & Precalculus-Trigonometry (or full credit Precalculus)

Course MA890 - AP Calculus BC A

Course MA891 - AP Calculus BC B

Course MA892 - AP Calculus BC C

This course will include most of the work of AP Calculus AB, in addition to the topics of vector functions, parametric equations, polar coordinates and related equations, rigorous definitions of limits, derivatives of vector functions and parametrically defined functions, further explorations of L'Hopital's Rule, tangent lines to parametrically defined curves, velocity and acceleration vectors for motion on a plane curve, additional techniques for integration, area bounded by polar curves, conic functions, and a study of the convergence of divergence of sequences and series.

### **INTRO TO COMPUTER SCIENCE AND CODING**

Credit: 0.5

Grade Level: 9-12

Trimesters: 1

Prerequisite: None

Course MA910 - Coding/Programming

What do computer games, movies, cars, and the modern home have in common? They are all controlled by computer programs! Coding is the way to tell the computer what you want it to do, step by step and with immediate feedback. It all starts with a step, and this class will start you on your way. This course satisfies the visual, performing and applied arts graduation requirement.

## **ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES**

Credits: 1.5

Grade Level: 9-12

*Students must register for all three courses.*

Trimesters: 3

Prerequisites: Algebra 1

What is the fastest growing field? Computer Science! According to the United States Department of Labor, computer and information research scientist is projected to grow 19 percent from 2016 to 2026, much faster than the average for all occupations. This course is an introductory class that will help students develop computational thinking skills vital for success in all disciplines. Topics include abstraction, data processing and lists, how the internet works, algorithms and simulations, and how computers work. The curriculum has students investigating and developing programs to solve problems, developing effective communication and collaboration skills. Current events in computer science are analyzed and collected, provoking discussions and helping students prepare for the in-class portion of the AP CSP exam. This course satisfies the visual, performing and applied arts graduation requirement.

## **ADVANCED PLACEMENT COMPUTER SCIENCE A**

Credits: 1.5

Grade Level: 9-12

*Students must register for all three courses.*

Trimesters: 3

Prerequisites: Algebra 1, AP Computer Science Principles,  
Algebra 2 or teacher recommendation.

AP Computer Science A is an introductory college-level computer science course. Students will cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures. This course satisfies the visual, performing and applied arts graduation requirement.

# MUSIC DEPARTMENT

## GENERAL NOTES:

All music classes satisfy the visual, performing and applied arts credit requirement.

## FUNDAMENTALS OF MUSIC

Credits: 0.5

Trimesters: 1

Grade Level: 9-12

Prerequisite: None. Music reading skills recommended

Course MU100 - Fundamentals of Music

Fundamentals of Music is a course open for 9-12 students and designed for those students who have a genuine interest in music who may not have formal training. This class is designed as an introduction course to Music Theory. Students will learn the basic concepts of formal music theory as well as the influence of Common Practice Theory in today's genres of music.

## MUSIC THEORY

Credits: 1.0

Trimesters: 2

Grade Level: 10-12

Prerequisites: Fundamentals of Music or pass Music Theory placement exam

Course MU110 - Music Theory A

Course MU111 - Music Theory B

Music Theory is for all students in grades 9-12 who want to know more about music. Because music is an important part of life, knowing how music is put together can improve the performance of music, increase the understanding of music and expand the enjoyment of music.

## GUITAR

Credits: 0.5 each course

Trimesters: 1 each course

Grade Level: 9-12

*Students may register for Guitar A or for both courses.*

Course MU220 - Guitar A

Prerequisite: None

This class is designed to educate new or experienced musicians in the basic techniques of guitar playing, music theory, and music history. Students will explore different genres of guitar music from rock and roll to classical. The class performs once during the Semester. Guitars are provided. Attendance at the evening performance is required. No audition is necessary.

Course MU221 - Guitar B

Prerequisite: Guitar A or pass an audition

Guitar B is designed for guitar players with moderate experience. It will teach intermediate techniques of guitar playing, music theory, and music history. Students will learn solo techniques and intermediate chord and finger picking techniques. Guitars are provided. Attendance at the evening performance is required.

Course MU222 - Guitar C

Prerequisite: Guitar A and B or pass an audition

Guitar C has a different focus than Guitar A and B. While Guitar A and B are designed to develop technique, the focus of Guitar C is to take the skills learned in Guitar A and B and use them for performing. Students will gain experience through the performance of classical, folk, and pop

music as a large ensemble. Students will be given opportunities to perform in small groups as well. **Attendance at an evening performance is required.**

## PIANO

Credits: 0.5 each course

Trimesters: 1 each course

Grade Level: 9-12

*Students may register for Piano A or for both courses.*

Course MU230 - Piano A

Prerequisite: None

This course is designed for those students who have an interest in learning how to play piano and have little to no previous formal training. In this class, students will learn the basic fundamentals of piano as well as learn a variety of styles and songs from both the classical and contemporary era.

Course MU231 - Piano B

Prerequisite: Piano A or audition

This course is designed for those students who have some previous formal training or experience playing the piano. In this class, students will learn more advanced fundamentals of piano as well as learn a variety of styles and songs from both the classical and contemporary era.

## BAND

Credits: 1.5

Trimesters: 3

**Band is a year-long commitment. Students must register for three trimesters.**

*Students must select one of the following sequences:*

*- Marching – Wind Ensemble– Wind Ensemble*

*- Marching – Symphonic – Symphonic*

*All 9<sup>th</sup> graders will start in Symphonic Band unless passed into Wind Ensemble.*

### MARCHING BAND

Course BA200 - Marching Band

Prerequisite: Pass 8<sup>th</sup> grade band, or permission of instructor

Grades: 9-12

This ensemble meets for the first trimester during 6<sup>th</sup> period and is responsible for performing at all home Varsity Football Games as well as playoff games. This ensemble is also responsible for marching in parades and will perform in at least 3 marching competitions or festivals throughout the season. Band Camp attendance for this ensemble is also a requirement. This ensemble is open for all high school students 9-12 with previous ensemble experience. You must also be signed up for two other trimesters of Ensemble Music (Wind Ensemble, Symphonic Band, or Philharmonic). **Performances are mandatory.**

### SYMPHONIC BAND

Course BA210 - Symphonic Band A

Trimesters: 2

Course BA211 - Symphonic Band B

Prerequisite: Pass 8<sup>th</sup> grade band, or permission of instructor

Grades: 9-12

Symphonic Band is required for all students in grades 9-12 who play a wind or percussion instrument. This ensemble provides students with a variety of performing opportunities; including full band, full orchestra, chamber ensembles and solos. Symphonic band performs literature at the class D, C, B difficulty level from the MSBOA basic music list (see [www.msboa.org](http://www.msboa.org)). Key concepts of Symphonic Band include building instrumental technique

skills, music reading, ensemble rehearsal skills, music history, and ear training. **Performances are mandatory.**

### **WIND ENSEMBLE**

Course BA300 - Wind Ensemble A  
Course BA301 - Wind Ensemble B  
Grades: 9-12

Trimesters: 2  
Prerequisite: Audition

You must have been a member of Symphonic Band or selected by an audition. Wind Ensemble is for students in grades 9-12 who play a wind or percussion instrument. This ensemble provides students with a variety of performing opportunities; including full band, full orchestra, chamber ensembles, and solos. Wind Ensemble performs literature at the class B, A, AA difficulty level from the MSBOA basic music list (see [www.msboa.org](http://www.msboa.org)). Key concepts of Wind Ensemble include building instrumental technique skills, advanced music reading, ensemble rehearsal skills, music history, and ear training. This ensemble also acts as the Pep Band for selected girls and boys basketball games. The director reserves rights to exceptions based on the needs of the ensemble. **Performances are mandatory.**

### **JAZZ ENSEMBLE**

Course BA250 - Jazz Ensemble A  
Course BA251 - Jazz Ensemble B  
Grades: 9-12

**Not Offered 2022-23**

Trimesters: 2  
Prerequisite: Pass 8<sup>th</sup> grade band or permission of instructor.

Jazz Ensemble is open for 9-12 grade students. Jazz Ensemble is a course devoted to the study and performance of the standard jazz works of our American cultural heritage. Major topics will include style, jazz theory, and improvisation skills. Enrollment is for trumpet, trombone, and saxophone. The rhythm section is limited to one guitar, one bass (upright or electric), one piano, one drum set, and two auxiliary percussionists. **Performances are mandatory.**

### **LAKEVIEW HIGH SCHOOL PHILHARMONIC**

Credits: 1.5  
Grades: 9-12

Trimesters: 3  
Prerequisite: String or percussion previous playing experience.

Course OR100 - Philharmonic A  
Course OR101 - Philharmonic B  
Course OR102 - Philharmonic C

Philharmonic is for all students in grades 9-12 who play violin, viola, cello or bass. This ensemble provides students with a variety of performing opportunities; including string orchestra, full orchestra, chamber ensembles, and solos. The Lakeview High School Philharmonic performs literature at the class C, B, A difficulty level from the MSBOA basic music list (see [www.msboa.org](http://www.msboa.org)). Key concepts of this ensemble include building instrumental technique skills, music reading, ensemble rehearsal skills, music history, and ear training. **Philharmonic is a full year commitment (exceptions are made on a case by case basis; please talk to your counselor and instructor). Performances are mandatory.**

### **CONCERT CHOIR**

Credits: 1.5  
Grade Level: 9-12  
*Students are encouraged to register for all three courses.*

Trimesters: 3  
Prerequisite: None

Course CH100 - Concert Choir A  
Course CH101 - Concert Choir B



## Course CH102 – Concert Choir C

Concert Choir is an introductory choir. Its purpose is to educate new singers about basic music theory, music history, and proper singing techniques. The group meets only during the 2<sup>nd</sup> and 3<sup>rd</sup> trimesters and performs 1 or 2 times during the course. **Attendance at evening performances is required.** No audition is necessary.

### CANTABILE

Credits: 1.5

Trimesters: 3

Grade Level: 9-12

Prerequisite: Audition

*Students must register for all three courses. Students may not register until auditions are completed.*

Course CH200 - Cantabile A

Course CH201 - Cantabile B

Course CH202 - Cantabile C

Cantabile (kahn-TAH-bee-lay) is a treble (Soprano and Alto) choir that performs intermediate choral music from the “classical” genre. Cantabile performs numerous times throughout the year and may participate in District and State Choral Festivals. **Attendance at evening performances is required.** Students learn the fundamentals of music theory, music history, and proper singing technique at an intermediate level.

### CHAMBER CHOIR/SPARTANAIRE

Credits: 1.5

Trimesters: 3

Grade Level: 9-12

Prerequisite: Audition

*Students must register for all three courses. Students may not register until auditions are completed.*

Course CH250 - Chamber Choir/Spartanaires A

Course CH251 - Chamber Choir/Spartanaires B

Course CH252 - Chamber Choir/Spartanaires C

Chamber Choir is a mixed (Soprano, Alto, Tenor, Bass) choir that performs advanced choral music from the “classical” genre. Chamber Choir performs numerous times throughout the year and may participate in District and State Choir Festival. **Attendance at evening performances is required.** Students learn the fundamentals of music theory, music history, and proper singing technique at an advanced level. Members of the Chamber Choir also perform as The Spartanaires. The Spartanaires is a show choir which blends singing and dancing to create an entertaining, high-energy performance. The Spartanaires perform music of the “pop” genre (show tunes, top 40, vocal jazz, etc.).

### ADVANCED PLACEMENT MUSIC THEORY

Credits: 1.0

Trimesters: 2

Grade Level: 11-12

Prerequisite: Music Theory & permission of instructor

Course MU280 - AP Music Theory A

Course MU281 - AP Music Theory B

Students in AP Music Theory study college-level classical theory as mandated by the AP music theory syllabus. Topics include part writing and analysis of music from Bach to the early twentieth century. Ear training includes sight-singing, melodic and harmonic dictation, and interval identification.

# PHYSICAL EDUCATION DEPARTMENT

## PERSONAL FITNESS

Credit: 0.5  
Grade Level: 9

Trimesters: 1  
Prerequisite: None

Course PE100 - Personal Fitness

This course is required for all freshmen. It may be postponed to the sophomore year if a scheduling conflict exists. The course includes a variety of physical education experiences, including aerobic activities, strength training, team and individual sports, and recreation and leisure time activities.

## HEALTH

Credits: 0.5  
Grade Level: 9

Trimesters: 1  
Prerequisite: None

Course PE110 - Health

This course is required for all freshmen (it may be postponed to the sophomore year if a scheduling conflict exists). The course includes a variety of units in the health education area. These units include stress management, substance use and abuse, human sexuality, relationships, exercise, nutrition, and sexually transmitted diseases.

## COURT SPORTS

Credits: 0.5 each course  
Grade Level: 9-12

Trimesters: 1 each course  
Prerequisite: Personal Fitness

*Students must register for the course based on the number of trimesters they wish to take. For example, if a student wants to take 2 trimesters of Court Sports, they should register for course number PE211.*

Course PE210 - Court Sports - 1 trimester  
Course PE211 - Court Sports - 2 trimesters  
Course PE212 - Court Sports - 3 trimesters

This is an elective course open to all students in all grades who have passed Personal Fitness. Lifelong fitness is emphasized through participation in team handball volleyball, floor hockey, basketball, badminton, pickleball, lacrosse, soccer, Air Force football, and tennis. Aerobic fitness is also emphasized.

## AEROBICS - CORE AND MORE

Credits: 0.5 each course  
Grade Level: 9-12

Trimesters: 1 each course  
Prerequisite: Personal Fitness

*Students must register for the course based on the number of trimesters they wish to take. For example, if a student wants to take 2 trimesters of Aerobics, they should register for course number PE231. Aerobics: Core & More activities will include step aerobics, \*water aerobics/dry land training, kickboxing, power walking, jogging, stability ball training, circuit training, resistance training, Pilates, Yoga & more.*

Course PE230 - Aerobics - 1 trimester  
Course PE231 - Aerobics - 2 trimesters

Course PE232 - Aerobics - 3 trimesters

This is an elective physical education course open to all students in grades who have passed Personal Fitness. The goal of this class is to improve one's fitness level through a variety of cross training activities. Flexibility and muscle toning sessions will be included.

### **WEIGHT TRAINING**

Credits: 0.5 each course

Grade Level: 9-12

Trimesters: 1 course

Prerequisite: Personal Fitness

*Students must register for the course based on the number of trimesters they wish to take. For example, if a student wants to take 2 trimesters of Weight Training, they should register for course number PE221.*

Course PE220 - Weight Training - 1 trimester

Course PE221 - Weight Training - 2 trimesters

Course PE222 - Weight Training - 3 trimesters

This is an elective course open to all students in grades who have passed Personal Fitness. The curriculum emphasizes strength training through a rigorous weight-training program. Each student will be expected to set and achieve goals commensurate with their ability. Activities that encourage aerobic fitness and flexibility will also be included.

### **OLYMPIC POWERLIFTING**

Credits: 0.5 per course

Grade Level: 10-12

Trimesters: 1 course

*Students must register for the course based on the number of trimesters they wish to take. For example, if a student wants to take 2 trimesters of Powerlifting, they should register for course number PE224.*

Course PE223 - Olympic Powerlifting - 1 trimester

Course PE224 - Olympic Powerlifting - 2 trimesters

Course PE225 - Olympic Powerlifting - 3 trimesters

This course is designed for students who have advanced experience in weight and agility training. Students will work on building strength and technique through the specific sets and variations of Olympic lifts. This course is for students who are also enrolling in 3 trimesters of Weight Training.

# SCIENCE DEPARTMENT

## GENERAL NOTES

It is recommended that students complete the required three course sequence in science before taking elective science courses, but this is not required. Also, beginning in 2018-19, due to new national science standards, Biology, Chemistry and Physics will be taken in a different order. The "A" sections (i.e., the first half of each course) must be taken prior to taking the "B" sections (the second half) of each course. This is based on newly established best practices in delivery of science curriculum.

## BIOLOGY A

Credits: 0.5  
Grade Level: 9-11

Trimesters: 1  
Prerequisite: None

Course SC110 - Biology A

This course emphasizes the patterns, process, and the relationship of living organisms. Students will use observations, experiments, hypothesis, tests, model, theory and technology to explore how life works. Core ideas for Biology A include cell division, DNA, genetics and heredity, and evolution. There will be multiple opportunities for students to apply these ideas in developing solutions to authentic problem-based scenarios while also exploring career opportunities.

## BIOLOGY B

Credits: 0.5  
Grade Level: 9-11

Trimesters: 1  
Prerequisite: Physics A, Biology A, Chemistry A

Course SC111 - Biology B

This course emphasizes the patterns, process, and the relationship of living organisms. Students will use observations, experiments, hypothesis, tests, model, theory and technology to explore how life works. Core ideas for Biology B include organic structures and homeostasis, matter and energy, ecology and energy flow, biodiversity and human impact. There will be multiple opportunities for students to apply these ideas in developing solutions to authentic problem-based scenarios while also exploring career opportunities.

## CHEMISTRY A

Credits: 0.5  
Grade Level: 9-11

Trimesters: 1  
Prerequisite: None

Course SC210 - Chemistry A

This course will cover content in kinetics, thermochemistry, atomic structure, periodic table and chemical bonding that stresses the structure/property relationships inherent in chemical systems. Students will use observations, experiments, hypotheses, models, theories and technology to explore how matter behaves. There will be multiple opportunities for students to apply these ideas in developing experiments and discover explanations to authentic real life phenomena.

## **CHEMISTRY B**

Credits: 0.5  
Grade Level: 9-11

Trimesters: 1  
Prerequisite: Physics A, Biology A, Chemistry A

Course SC211 - Chemistry B

This course will cover content in writing and naming formulas, writing and balancing equations, stoichiometry, and equilibrium. Students will use observations, experiments, hypotheses, models, theories and technology to explore how matter behaves. There will be multiple opportunities for students to apply these ideas in developing experiments and discover explanations to authentic real life phenomena.

## **PHYSICS A**

Credits: 0.5  
Grade Level: 9-11

Trimesters: 1  
Prerequisite: None

Course SC220 - Physics A

This course explores the physical world through observations, theoretical work, laboratory experiences and real-world engineering projects. Topics of study include sound, electricity and magnetism, and electromagnetic energy (light). Students will have several opportunities to describe real-world phenomena through the studied physical laws of nature.

## **PHYSICS B**

Credits: 0.5  
Grade Level: 9-11

Trimesters: 1  
Prerequisite: Physics A, Biology A, Chemistry A

Course SC221 - Physics B

This course explores the physical world through observations, theoretical work, laboratory experiences and real-world engineering projects. Topics of study include motion, forces, work and energy, and momentum. Students will have several opportunities to describe real-world phenomena through the studied physical laws of nature.

## **ENVIRONMENTAL SCIENCE**

Credits: 0.5 each course  
Grade Level: 10-12

Trimesters: 1 each course  
Prerequisite: Biology A and B

*Students may register for either or both courses.*

Course SC250 - Environmental Science – Action Project

Environmental Science - Action/Project will be action/project based and will provide a unique hands-on experience for students. Students will have opportunities to apply their education in real world situations as they collaborate with community organizations and businesses. Sustainable Business is a new and exciting field of study and is predicted to be one of the fastest growing jobs in the future. This course provides an opportunity for students to look at the growing interest the professional world is taking in environmental monitoring, management and regulatory compliance. Students will be provided with an understanding of how local companies currently affect the environment and what practices are in place to address this. Examples of projects include: community composting (on LHS campus in partnership with Sprout Urban Farms), alternative energy (bike peddling project with Gateway Sports and Sprout Urban Farms), and community gardening/local food benefits (Leila Arboretum), business inventories (local businesses) and more.

### Course SC251 - Environmental Science - Water Resources

Environmental Science - Water Resources will have an emphasis on water resources including aquatic ecosystems, water quality studies and testing, welfare of the Great Lakes and other local waters and their resources, participation in projects related to recycling and conservation at our homes and in our community. Past and current regional and national environmental problems will be researched and debated.

### **ASTRONOMY**

Credits: 0.5

Grade Level: 10-12

Trimesters: 1

Prerequisite: None

### Course SC270 - Astronomy

This course attempts to answer the question, "what's up in the night sky?" Through theoretical work, nighttime observations, and creative projects, students will learn about what objects and events form our universe. The course caters to student interest as well as current, relevant astronomical events and research, but also includes units of study relating to backyard astronomy, stars and stellar evolution, our solar system, galaxies, and cosmology. Field observations (staying up late and looking at the night sky) is required for the course.

### **PRINCIPLES OF BIOMEDICAL SCIENCES**

Credit: 1.5

Grade Level: 10-12

Trimesters: 3

Prerequisite: None

*Students must register for all three courses.*

Course SC350 –Principles of Biomedical Sciences A

Course SC351 - Principles of Biomedical Sciences B

Course SC352 - Principles of Biomedical Sciences C

In the introductory course of the PLTW Biomedical Science program, students explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems.

### **HUMAN BODY SYSTEMS**

Credit: 1.5

Grade Level: 10-12

Trimesters: 3

Prerequisite: Biology or Principles of Biomedical Sciences

*Students must register for all three courses.*

Course SC360 –Human Body Systems A

Course SC361 - Human Body Systems B

Course SC362 - Human Body Systems C

This course is comparable to an introductory college anatomy class. Students pursuing occupations in the medical field are strongly encouraged to participate. Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis in the body. Through projects such as determining the identity of a skeleton using both forensic anthropology and DNA analysis, students examine the interactions of human body systems and apply what they know to solve real-world medical cases. Exploring science in action, students build organs and tissues on a skeleton mannequin, monitor body functions such as muscle movement, reflex and voluntary action, and respiration while taking on the role of biomedical professionals. . It

is strongly advised that any student who is unable to commit to excellent attendance and/or maintain excellent attendance not select this course.

### **ADVANCED PLACEMENT BIOLOGY**

Credit: 1.5

Grade Level: 10-12

*Students must register for all three courses.*

Trimesters: 3

Prerequisite: Biology A and B;  
or instructor approval

Course SC305 - AP Biology A

Course SC306 - AP Biology B

Course SC307 - AP Biology C

This course will take a thematic approach investigating energy transfer, continuity and change, the relationship of structure to function, homeostasis, and interdependence in nature and science technology and society. These themes will be used as the class studies molecules, cells, heredity, evolution and populations. Labs and independent research will be conducted covering topics in molecular biology, photosynthesis and respiration. For purposes of college application, this is an honors course.

### **ADVANCED PLACEMENT CHEMISTRY**

Credit: 1.5

Grade Level: 10-12

*Students must register for all three courses.*

Trimesters: 3

Prerequisite: Chemistry A and B, and Algebra 2;  
or instructor approval

Course SC315 - AP Chemistry A

Course SC316 - AP Chemistry B

Course SC317 - AP Chemistry C

This course is the second of a two-course sequence that stresses the structure/properties of relationships inherent in chemical systems. The chemistry topics covered are equivalent to the first two University Chemistry classes with a five on the AP test and accepting Universities. Course topics include kinetics, equilibrium, thermodynamics, and solution chemistry along with a study of more in-depth topics from Chemistry One. This course is highly recommended for any student interested in attending a four-year college or university. This is a rigorous course which requires out of school work.

### **ADVANCED PLACEMENT PHYSICS I: ALGEBRA-BASED**

Credits: 1.5

Grade Level: 10-12

*Students must register for all three courses.*

Trimesters: 3

Prerequisite: Physics A and B and Geometry;  
or instructor approval

Course SC320 - AP Physics IA

Course SC321 - AP Physics IB

Course SC322 - AP Physics IC

This course dives deeper into concepts introduced in Physics A and Physics B and is equivalent to the first semester of an algebra-based university physics course. In-depth analysis, experimentation, and calculation of motion (kinematics, circular/rotational, and gravitational), energy and momentum, simple harmonic motion, electricity, and waves are completed during this year-long course. The course is laboratory and mathematically intensive and will require work outside of class.

# SOCIAL STUDIES DEPARTMENT

## GENERAL NOTES

- All advanced placement classes may be taken in place of the required social studies course, for example, AP World History meets the requirement for World History.
- Economics satisfies the online experience graduation requirement.

## WORLD HISTORY

Credits: 1.0

Grade Level: 9-12

*Students must register for both courses.*

Trimesters: 2

Prerequisite: None

Course SS125 - World History Western World

Course SS126 - World History Eastern World

World History examines the human experience on a worldwide scale. Students will explore the development and interaction of western and non-western human societies from the Neolithic period to the present by analyzing and evaluating significant events, ideas, movements, and patterns that have helped shape the modern world. Students will gain an understanding of history, geography, political processes, religion, ethics, diverse cultures, and humanities that will enable them to be informed and participating members of a global society. World History A will focus on the western world and World History B will focus on the eastern world.

## ADVANCED PLACEMENT WORLD HISTORY

Credits: 1.5

Grade Level: 9-11

*Students must register for all three courses.*

Trimesters: 3

Prerequisite: None

Course SS390 - AP World History A

Course SS391 - AP World History B

Course SS392 - AP World History C

This course is designed to develop greater understanding of the evolution of global processes, contacts, and interactions with different types of human societies. Areas of study include the impact of interaction among major societies through trade, war and diplomacy, the impact of technology and demography on people and environment, among other topics. Students taking this course are encouraged to take the Advanced Placement World History test in May.

## U. S. HISTORY

Credits: 1.0

Grade Level: 9-10

*Students must register for both courses.*

Trimesters: 2

Course SS200 - U.S. History A

Course SS201 - U.S. History B

Prerequisite: None

Prerequisite: U.S. History A

This course covers material from the Reconstruction period immediately following the Civil War to the present, including the development of modern America, world wars, and movements for equality. Topics are covered from a political and social perspective. Foreign and domestic policies are also discussed. This course uses a variety of sources, including both primary and



secondary, and relies upon a diversity of skills in assessments. US history A will focus on the history of the United States from post-civil war to the Great Depression and US history B will focus on WWII to the present day.

### **ADVANCED PLACEMENT U.S. HISTORY**

Credits: 1.5

Grade Level: 10-12

*Students must register for all three courses.*

Trimesters: 3

Prerequisite: None

Course SS395 - AP U.S. History A

Course SS396 - AP U.S. History B

Course SS397 - AP U.S. History C

This course is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in U.S. history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full year introductory college courses. Students will learn to assess historical materials and to weigh the evidence and interpretations presented in historical scholarship. This course is designed with the disciplined student in mind who is college bound and/or has a strong interest in United States history. Students taking this course are encouraged to take the Advanced Placement US History test in May.

### **INTRODUCTION TO ECONOMICS**

Credits: 0.5

Grade Level: 10-12

Course SS210 – Introduction to Economics

Trimesters: 1

Prerequisite: None

This is an introductory course in economics designed to minimally satisfy the Michigan state requirement of ½ credit of economics for graduation. Content covered includes the economic systems, supply and demand, Federal Budget and taxing, Federal Reserve and the money supply, business cycle, and globalization.

### **ADVANCED PLACEMENT MACROECONOMICS**

Credits: 1.0 – KCC Articulated Course

Grade Level: 10-12

*Students must register for both courses.*

Trimesters: 2

Prerequisite: None

Course SS251 - AP Macroeconomics A

Course SS252 - AP Macroeconomics B

AP Macroeconomics is a rigorous and intellectually demanding course designed to provide students with a thorough understanding of the principles of macroeconomics. Content includes supply and demand, unemployment, inflation, fiscal policy, long-run vs. short-run equilibrium, and other topics as outlined by the College Board. Upon completion of this class, the student has the option of taking the AP Macroeconomics test from which they could earn college credit.

## **ADVANCED PLACEMENT MICROECONOMICS**

Credits: 1.0 – KCC Articulated Course  
Grade Level: 10-12  
*Students must register for both courses.*

Trimesters: 2  
Prerequisite: None

Course SS253 - AP Microeconomics A  
Course SS54 - AP Microeconomics B

AP Microeconomics is a rigorous and intellectually demanding course designed to provide students with a thorough understanding of the principles of microeconomics. Content includes economic systems, supply and demand and market equilibrium, elasticity, role of consumer and role of producer, the role of government, and other topics as outlined by the College Board. Upon completion of this class, the student has the option of taking the AP Microeconomics test from which they could earn college credit.

## **SOCIOLOGY**

Credits: 0.5 each course  
Grade Level: 10-12  
*Students may register for either or both courses.*

Trimesters: 1 each course

Course SS220 - Sociology – Being Human

Prerequisite: None

Sociology A will introduce you to macro-sociology focusing on the study of institutions, culture, and the sociology perspective. How does your culture and family influence your personality and behaviors? How do sociologists look at the world? Topics discussed include culture, theoretical perspective, family, the media, school and other social institutions.

Course SS221 - Sociology B – Race and Gender

Prerequisite: None

Sociology B will introduce you to social psychology, focusing on issues of race and gender. Social psychology is the study of how people act and think in groups. This class will address many topics covered in AP Psychology so can give students a good idea if they would enjoy psychology. Topics will include social cognition, stereotypes, race and gender studies, and social stratification.

## **ADVANCED PLACEMENT PSYCHOLOGY**

Credits: 1.5  
Grade Level: 11-12

Trimesters: 3  
Prerequisite: None

*Students must register for all three courses.*

Course SS490 - AP Psychology A  
Course SS491 - AP Psychology B  
Course SS492 - AP Psychology C

In this course, students are exposed to the empirically-supported psychological facts, research findings, terminology, major figures, principles, and phenomena associated with each of the major subfields within psychology. Students will learn about the methods psychologists use in their science and practice. The aim of this course is to provide students with a learning experience equivalent to that obtained in most college introductory psychology courses. Students will be required to read college level text and prepare text annotations prior to daily lectures. Students will be prepared to succeed on the AP Exam. To succeed, students should plan on dedicating 1-2 hours of daily studying.

### **AMERICAN GOVERNMENT – TRADITIONAL FORMAT**

Credits: 1.0

Grade Level: 11-12

*Students must register for both courses.*

Trimesters: 2

Prerequisite: None

Course SS300 - American Government - Foundations

Course SS301 - American Government B - Politics

In this course students will study the basic principles and development of the United States Constitution, and the Federal System and the interrelationships of federal, state and local government. Students will also study the branches of government and the power struggle between them, as well as issues related to local government, including school districts, cities, and counties. American Government A will focus on the Constitution and structures of American Politics. American Government B will focus on the political process and becoming an active engaged citizen.

### **AMERICAN GOVERNMENT – ONLINE FORMAT**

Credits: 1.0

Grade Level: 11-12

*Students must register for both courses.*

Trimesters: 2

Prerequisite: Online orientation course and signed parent/student contract

Course SS305 - American Government A - Online

Course SS306 - American Government B - Online

This course has the same content as the traditional class but will be offered online and taught by Lakeview Staff. The only in-person requirement for this class will be 4 meetings after school hours spread throughout the trimester. Students will be required to log in to the class daily M-F, meet virtually with the teacher and other online students once a week, and complete weekly tasks. Students will be able to stay in the Media Center during the period that this course is assigned. A contract will be signed by the student and parent before the class begins to ensure understanding of the online requirements and responsibilities. This class can be scheduled during any block in your schedule.

### **ADVANCED PLACEMENT U.S. GOVERNMENT AND POLITICS**

Credits: 1.5

Grade Level: 11-12

*Students must register for all three courses.*

Trimesters: 3

Prerequisite: None

Course SS350 - AP U.S. Government A

Course SS351 - AP U.S. Government B

Course SS352 - AP U.S. Government C

AP United States Government and Politics is an intellectually demanding course designed to provide students with a complete understanding of government, politics, and the political process within the United States. This class is intended for students with a high interest in American governmental institutions and politics. Students will understand the history of government in America and the formation of the U.S. Constitution. They will study the governmental institutions provided by the Constitution, as well as major institutions not written in the Constitution. Students will develop a thorough understanding of the formation of public policy in America and the struggles associated with the formation of public policy, through the study of these institutions.

**WORLD AT WAR – 9/11 & THE WAR ON TERROR – ONLINE FORMAT**

Credits: 0.5  
Grade Level: 10-12

**Not Offered 2022-23**

Trimesters: 1

Prerequisite: Online orientation course and signed parent/student contract

Course SS312 - World at War – 9/11 and the War on Terror

This course will focus on 9/11 and the war on terror; including the motivations of terrorism, its human impact, and the effect of 9/11 has on us even today. We will focus on the Arab-Israeli conflict, the rise of the Taliban, the effects of the wars in Afghanistan and Iraq, the Arab Spring, and the state of the world today.

This course will be offered only online and taught by Lakeview Staff. The only in-person requirement for this class will be 4 meetings after school hours spread throughout the trimester. Students will be required to log in to the class daily M-F, meet virtually with the teacher and other online students once a week, and complete weekly tasks. Students will be able to stay in the Media Center during the period that this course is assigned. A contract will be signed by the student and parent before the class begins to ensure understanding of the online requirements and responsibilities. This class can be scheduled during any block in your schedule.

**WORLD AT WAR – WWII – ONLINE FORMAT**

Credits: 0.5  
Grade Level: 10-12

**Not Offered 2022-23**

Trimesters: 1

Prerequisite: Online orientation course and signed parent/student contract

Course SS310 - World at War – WWII

World at War - WWII and Holocaust will focus on WWII and the Holocaust. This class will look into the causes of WWII (including WWI) and then analyze the geopolitical and human impact of WWII, on both nation states and individuals. A key focus will be the origins of the Holocaust and its impact on our humanity even today. We will use primary sources and video presentations/movies to get an accurate understanding of the events of this time period.

**WORLD AT WAR – COLD WAR – ONLINE FORMAT**

Credits: 0.5  
Grade Level: 10-12  
Course SS311 - World at War - Cold War

**Not Offered 2022-23**

Trimesters: 1

Prerequisite: None

World at War - Cold War will focus on the Cold War - the world immediately following WWII and the giant ideological divide that separated the world from 1945-1989. We will study the details of such conflicts like the Korean War, the Vietnam War, the Cuban Missile Crisis, and even global thermo-nuclear war. We will use many primary sources from both sides of the Iron Curtain as well as many video clips and movies to get an accurate understanding of the events of this time period.

**ELECTIONS AND CONTEMPORARY AMERICAN POLITICS**

Credits: 0.5  
Grade Level: 10-12  
Course SS322 – Elections and Contemporary American Politics

Trimesters: 1

Prerequisite: None

This course will use major Hollywood films and documentaries to study contemporary politics in America. Examples of the feature films analyzed in this course are Bob Roberts, Wag the Dog, The War Room, Journeys with George, Nixon, and The Perfect Candidate. This course is academic in nature and will use the films as learning tools to study how politicians get and use power. During each presidential election year, students will closely study the election process, participate in an in-depth election simulation that will give them hands-on experience in running a political campaign, and conduct research on individuals, issues, and events (current and historical) related to the political topics studied throughout the course.

### **YOUTH EMPOWERMENT**

Credits: 0.5  
Grade Level: 9-12  
Course SS325 - Youth Empowerment

Trimesters: 1  
Prerequisite: None

This class will use interactions between students from Battle Creek Central High School and Lakeview High School to learn about each other and our community. We will also aggressively seek out experts in our own community, participate in cross-district projects that will improve the quality of life for students and the community at-large, and "experience" many of the issues discussed through field trips to places within our city and to further away places as well. The goal of the class is to challenge students' preconceived notions of people who are different from them and build leadership skills so that they can bring out the best in all people.

### **Introduction to Law**

Credits: 0.5  
Grade Level: 10-12  
Course SS335 - Pre-Law and Order

Trimesters: 1  
Prerequisite: None

Pre-Law and Order provides an overview of the U.S. legal system with an emphasis on constitutional law. The class will provide an introduction to criminal and civil law at the federal, state and local levels. Students will participate in mock trials, read landmark court cases, debate legal issues, and analyze how laws are enforced in the United State. Students will have opportunities to job-shadow local attorneys, judges, and police officers. Students will be given the opportunity to observe court proceedings in the state and federal court systems. This class is the first step in creating a mock trial team and entering in local, state, and federal mock trial competitions.

### **CULTURAL LITERACY**

Credits: 0.5  
Grade Level: 10-12  
Course SS380 - Cultural Literacy – Books and Movies

Trimesters: 1  
Prerequisite: None

Students will learn about the most influential books and movies of the 20th Century. They will analyze the historical impact as well as the historical context in which the books and movies were created. In addition, students will constantly be making connections to our culture today, developing an understanding of how we got the books and movies we have today. Finally, students will be lifting from these cultural artifacts lessons about how to understand themselves and the people around them better.

### **CULTURAL LITERACY**

Credits: 0.5  
Grade Level: 10-12  
Course SS381 - Cultural Literacy – Music and Sports

**Not Offered 2022-23**  
Trimesters: 1  
Prerequisite: None

Students will learn about the most influential music genres and sporting events/icons of the 20th century. We will analyze the historical impact of these events and individuals as well as the historical context that made them possible. In addition, we will constantly be making connections to our culture today, helping you understand how we get the books and movies we get today. Finally, we will be lifting from these cultural artifacts lessons how to understand yourselves and the people around you better.

### **STUDENT LEADERSHIP FOR CHANGE**

Credits: 0.5

Trimesters: 1

Grade Level: 9-12

Prerequisite: Election to student government or teacher approval

Course MI160 - Student Leadership for Change

This course is designed to help students understand the many aspects of leadership. Through a blend of classwork and hands-on activities, students will develop both a leadership philosophy and the skills needed to make positive change. In this class, students will examine leadership from both a theoretical and practical perspective. This course is unique, offering a great opportunity to the highly motivated student who seeks to improve the lives of others in their school and/or community. The course will culminate with each student leading a movement for positive change of his or her choosing. Students must have shown previous interest in leadership through past or current election to student government and/or involvement at leadership level of co/extra-curricular activities.

# SPECIAL EDUCATION DEPARTMENT

## GENERAL NOTES

- Special education services are provided at LHS to students who qualify for services based on need in one of the following formats:
  - o A regular education setting with a single regular education teacher,
  - o A regular education setting in which a regular education and a special education teacher team teach the course, and/or
  - o A special education setting with a single special education teacher.
- Course placement is dependent upon the individual student's progress toward graduation and identified disability. This placement is reviewed with teachers, counselors, parents and the student.
- The courses described below are those offered in a special education setting.
- The Certificate of Achievement focuses on helping students acquire the skills necessary to be independent and function successfully out in their community. The emphasis on this program is placed on functional academics, career and employability, prevocational, adult living, and personal social skills. Students in the program will also build skills in order to achieve their personalized post-secondary goals. Certification of Achievement students may have reduced credits per the IEP team and building administration, but no less than 21 credits including all core/required courses. Students in this program will receive a certificate of achievement.

## ADULT LIVING HOME REPAIR

Credits: 0.5  
Grade Level: 10

Trimesters: 1  
Prerequisite: None

Course LM080 – Adult Living Home Repair

This course will focus on the functional life skills of home maintenance projects that students might encounter in their adult life. Students in this class will learn to identify and master the use of basic household tools. The course focuses on how to complete projects from start to finish, including project planning, hanging drywall safely, taping, sanding, trims, and basic electrical wiring. Students will also learn repair techniques for plastering walls.

## AMERICAN HISTORY

Credits: 1.0  
Grade Level: 9-12

Trimesters: 2  
Prerequisite: None

*Students will be enrolled in both courses*

Course SS055 - American History A  
Course SS056 - American History B

This course covers material from the Reconstruction period immediately following the Civil War to the present, including the development of modern America, world wars, and movements for equality. Topics are covered from a political and economic standpoint and rely upon a diversity of skills and assessments.

## CONSUMER ECONOMICS

Credits: 1.0  
Grade Level: 11-12

Trimesters: 2  
Prerequisite: None

*Students will be enrolled in both courses*

Course SS060 - Consumer Economics A  
Course SS061 - Consumer Economics B

Students will cover basic economic principles and terminology that will give them the knowledge and tools needed to make rational economic decisions for themselves and our nation. Examples of the topics covered are: economic principles, supply and demand, the investment sector, the Federal Reserve System, economic markets, financial institutions, and the business cycle.

### **CITIZENSHIP**

Credits: 1.0

Trimesters: 2

Grade Level: 12

Prerequisite: None

*Students will be enrolled in both courses*

Course SS070 - Citizenship A  
Course SS071 - Citizenship B

This course will cover how American democracy has unique qualities. Students will learn about the three branches of government and how each has separate powers and responsibilities at the local, state, and federal levels. Students will explore how American officials are brought into office, and how Americans have individual rights and freedoms.

### **DAILY LIVING SKILLS 9**

Credits: 2.0

Trimesters: 2

Grade Level: 9-12

Prerequisite: None

*Students will be enrolled in both courses. Each course is two periods long.*

Course LM072 - Daily Living Skills 9 A  
Course LM073 - Daily Living Skills 9 B

This class is designed for the functional program. This class will focus on the basic skills for survival. In the class, students will work on knowing their personal information, work on daily household chores, and use the Safety Smart videos to help them learn how to be safe in the kitchen, in the community, and on the computer, etc. Daily Living Skills has a focus on shopping, budgeting, introduction to job skills, and money skills. Students will be making weekly trips to Meijer to practice these skills, complete recycling in the building and cooking weekly.

### **ENGLISH**

Credits: 1.5

Trimesters: 3

Grade Level: 9-12

Prerequisite: None

*Students will be enrolled in all three courses.*

Course EN010 - English 1 A	Course EN020 - English 2 A
Course EN011 - English 1 B	Course EN021 - English 2 B
Course EN012 - English 1 C	Course EN022 - English 2 C

This is a yearlong course designed to develop language arts skills for the functional program. Students will strengthen their reading fluency, vocabulary, spelling, grammar, and comprehension skills using a variety of reading materials. Students will also engage themselves in many forms of writing by being exposed to a variety of graphic organizers, computers, and other tools necessary to writing.



## **GEOGRAPHY**

Credits: 1.0

Grade Level: 9-12

*Students will be enrolled in both courses*

Trimesters: 2  
Prerequisite: None

Course SS080 - Geography A

Course SS081 - Geography B

Students will study and discover the earth and how people live on it. There will be five themes taught to organize geographic information about the planet. Students will also utilize visual representations of geographic information.

## **HEALTH**

Credits: 1.0

Grade Level: 9-12

*Students will be enrolled in both courses*

Trimesters: 2  
Prerequisite: None

Course PE050 - Health A

Course PE051 - Health B

This course will give students a greater understanding of the human body and how all aspects of personal health work together to create a healthy person. Topics will include health and wellness, personal hygiene, nutrition, first aid and safety, drugs and medicine and human development.

## **INTRODUCTION TO PHYSICAL SCIENCE**

Credits: 1.0

Grade Level: 9-12

*Students will be enrolled in both courses.*

Trimesters: 2  
Prerequisites: None

Course SC050 - Introduction to Physical Science A

Course SC051 - Introduction to Physical Science B

Students will study and apply the concepts of chemistry and physics. Students will identify properties of common families of elements, how elements differ in structural parts and electrical charges, the risk/benefit balance of using household and agricultural products, and the development of the new products by the breaking of bonds and rearrangement of atoms. Students will also study kinematics to learn how to analyze the patterns of force and motion in the operation of complex machines, relate characteristics of sounds and the properties of waves and light, the formation of stars through astronomy, and the principles of electricity and circuits. The learning of these facts will involve problem solving, research, and practical application and products.

## **LIFE SCIENCE**

Credits: 1.0

Grade Level: 9-12

*Students will be enrolled in both courses.*

Trimesters: 2  
Prerequisite: None

Course SC060 - Life Science A

Course SC061 - Life Science B

Biology is a course in laboratory science where students investigate the living world around them, using field study and laboratory techniques. Students study the diversity, complexity and interconnectedness of living systems. Topics addressed are cell physiology, organ systems, disease-causing organisms, genetics, evolution, characteristics and classification of life forms, ecology and what impact humans have on the environment and ecosystems of our earth.

## **MATH**

Credits: 1.5

Trimesters: 3

Grade Level: 9-12

Prerequisite: None

*Students will be enrolled in all three courses.*

Course MA010 - Math 1 A Course MA020 - Math 2 A

Course MA011 - Math 1 B Course MA021 - Math 2 B

Course MA012 - Math 1 C Course MA022 - Math 2 C

This is a yearlong course designed to develop math skills for students in the functional program. Students will strengthen their math computation skills using real life situations and basic math problems that involve money, time, and measurement. Other units include basic operations, geometry and fractions and decimals.

## **OCCUPATIONAL GUIDANCE**

Credits: 1.0

Trimesters: 2

Grade Level: 11-12

Prerequisite: None

*Students will be enrolled in both courses.*

Course LM061 - Occupational Guidance A

Course LM062 - Occupational Guidance B

This class is designed to give students a greater understanding of the world of work and what skills they will need to have success in the workplace. They will explore their interests, personalities, strengths and weaknesses along with how all of these categories shape their career choices. Students will explore the hard and soft skills of a job and learn about different careers and the requirements that are specific to the skills in the various pathways. Students will also be given the opportunity to complete a one-week work based learning experience, create a resume and practice interviewing skills with a variety of professionals.

## **WORK BASED LEARNING**

Credits: 1.0 - 4.5

Trimesters: 2-3

Grade Level: 12

Prerequisite: Occupational Guidance or related course

Course WL100 - Work Based Learning - 1 trimester

Course WL101 - Work Based Learning - 2 trimesters

Course WL102 - Work Based Learning - 3 trimesters

This class is designed to provide the opportunity for students to further develop and achieve their educational, occupational and employment goals as identified in their Educational Development Plan (EDP) and/or their Individualized Educational Plan (IEP) Transition Plan. The educational benefits for the student will include hands-on learning in jobs that they are interested in and giving them the ability to apply skills that they have learned previously. Prior to being placed on the job site, students will complete a review of why people work, benefits of working, complete online safety training, in addition to watching job training and workplace videos. Refer to the course outline for more information regarding the class and its expectations.

# TECHNOLOGY DEPARTMENT

## GENERAL NOTES

- All Technology classes satisfy the State visual, performing and applied arts credit requirement.
- Technology offerings address multiple purposes:
  - o The introductory classes utilize hands-on activities, which build confidence in the areas of technology.
  - o These experiences will help students make better career pathway decisions regarding post-secondary options.
  - o If students choose a college career pathway in the skilled trades or engineering, these classes allow them to begin to concentrate in one of the two broad areas of Technology: Physical Technology or Information Technology.
- Engineering 1, Woodworking Technology 1 - 4, and Manufacturing Technology 1-3 satisfy the 4<sup>th</sup> year math graduation requirement if taken successfully during the senior year.

## ENGINEERING 1: INTRODUCTION TO ENGINEERING DESIGN

Credits: 1.0

Trimesters: 2

Grade Level: 9-12

Prerequisites: Success completion of Algebra I recommended

*Students must register for both courses.*

Course TE500 - Engineering 1 A

Course TE501 - Engineering 1 B

This course will expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards and technical documentation. Students use 3D solid modeling design software to help them design solutions to problems and learn how to document their work and communicate solutions to peers and members of the professional community. Students will learn through activity-based, project-based, and problem-based learning. The course of study includes: design process, modeling, sketching, measurement, statistics, applied geometry, presentation design and delivery, engineering drawing standards, CAD solid modeling, reverse engineering, consumer product design, graphic design, engineering ethics, and virtual design teams.

## ENGINEERING 2: PRINCIPLES OF ENGINEERING

Credits: 1.0

Trimesters: 2

Grade Level: 10-12

Prerequisites: Engineering 1, or Physics, or Algebra 2

*Students must register for both courses.*

Course TE510 - Engineering 2 A

Course TE511 - Engineering 2 B

Principles of Engineering (POE) is a high school-level survey course of engineering. The course exposes students to some of the major concepts that they will encounter in a post-secondary engineering course of study. Students have an opportunity to investigate engineering and high tech careers. POE gives students the opportunity to develop skills and understanding of course concepts through activity-, project-, and problem-based (APPB) learning. Used in combination with a teaming approach, APPB learning challenges students to continually hone their interpersonal skills, creative abilities, and problem solving skills based upon engineering concepts. Students will develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges. Students will also learn how to document their work and communicate their solutions to their peers and members of the professional

community. It also allows students to develop strategies to enable and direct their own learning, which is the ultimate goal of education.

### **ENGINEERING 3: ENGINEERING DESIGN AND DEVELOPMENT**

Credits: 1.0

Grade Level: 11-12

*Students must register for both courses.*

Trimesters: 2

Prerequisites: Engineering 2

Course TE520 - Engineering 3 A

Course TE521 - Engineering 3 B

Have you ever said: "Don't you hate it when...?" Here is your chance to do something about it! Working as part of a team, you'll design a solution to a technical problem of your choosing. Research, design, test, and construct that solution and present it to industry partners. Engineering Design and Development (EDD) is the capstone course in the PLTW high school engineering program. It is an engineering research course in which students work in teams, or as individuals to design and develop an original solution to a valid open-ended technical problem by applying the engineering design process. After carefully defining the problem, teams or individuals will design, build, and test their solution. Finally, student teams will present and defend their original solution to an outside panel. While progressing through the engineering design process, students will work closely with a community mentor and will continually hone their organizational, communication and interpersonal skills, creative and problem solving abilities, and their understanding of the design process. The course applies and concurrently develops secondary level knowledge and skills in mathematics, science, engineering, and technology.

### **MANUFACTURING TECHNOLOGY 1**

Credits: 1.0

Grade Level: 9-12

*Students may register for Manufacturing Technology 1A, or both courses.*

Trimesters: 2

Prerequisite: None

Course MT100 - Manufacturing Technology 1A

Course MT101 - Manufacturing Technology 1B

In this class students will use tools and machinery to create a series of unique and useable projects. Torches, lathes, drills, and a sandblaster are among the machines that students will use to change steel, sheet metal, wood, and other material into finished products. This class is very active and will challenge students' ability to create things with their hands.

### **MANUFACTURING TECHNOLOGY 2**

Credits: 1.0

Grade Level: 9-12

*Students must register for both courses.*

Trimesters: 2

Prerequisite: Manufacturing Technology 1

Course MT200 - Manufacturing Technology 2A

Course MT201 - Manufacturing Technology 2B

Building upon what students have learned in Manufacturing Tech 1, this class will give students many new skills and abilities. CNC design, welding, plasma cutting, and advanced machining are just a few of the new skills students will learn while constructing exciting and advanced projects.

### **MANUFACTURING TECHNOLOGY 3**

Credits: 0.5 each course

Grade Level: 10-12

*Students must register for the course based on the number of trimesters they wish to take. For example, if a student wants to take 2 trimesters of Manufacturing Technology 3, they should register for course number MT301.*

Trimesters: 1 each course

Prerequisite: Manufacturing Technology 2

Course MT300 - Manufacturing Technology 3 - 1 trimester

Course MT301 - Manufacturing Technology 3 - 2 trimesters

This advanced technology class allows you to build your confidence and skill through technical research along with advanced equipment and processes. In this class you will design, engineer, and manufacture your own projects.

### **MANUFACTURING TECHNOLOGY 4**

Credits: 0.5 each course

Grade Level: 10-12

*Students must register for the course based on the number of trimesters they wish to take. For example, if a student wants to take 2 trimesters of Manufacturing Technology 4, they should register for course number MT401.*

Trimesters: 1 each course

Prerequisite: Manufacturing Technology 3

Course MT400 - Manufacturing Technology 4 - 1 trimester

Course MT401 - Manufacturing Technology 4 - 2 trimesters

This advanced technology class allows you to build your confidence and skill through technical research along with advanced equipment and processes. In this class you will design, engineer, and manufacture your own projects.

### **WOODWORKING TECHNOLOGY 1**

Credits: 1.0

Grade Level: 9-12

*Students must register for both courses.*

Trimesters: 2

Prerequisite: None

Course TE100 - Woodworking Technology 1A

Course TE101 - Woodworking Technology 1B

This introductory course teaches students the full range of ways to work with wood, from hand working to computer-driven machining. Students will design and build several projects using computer aided drafting, traditional woodworking tools, computer aided machining, computer-driven laser engraving, a wind tunnel, and other machines. Projects include pens, CO2 cars, a checkerboard, computer-drafted product designs, and much more. Students will test ideas during the design and building process of turning a raw material into a final product. Students will work mainly with woods, but will gain experiences with materials from plastics, cloth, glass, to composites like fiberglass and a variety of adhesives.

### **WOODWORKING TECHNOLOGY 2**

Credits: 1.0

Grade Level: 10-12

*Students must register for both courses.*

Trimesters: 2

Prerequisite: Woodworking Technology 1

Course TE200 - Woodworking Technology 2A

Course TE201 - Woodworking Technology 2B

Building upon the content of Introduction to Woodworking Technology, this class brings it all together. Students will design and build projects that require many processes and tools in the lab. While using the latest production processes, students will develop their creativity and skills by doing hands-on work including CAD, CAD/CAM- computer aided machining, laser engraving, and challenging cabinet making techniques. Students will leave this class with a beautiful mantel clock that they will be proud of for the rest of their lives.

### **WOODWORKING TECHNOLOGY 3**

Credits: 0.5 each course

Grade Level: 10-12

*Students must register for both courses.*

Trimesters: 1 each course

Prerequisite: Woodworking Technology 2

Course TE300 - Woodworking Technology 3A

Course TE301 - Woodworking Technology 3B

"I can build that." Students will be able to say this about any consumer product or piece of furniture by the end of this class. Students' creative genius can drive their work because they now have the skills and experience to design and build anything they can imagine. It's awesome to be able to say "I built that hutch, I built that night stand, I built that \_\_\_\_\_" (fill in your project). This class is repeatable for credit. This means students can build a whole house full of furniture if they choose.

### **WOODWORKING TECHNOLOGY 4**

Credits: 0.5 each course

Grade Level: 10-12

*Students must register for both courses.*

Trimesters: 1 each course

Prerequisite: Technology 3

Course TE400 - Woodworking Technology 4A

Course TE401 - Woodworking Technology 4B

This is an advance course focusing on independent projects and extending the learning from Woodworking Technology 3

### **COMPUTER GRAPHICS 1**

Credits: 1.0

Grade Level: 9-12

*Students must register for both courses.*

Trimesters: 2

Prerequisite: None

Course IT100 - Computer Graphics 1A

Course IT101 - Computer Graphics 1B

In this hands-on and computer-oriented course, students will be introduced to a majority of the computer graphic design areas. Students will get an introduction to computer basics and networking, computer imaging, computer aided drafting, digital media creation, electronic communication, multimedia authoring, architecture, web page design, animation, and various graphics media. Students will use the following software: SolidWorks, Chief Architect, Adobe Photoshop, Illustrator, and Premiere, Dreamweaver and Flash, Roland Sign making, Tajma Embroidery, Camtasia Authoring, Emco CNC, Publisher, Video Conferencing, HP Scan Imaging software.

## **COMPUTER GRAPHICS 2 – MULTIMEDIA**

Credits: 1.0

Grade Level: 10-12

*Students must register for both courses.*

Trimesters: 2

Prerequisite: Computer Graphics 1

Course IT240 - Computer Graphics 2 - Multimedia A

Course IT241 - Computer Graphics 2 - Multimedia B

This course focuses on digital graphic design areas like digital image creation and editing, multimedia authoring, animation, embroidery, sign making, packaging, and other areas of computer graphics. With demonstrations and online computer instruction, students will further explore the graphics software programs from Computer Graphics 1. Instruction will emphasize Digital Design from packaging to 3-D graphics, digital media manipulation from digital still images to movie video, audio, and animation, as well as digital media authoring from multimedia to web design, and a small amount of photorealistic rendering with CAD.

## **COMPUTER GRAPHICS 2 – CAD**

Credits: 1.0

Grade Level: 10-12

*Students must register for both courses.*

Trimesters: 2

Prerequisite: Computer Graphics 1 or Engineering Design

Course IT250 - Computer Graphics 2 - CAD A

Course IT251 - Computer Graphics 2 - CAD B

This course focuses on Computer Aided Drafting (CAD) which offers those students interested in CAD, technical design, or engineering an opportunity to more fully explore both mechanical and architectural design in 2-D and 3-D CAD. Students will explore landscape and interior design, animation, image rendering, and other areas. With demonstrations and online computer instruction students extend their skills with several of the CAD programs, mainly SolidWorks and SoftPlan. Instruction will emphasize mechanical CAD from 3-D parts and assemblies, 2-D drawings and part analysis to product photo renderings and animations. Also, offering architectural CAD from plans and pictorials to interior and landscape design.

## **COMPUTER GRAPHICS 3 – CAD**

Credits: 0.5 each course

Grade Level: 11-12

*Students must register for the course based on the number of trimesters they wish to take. For example, if a student wants to take 2 trimesters of Computer Graphics 3 – CAD, they should register for course number IT351.*

Trimesters: 1 each course

Prerequisite: Computer Graphics 2 – CAD

Course IT350 - Computer Graphics 3 – CAD - 1 trimester

Course IT351 - Computer Graphics 3 – CAD - 2 trimesters

These advanced classes are for students interested in advanced mechanical or architectural design. Potential technicians, architects, graphics designers, animators, CAD designers, engineers, technicians or any technical career student will learn with the industry standard software. Students will choose an area of concentration, write learning objectives and pursue learning activities that best meet their career objectives. Students will create 3-D pictorial renderings, computer animations, visual presentations, various drawings and images, or learn to communicate with CNC machines as their interests dictate. Self-paced online instruction allows students to learn the concepts in their interest areas.

### **COMPUTER GRAPHICS 4 – CAD**

Credits: 0.5 each course

Grade Level: 11-12

Trimesters: 1 each course

Prerequisite: Computer Graphics 3 – CAD

*Students must register for the course based on the number of trimesters they wish to take. For example, if a student wants to take 2 trimesters of Computer Graphics 4 – CAD, they should register for course number IT451.*

Course IT450 - Computer Graphics 4 – CAD - 1 trimester

Course IT451 - Computer Graphics 4 – CAD - 2 trimesters

These advanced classes are for students interested in advanced mechanical or architectural design. Potential technicians, architects, graphics designers, animators, CAD designers, engineers, technicians or any technical career student will learn with the industry standard software. Students will choose an area of concentration, write learning objectives and pursue learning activities that best meet their career objectives. Students will create 3-D pictorial renderings, computer animations, visual presentations, various drawings and images, or learn to communicate with CNC machines as their interests dictate. Self-paced online instruction allows students to learn the concepts in their interest areas.

### **COMPUTER GRAPHICS 3 – MULTIMEDIA**

Credits: 0.5 each course

Grade Level: 11-12

Trimesters: 1 each course

Prerequisite: Computer Graphics 2 – CAD

*Students must register for the course based on the number of trimesters they wish to take. For example, if a student wants to take 2 trimesters of Computer Graphics 3 – Multimedia, they should register for course number IT341.*

Course IT340 - Computer Graphics 3 – Multimedia - 1 trimester

Course IT341 - Computer Graphics 3 – Multimedia - 2 trimesters

These advanced classes are for students interested in advanced work in the areas of graphic design, animation, video design, game design, website design, or any technical career. Students will choose an area of concentration, write learning objectives and pursue learning activities that best meet their objectives. Students will create pictorial renderings, computer animations, visual presentations, and images. They will take advantage of the self-paced online instruction and lessons to learn the concepts in their interest areas.

### **COMPUTER GRAPHICS 4 – MULTIMEDIA**

Credits: 0.5 each course

Grade Level: 11-12

Trimesters: 1 each course

Prerequisite: Computer Graphics 3 – Multimedia

*Students must register for the course based on the number of trimesters they wish to take. For example, if a student wants to take 2 trimesters of Computer Graphics 4 – Multimedia, they should register for course number IT441.*

Course IT440 - Computer Graphics 4 – Multimedia - 1 trimester

Course IT441 - Computer Graphics 4 – Multimedia - 2 trimesters

These advanced classes are for students interested in advanced work in the areas of graphic design, animation, video design, game design, website design, or any technical career. Students will choose an area of concentration, write learning objectives and pursue learning activities that best meet their objectives. Students will create pictorial renderings, computer animations, visual presentations, and images. They will take advantage of the self-paced online instruction and lessons to learn the concepts in their interest areas.



## WORLD LANGUAGES DEPARTMENT

### JAPANESE 1

Credits: 1.0

Grade Level: 9-12

*Students must register for both courses.*

Trimesters: 2

Prerequisite: none

Course JA100 - Japanese 1 A

Course JA101 - Japanese 1 B

Japanese 1 is an introduction to the Japanese language and culture. Emphasis is placed on basic language skill acquisition. Students will be able to use vocabulary related to greetings, classroom objects, numbers, months, weather, self-introduction and family in limited conversations. Students will learn the two phonetic alphabets, hiragana and katakana, and approximately 50 kanji characters.

### JAPANESE 2

Credits: 1.0

Grade Level: 9-12

*Students must register for both courses.*

Trimesters: 2

Prerequisite: Japanese 1

Course JA200 - Japanese 2 A

Course JA201 - Japanese 2 B

Japanese 2 builds upon the curriculum mastered in Japanese 1. Building upon their current knowledge with more advanced vocabulary and grammar concepts, students will be able to communicate about and describe family, daily activities, places around town, and the seasons and holidays of Japan. Students will build on their knowledge of the written language by learning approximately 100 additional kanji characters.

### JAPANESE 3

Credits: 1.0

Grade Level: 10-12

*Students must register for both courses.*

Trimesters: 2

Prerequisite: Japanese 2

Course JA300 - Japanese 3 A

Course JA301 - Japanese 3 B

Japanese 3 is a more rigorous study of the Japanese language. More complex grammar and sentence structures are explored. Students will apply their communication skills to finding their way around town, ordering and eating Japanese food, and describing fashion. Students will build on their knowledge of the written language by learning approximately 100 additional kanji characters. Students who successfully complete this course may be eligible to participate in a school trip to Japan.

### JAPANESE 4

Credits: 1.0

Grade Level: 10-12

*Students must register for both courses.*

Trimesters: 2

Prerequisite: Japanese 3

Course JA400 - Japanese 4 A  
Course JA401 - Japanese 4 B

Japanese 4 and 5 are usually offered as a combined class. More complex grammar and sentence structures are explored. Students will build on their knowledge of the written language by learning approximately 100 additional kanji characters. Students who successfully complete this course may be eligible to participate in a school trip to Japan.

### **JAPANESE 5**

Credits: 1.0

Grade Level: 11-12

*Students must register for both courses.*

Trimesters: 2

Prerequisite: Japanese 4

Course JA500 - Japanese 5 A  
Course JA501 - Japanese 5 B

Japanese 4 and 5 are usually offered as a combined class. Emphasis will be placed on application of acquired skills to relevant situations: reading of authentic materials, writing of authentic correspondence and oral communication on advanced topics. Students are expected to become familiar with up to 300 Kanji characters.

### **SPANISH 1**

Credits: 1.0

Grade Level: 9-12

*Students must register for both courses.*

Trimesters: 2

Prerequisite: none

Course SP100 - Spanish 1 A  
Course SP101 - Spanish 1 B

This course is an introduction to the Spanish language and culture. Basic grammar skills and pronunciation are practiced. In order to maximize communication skills, the vocabulary is based on everyday situations and topics such as greetings, dates, weather, food, classroom objects, likes and dislikes and food. Students will also learn some verb conjugations and simple sentences in the present tense. Students will develop skills in reading, writing, listening, speaking and culture.

### **SPANISH 2**

Credits: 1.0

Grade Level: 9-12

*Students must register for both courses.*

Trimesters: 2

Prerequisite: in Spanish 1

Course SP200 - Spanish 2 A  
Course SP201 - Spanish 2 B

Spanish 2 builds upon curriculum mastered in Spanish 1, applying vocabulary and grammar skills in more complex verbal and written contexts. Using more advanced vocabulary and grammar concepts, including the command and past tenses, students will speak, listen, read, and write about the home, family life, personal interests, restaurants, and shopping. Students will also gain a more in-depth understanding and appreciation for these concepts within the context of Spanish speaking cultures.

## **WORKPLACE SPANISH - MEDICAL**

Credits: 0.5  
Grade Level: 9-12

Trimesters: 1  
Prerequisite: Spanish 2

Course SP110 - Workplace Spanish - Medical

This course teaches the fundamentals of practical Spanish with an emphasis on medical situations and basic medical terminology. Particular attention will be given to developing speaking and listening skills as well as cultural awareness. Students will be expected to participate in classroom activities such as role-plays based on typical office and emergency procedures in order to develop meaningful and accurate communication skills in Spanish. Students will also review and acquire forms and structures useful both inside and outside the medical field. At least once during this course, a bilingual medical professional will speak with the class.

## **SPANISH 3**

Credits: 1.0  
Grade Level: 10-12  
*Students must register for both courses.*

Trimesters: 2  
Prerequisite: Spanish 2

Course SP300 - Spanish 3 A  
Course SP301 - Spanish 3 B

Spanish 3 accelerates the students' exposure to and mastery of new vocabulary and grammar concepts by further immersing them in spoken Spanish on a daily basis. More complex grammar will be introduced, including the irregular preterit tense, imperfect tense, irregular commands, and reflexive verbs. Students will expand their communication skills within the contexts of sporting, personal hygiene, driving, and childhood experiences with an emphasis on the cultures of Spain and South America.

## **SPANISH 4**

Credits: 1.0  
Grade Level: 10-12  
*Students must register for both courses.*

Trimesters: 2  
Prerequisite: Spanish 3

Course SP400 - Spanish 4 A  
Course SP401 - Spanish 4 B

Spanish 4 is for students who are interested in pursuing a curriculum in Spanish at the university level. Using the skills acquired in levels 1 through 3, students will communicate with their classmates and teacher on a daily basis using verbal and written discourse in Spanish. Students will learn grammar concepts necessary for entering into the second or third semester at the college level, including the subjunctive, present progressive, future, conditional and imperfect subjunctive tenses. Upon completion of Spanish 4, students will be able to communicate within the contexts of medicine, politics, fashion, and space exploration.

## **SPANISH 5**

Credits: 1.0  
Grade Level: 10-12  
*Students must register for both courses.*

Trimesters: 2  
Prerequisite: Spanish 4

Course SP500 - Spanish 5 A  
Course SP501 - Spanish 5 B

Spanish 5 consists of a grammar review with an emphasis placed on speaking and understanding Spanish. Achievement in reading and writing will be expanded through advanced

vocabulary acquisition and composition, literary study and cultural study about Spain and/or Latin America.

## MISCELLANEOUS COURSES

### ACADEMIC ENGLISH

Credits: 0.5 each course

Grade Level: 9-12

*Students will be placed in the course based on need.*

Trimesters: 1 each course

Prerequisite: None

Course MI140 - Academic English A

Course MI141 - Academic English B

Course MI142 - Academic English C

The emphasis of this course is on acquiring a multitude of high-frequency and academic vocabulary that can be used in day-to-day communicative interactions with English-speakers. This will improve the level of comprehension in most other classes for English language learners as well. In this course students will practice and refine grammar and writing skills and learn to read for comprehension and identifying main ideas. Through in-class conversations and gradually more advanced reading and writing activities, students will strengthen their communicative skills and increase their English language proficiency overall.

### CAREER PREP AND HEALTHY LIVING

Credits: 0.5

Grade Level: 11

*The graduation requirement of this course is on hold for the class of 2022*

Trimesters: 1

Prerequisite: None

Course MI180 – Career Prep and Healthy Living

This course will consist of two six-week sections, one focused on health-related choices, and one related to career preparation. In the health-related course, students will learn skills for building safe and healthy relationships including the development of conflict resolution skills. Students will explore the difference between substance use and abuse. There will also be a review of issues related to responsible reproductive health and personal safety issues. In the career-related portion, students will firm up their educational plans as related to their career preference. They will also create a professional portfolio, participate in a mock interview with business professionals, and participate in a job shadow in an area of their choosing.

### DUAL ENROLLMENT

Credits: 1.5

Grade Level: 9-12

*Students must register for all three courses.*

Trimesters: 3

Prerequisite: Placement Test

Course DE101 - Dual Enrollment A

Course DE102 - Dual Enrollment B

Course DE103 - Dual Enrollment C

Students may enroll in college courses according to the dual enrollment procedures listed on page 9 of this Course Description Guide. If students decide to take any class through dual enrollment, they must commit to register for an even number of classes, spread across the school year. For example, a student could take two dual enrollment classes; one first semester, and one second semester. They would have “Dual Enrollment” listed as a class in all three trimesters. **Dual Enrollment forms are due March 5, 2022, for any course(s) the student wishes to take in the 2022-2023 school year. Students must be enrolled in their college**

**course prior to June 4, 2022, to maintain their status in dual enrollment for the 2022-2023 school year. Any student not enrolled in their college course by this deadline may be dropped from Dual Enrollment and put into their alternates.**

### **INDEPENDENT RESEARCH**

Credits: 0.5 each course

Trimesters: 1 each course

Grade Level: 11-12

Prerequisite: Teacher and administrative approval

Course IR050 - Independent Research - 1 trimester

Course IR051 - Independent Research - 2 trimesters

Course IR052 - Independent Research - 3 trimesters

*Students must register for the course based on the number of trimesters they wish to take. For example, if a student wants to take 3 trimesters of Michigan Virtual High School, they should register for course number MV052.*

The student will spend a trimester independently studying and researching an appropriate area of personal interest that is not covered in depth in the curriculum. Students must work with a teacher to develop a 12-week syllabus that shows progression in learning. All syllabi for Independent Study requests must be approved by the Student Service Team. The student must have proven initiative and be self-directed. **Independent Research forms are due March 4, 2022, for any course(s) the student wishes to take in the 2022-2023 school year.**

### **INTRODUCTION TO INFORMATION LITERACY**

Credits: 0.5

Trimesters: 1

Grade Level: 11, 12

Prerequisite: Instructor approval

Course MI130 – Introduction to Information Literacy

Introduction to Information Literacy is a hybrid course providing an online virtual learning environment through Moodle™ as a content management system and onsite practical work experience in a library setting. Students electing this course will acquire knowledge about, and real world experience in, library operations so as to enhance their lifelong personal and professional use of libraries. The library assistant will furthermore engage in project-based learning activities designed to develop 21st century information literacy skills. This course is aligned with the American Association of School Librarians' *National School Library Standards for Learners, School Librarians, and School Libraries*. The course fulfills the online learning graduation requirement.

### **INTRODUCTION TO TEACHING CAREERS**

Credits: 0.5

Trimesters: 1

Grade Level: 10, 11, 12

Prerequisite: None

Course MI174 – Introduction to Teaching Careers

This course is intended for students interested in pursuing a career in education. Students will study the history of education reform in the United States, and explore how this historical context influences the social and economic realities found in school systems today. Students will gain foundational understandings of the science of teaching, including the basics of planning lessons, delivering instruction, and assessing learning.

## INTRODUCTION TO MEDICAL CAREERS

Credits: 0.5

Grade Level: 9, 10

Course MI173 – Introduction to Medical Careers

Trimesters: 1

Prerequisite: None

This course is for students interested in learning about over 300 different careers in medicine and health science. This class will examine the history of medicine and explore the five health career pathways. Introduction to Medical Science is the first class in a series of classes designed to prepare the high school student for a successful transition into a college or university health science program.

## MICHIGAN VIRTUAL HIGH SCHOOL

Credits: .5 per course

Grade Level: 9-12

*Students must register for the course based on the number of trimesters they wish to take. For example, if a student wants to take 3 trimesters of Michigan Virtual High School, they should register for course number MV052.*

Trimesters: 1 per course

Course MV050 - MiVHS - 1 trimester

Course MV051 - MiVHS - 2 trimesters

Course MV052 - MiVHS - 3 trimesters

Michigan Virtual High School provides online high school courses taught by Michigan certified teachers. These courses meet the standards for the Michigan Merit Curriculum. Students registering for MiVHS classes should be self-motivated learners who are proficient at time management and comfortable with computers and the Internet. Students must complete an application and sign a contract in order to be enrolled in MiVHS courses. Available courses can be found at [mivhs.org](http://mivhs.org). Please see your counselor for further information. **Applications and contracts are due March 4, 2022, for any course(s) the student wishes to take in the 2022-2023 school year.**

## MICHIGAN VIRTUAL HIGH SCHOOL - ADVANCED PLACEMENT

Credits: 1.5

Grade Level: 10-12

*Students must register for all three courses.*

Trimesters: 3

Course MV053 - AP MiVHS A

Course MV054 - AP MiVHS B

Course MV055 - AP MiVHS C

Michigan Virtual High School provides online high school courses taught by Michigan certified teachers. AP courses are challenging courses that prepare students for the College Board exams. AP MiVHS courses are year-long, offered as two semester-long courses, with the exception of AP Psychology and AP US Government, which are only one semester each. These courses meet the standards for the Michigan Merit Curriculum. Students registering for MiVHS classes should be self-motivated learners who are proficient at time management and comfortable with computers and the Internet. Students must complete an application and sign a contract in order to be enrolled in MiVHS courses. Available courses can be found at [mivhs.org](http://mivhs.org). Please see your counselor for further information. **Applications and contracts are due March 4, 2022, for any course(s) the student wishes to take in the 2022-2023 school year.**

## **SERVICE LEARNING**

Credits: 0.5 per course

Trimesters: 1 per course

Grade Level: 9-12

Prerequisite: None

*Students may register for either A (one trimester), or both A and B (two trimesters)*

Course MI170 - Service Learning A

Course MI171 - Service Learning B

This course is designed for individuals who appreciate serving others. Service learning takes volunteer work a step further, incorporating project-based study. In addition to just showing up to work at the food bank, for example, find out what the root causes of hunger are in the community and how food banks are organized to address the problem. Students will participate in at minimum two fully developed service learning projects and two off-campus trips per trimester. In addition, students will hear from various community members who use their passion for service in their careers.

Course A introduces students to the concept of service learning through teacher-guided units and a final student-organized project. Course B will allow students to apply their knowledge of the service-learning process. They will create and present their own service-learning projects in areas of personal interest under mentorship of the teacher. Course B is intended for self-directed learners willing to do the work needed to gain deep knowledge of their areas of interest and make a real difference in their communities.

## **STUDY SKILLS**

Credit: 1.5

Trimesters: 3

Grade Level: 9-12

Prerequisite: None

*Students will be enrolled based on need as determined by departments.*

Course MI200 - Study Skills A

Course MI201 - Study Skills B

Course MI202 - Study Skills C

This class is intended to help students build on strategies for studying for other classes, organizing their work, and being independent learners.

## **AVID – 9<sup>TH</sup> GRADE**

Credit: 1.5

Trimesters: 3

Grade Level: 9

Prerequisite: Administrator Consent Required

Course MI250 - AVID 9A

Course MI251 – AVID 9B

Course MI252 – AVID 9C

This course is the first step of a four-year college preparatory program. Students will learn AVID basics: WICR (writing, inquiry, collaboration & reading), time management, tutorials, Socratic seminars, academic goal-setting & motivation.

## **AVID – 10<sup>TH</sup> GRADE**

Credit: 1.5

Trimesters: 3

Grade Level: 10

Prerequisite: Administrator Consent Required

Course MI260 - AVID 10A

Course MI261 – AVID 10B

Course MI262 – AVID 10C

This course is the second step of a four-year college preparatory program. Students will build upon AVID basics, research colleges & careers, and work on self-awareness and personal development.

**AVID – 11<sup>TH</sup> GRADE**

Credit: 1.5  
Grade Level: 11

Not Offered for 2022-23  
Trimesters: 3

Prerequisite: Administrator Consent Required

Course MI270 – AVID 11A  
Course MI271 – AVID 11B  
Course MI272 – AVID 11C

This course is the third step of a four-year college preparatory program. Students will build upon and refine AVID basics, choose colleges, and begin gathering documents for the impending college and financial aid application process.

**AVID – 12<sup>TH</sup> GRADE**

Credit: 1.5  
Grade Level: 12

Not Offered for 2022-23  
Trimesters: 3

Prerequisite: Administrator Consent Required

Course MI280 – AVID 12A  
Course MI281 – AVID 12B  
Course MI282 – AVID 12C

This course is the fourth step of a four-year college preparatory program. Students will refine AVID basics, write college admissions essays, take college placement examinations, apply for financial aid, and apply to colleges.



## **BATTLE CREEK AREA MATHEMATICS AND SCIENCE CENTER**

Students interested, qualified, and accepted may attend the Battle Creek Area Mathematics and Science Center each year of attendance at Lakeview High School. Students attending the center do so for ½ of their school day each year. 9<sup>th</sup> and 10<sup>th</sup> grade students attend during the morning, while 11<sup>th</sup> and 12<sup>th</sup> grade students attend in the afternoon. For more information contact the Math and Science Center at 965-9440.

### **BATTLE CREEK AREA MATHEMATICS AND SCIENCE CENTER**

Credits: 4.5

Trimesters: 3, for ½ of school day

Grade Level: 9-12

Prerequisite: Acceptance by the BCAMSC

*Students who have been accepted by the Battle Creek Area Mathematics and Science Center should register for the MSC Math and MSC Science course for their appropriate grade level next year to hold the appropriate spot in their schedule. Once schedules at the MSC have been finalized, they will be imported into students' Lakeview High School schedule in Skyward.*

Course MSC001 - MSC Math 9

Course MSC002 - MSC Science 9

Course MSC003 - MSC Math 10

Course MSC004 - MSC Science 10

Course MSC005 - MSC Math 11

Course MSC006 - MSC Science 11

Course MSC007 - MSC Math 12

Course MSC008 - MSC Science 12

# CALHOUN AREA CAREER CENTER

## GENERAL NOTES

- Juniors and seniors may choose from over twenty programs at the Calhoun Area Technology Center. Students attend CACC for half their school day and may receive a total of 4.5 credits for each school year.
- All Career Center courses, when successfully completed at the 80% level, earn college credit at either or all of Kellogg Community College, Ferris State University, Western Michigan University, and Davenport University.
- Students who are interested in a CACC program should simply enter that into their Xello course planner as they would any other course
- When taken during the senior year, all CACC programs satisfy the senior year math-related course graduation requirement.

## 21ST CENTURY HEALTH CAREERS

Credits: 4.5 - KCC, Ferris, and Davenport Articulated Course      Trimesters: 3, for ½ of school day  
Grade Level: 11-12

Course CAT35 - 21<sup>st</sup> Century Health Careers Yr1  
Course CAT36 - 21<sup>st</sup> Century Health Careers Yr2

Prerequisite: B- or better in Biology  
AND qualifying placement test score

The 21st Century Health Careers Program is designed to introduce high school juniors and seniors to potential career paths in the healthcare industry. The program is a partnership between Battle Creek Health System, Kellogg Community College, and the Calhoun Area Career Center. Students will receive an introduction to a variety of health career skills including: clinical skills, medical ethics, human anatomy, communication, medical terminology, emergency procedures, and many more. During the two years in the program, students will take three Kellogg Community College classes, for a potential total of 11 credits. Following the introduction, students spend a portion of each month in a hospital or other medical setting. Students become part of an interesting and challenging team, learning new skills with professionals in the medical field.

## AUTOMOTIVE SERVICE TECHNOLOGY

Credits: 4.5 - Davenport Articulated Course      Trimesters: 3, for ½ of school day  
Grade Level: 11-12

Course CAT13 - Automotive Service Technology Yr1  
Course CAT14 - Automotive Service Technology Yr2

Prerequisite: None

The Auto Service Technology (AST) Program prepares students for entry-level positions in the automotive industry. The automotive areas of brakes, steering and suspension, and electricity/electronics are emphasized. Instruction is also provided in the engine repair and engine performance areas. In addition, extensive instruction is given on basic automotive skills such as hand tools, power tools, oxygen/acetylene torch operation, and shop safety. AST utilizes the National Automotive Education Foundation (NATEF) program standards.

## AVIATION EXPLORATION

Credits: 4.5 - KCC and WMU Credit, and Davenport Articulated Course      Trimesters: 3, for ½ of school day  
Grade Level: 11-12

Course CAT56 - Aviation Exploration Yr1  
Course CAT57 - Aviation Exploration Yr2

Prerequisite: Qualifying placement test score

Aviation Exploration is designed for students interested in any career in the aviation industry, and offers college credit for their work. The program exposes students to multiple aspects of the industry, whether they want to be an aircraft mechanic, a pilot, air traffic controller, or work in aviation administration. This broad survey course is their passport into the industry. Additionally, students will be taking the equivalent of three (3) Western Michigan University courses for a total of 7 transferrable credits: Course 1200 – Introduction to Aviation (2 credits); Course 1220 – Aircraft Systems (3 credits); and Course 1230 – Aircraft Systems Lab (2 credits). The program is designed to guide successful students into the joint enrollment program with Kellogg Community College and Western Michigan University College of Aviation for their specific technical studies.

### **INTRODUCTION TO ROBOTICS AND ENGINEERING**

Credits: 4.5 - KCC, Ferris, and Davenport Articulated Course      Trimesters: 3, for ½ of school day  
Grade Level: 11-12

Course CAT44 - ROBOTICS Yr1  
Course CAT45 - ROBOTICS Yr2

Prerequisite: None

This program combines robotics and engineering. Students will learn electrical, mechanical and fluid power principles. They will then apply those principles to hands-on projects in the lab. Students will receive safety training in the following areas: general safety, basic electrical safety, basic robot safety and basic lockout-tagout safety. Students will learn to sketch ideas, prepare a project proposal, and do project presentations. During this program, students will create their own portfolio, which will include; a resume, letter of introduction, certificates of completion, awards received, and various student accomplishments. Students will learn how to write robot programs, enter and simulate the program in the software and download and run the program on a robot. Students will also learn to use various types of sensors and end of arm tooling. CACC robots are the same robots used in industries such as food processing, welding, manufacturing, logistics and medical research. Students have the opportunity to earn the following industry-recognized certificates: OSHA-10 general safety, FANUC CERT (Certified Education Robot Training).

### **COLLISION REPAIR TECHNOLOGY**

Credits: 4.5 - Davenport Articulated Course  
Grade Level: 11-12

Trimesters: 3, for ½ of school day

Course CAT10 - Collision Repair Technology Yr1  
Course CAT11 - Collision Repair Technology Yr2

Prerequisite: None

Students learn basic hands-on skills including sheet metal repair, M.I.G. welding, plasma arc cutting, uni-body repair, sanding techniques, plastic repair, refinishing techniques, and other related tasks. Students will specialize in painting and refinishing using NATEF program standards. Emphasis is placed on the repair of damaged vehicle exteriors.

### **COMPUTER NETWORKING**

Credits: 4.5 - KCC and Davenport Articulated Course  
Grade Level: 11-12

Trimesters: 3, for ½ of school day

Course CAT31 - Computer Networking Yr1  
Course CAT32 - Computer Networking Yr2

Prerequisite: None

Computer Networking is a two-year program focused on network hardware and servers in alternating years. The hardware portion of the class teaches students how to repair computers, pull network cables, program Cisco routers and switches, and configure client computers. The server portion of the class teaches students how to manage Linux servers and program them using C++. Successful students will have the opportunity to take the following industry tests: Cisco Certified Network Associate, CompTIA Linux+, A+, and Network+.

## **CONSTRUCTION TECHNOLOGY**

Credits: 4.5 - Davenport Articulated Course  
Grade Level: 11-12

Trimesters: 3, for ½ of school day

Course CAT22 - Construction Technology Yr1  
Course CAT23 - Construction Technology Yr2

Prerequisite: None

Students develop practical and intellectual skills needed in construction trades. Through the building of a new house, students demonstrate skill mastery in most aspects of construction. Students learn the fundamental components of the following systems: drywall, painting, framing, roofing, and roof coverings. In addition, students will install floors, walls, partitions, siding, cabinetry, and trim in a practical, hands-on laboratory and school-supervised job site environment.

## **CULINARY ARTS/HOSPITALITY**

Credits: 4.5 – KCC, Ferris, and Davenport Articulated Course  
Grade Level: 11-12

Trimesters: 3, for ½ of school day

Course CAT50 - Culinary Arts/Hospitality Yr1  
Course CAT51 - Culinary Arts/Hospitality Yr2

Prerequisite: None

The Culinary Arts/Hospitality Program is designed to be a two-year program that incorporates the National Restaurant Association's "ProStart" curriculum. Students will explore potential career paths in the food service industry, with emphasis on technical skills, customer relations, restaurant organization, and the ServSafe sanitation program. Students will complete career exploration and study projects in the hospitality industry, which includes lodging and travel and tourism. Students who successfully complete the program will receive a nationally recognized certificate.

## **EARLY CHILDHOOD EDUCATION**

Credits: 4.5 - KCC and Davenport Articulated Course  
Grade Level: 11-12

Trimesters: 3, for ½ of school day

Course CAT25 - Early Childhood Education Yr 1  
Course CAT26 - Early Childhood Education Yr 2

Prerequisite: None

The Early Childhood Education Program provides students an opportunity to explore education as a career field. It prepares students to work with and educate children from birth through eight years of age. Students will gain skills and knowledge in development, discipline, health, safety, communication, planning, preparing, and presenting activities. The program also provides the students with practical work experience in our preschool and various programs in the community. Upon successful completion of the program, students can earn articulation credits (free college credits) at a local college and university in Michigan.

## **EDUCATION ACADEMY**

Credits: 4.5 - KCC and Davenport Articulated Course  
Grade Level: 11-12

Trimesters: 3, for ½ of school day

Course CAT04 - Education Academy Yr1  
Course CAT05 - Education Academy Yr2

Prerequisite: None

The Education Academy Program provides students an opportunity to explore education as a career field. In addition to coursework at CACC, students will cadet teach at various K-12 education sites within the Calhoun Intermediate School District. Local educators will act as mentor teachers. Students will examine the multiple responsibilities and roles of K-12 teachers, classroom management, learning styles, instruction, curriculum, and professional skills. This program will assist students with college and career planning. Upon successful completion of the program, students can earn articulation credits (free college credits) at local colleges and universities in Michigan.

## **AGRISCIENCE**

Credits: 4.5 - Davenport Articulated Course  
Grade Level: 11-12

Trimesters: 3, for ½ of school day

Course CAT28 - Food Science Yr1  
Course CAT29 - Food Science - Yr2

Prerequisite: None

Agriscience is designed for students to develop fundamental knowledge and explore opportunities within the Agriculture, Food and Natural Resources Pathway. The program curriculum includes: Animal Systems, Plant Systems, Food Science and Environmental Science. In addition to receiving training in the above areas, the following content will be taught: Leadership, Lab Safety and Protocol and Business Management & Entrepreneurship. Included in this program are hands-on activities, academics, leadership opportunities, work-based learning and career planning. Students will have the opportunity to participate in the FFA Organization on local, state and national levels. Furthermore, students will travel to various agricultural industries throughout the year. Upon completion students will have gained a basic awareness of agricultural sciences.

## **GRAPHIC COMMUNICATIONS TECHNOLOGY**

Credits: 4.5 - KCC and Davenport Articulated Course  
Grade Level: 11-12

Trimesters: 3, for ½ of school day

Course CAT68 - Graphic Communications Tech Y1  
Course CAT69 - Graphic Communications Tech Y2

Prerequisite: None

Students explore and develop skills in all aspects of the graphics industry, from design to completion of printed media in this two-year class. Students use professional graphic software programs to design media, such as brochures, posters, and other printed messages. Students also learn skills in the production printing stages of pre-printing, printing, and finishing. Successful students will be prepared to enter careers in most areas of the Graphics field as well as obtain advanced placement in related college programs.

## **HEALTH CAREERS PREP**

Credits: 4.5 - Ferris and Davenport Articulated Course  
Grade Level: 11-12

Trimesters: 3, for ½ of school day

Course CAT90 - Health Careers Prep Yr1  
Course CAT91 - Health Careers Prep Yr2

Prerequisite: None

Health Careers Prep is designed for those students who have an interest in health careers but are looking for something less traditional. The program offers a wide range of experiences which include exposure to college level course work with the opportunity to obtain college credit. A course in medical assisting will provide students with basic medical skills in patient care, records management, and medical communication. Students will explore careers such as athletic training, substance abuse counseling, dietary science, and forensic science. The area of study will vary from year to year based on student interest and the job market which is unique to this program.

## **HEALTH OCCUPATIONS**

Credits: 4.5 - Ferris and Davenport Articulated Course  
Grade Level: 11-12

Trimesters: 3, for ½ of school day

Course CAT53 - Health Careers Occupations Yr1  
Course CAT54 - Health Careers Occupations Yr2

Prerequisite: None

The Health Occupations Program offers courses to students who are interested in exploring careers in the health career field. This program integrates anatomy and physiology, body systems and their respective diseases and disorders, medical terminology and abbreviations, CPR and First Aid certification, and many more entry-level skills to work in a variety of health care settings. The classroom structure includes lectures, laboratory experiences (hands on), field trips to various health career venues, and an opportunity for job shadowing. Unique to this program is the opportunity for students to be exposed to medical assisting, dental assisting, veterinary assisting, nursing assisting, pharmacology, and physical therapy with an emphasis in sports medicine. All areas of study in this program conform to the Michigan Department of Education guidelines for health studies.

## **EMERGENCY MEDICAL TECHNICIAN (BASIC)**

Credits: 4.5 - KCC Dual Enrollment Course  
Grade Level: 11-12

Trimesters: 3, for ½ fo the school day

Course CAT 47 - EMERGENCY MEDICAL TECHNICIAN

Prerequisite: qualifying placement score

The EMT Basic Program, offered in collaboration with Kellogg Community College (KCC), is the entry point for individuals who are interested in working on the ambulance in the pre-hospital setting, those interested in a career where they need to be trained as a first responder, or students that may have an interest in becoming a paramedic. Students will learn immediate medical care techniques for the critically ill/injured person, including Airway Management, CPR, AED Auto Rescue/Extrication, Water Rescue and Emergency Childbirth. CPR Certification and EMT Certification are available for students who successfully complete the program and pass the state exams. In addition to classroom and lab time, students will be required to complete the following out of school hours: 40 clinical hours, basic water rescue and extrication training. This program has prerequisites.

## **LAW ENFORCEMENT/CRIMINAL BEHAVIORS**

Credits: 4.5 - KCC and Davenport Articulated Course

Trimesters: 3, for ½ of school day

Grade Level: 11-12

Course CAT87 - Law Enforcement

Prerequisite: None

Course CAT88 - Criminal Justice

Prerequisite: None

Law Enforcement students will explore and prepare for careers in criminal justice, corrections, and related fields. Major areas of study include: Police investigation, crime scene investigation (CSI), corrections, legal issues, security, human relations, police operations, and administration.

Criminal Justice students will be taken on a journey through the Criminal Justice process. Students will read and write crime reports and learn about a variety of disciplines that make up the criminal investigation response to crimes. Students will be exposed to law enforcement investigations, including specialty areas within police work, crime scene investigations, forensic science, expert witness, and the victim advocate. The role of courts, probation, and parole agents in their efforts to modify behavior and deter crime. This program is very interactive with a variety of teaching tools. Upon completion students will have a solid foundation on which to consider pursuing one of the many rewarding and satisfying careers in Criminal Justice.

## **POWER EQUIPMENT TECHNOLOGY**

Credits: 4.5 - Davenport Articulated Course  
Grade Level: 11-12

Trimesters: 3, for ½ of school day

Course CAT07 - Power Equipment Technology Yr1  
Course CAT08 - Power Equipment Technology Yr2

Prerequisite: None

This program introduces students to the fundamental skills required to enter the exciting field of repairing powered equipment, beginning with an introductory to basic fabrication skills, including welding, soldering, plasma cutting and precision measuring. Students learn to troubleshoot and repair all types of equipment from weed whackers to generators, to riding mowers and semi-trucks. This NATEF certified medium and heavy truck repair program covers five key areas of repair: electrical systems, engine repair, steering and wheel alignment, preventive maintenance and inspection, and brake systems (air and hydraulic).

## **WELDING TECHNOLOGY**

Credits: 4.5 - KCC, Ferris, and Davenport Articulated Course  
Grade Level: 11-12

Trimesters: 3, for ½ of school day

Course CAT81 - Welding Technology Yr1  
Course CAT82 - Welding Technology Yr2

Prerequisite: None

The Welding Technology Program prepares students for skills in stick-arc, Metal Inert Gas, Tungsten Inert Gas, and oxy-fuel welding. Students spend time in welding booths and transfer learned skills doing repairs and projects. Students will also be involved in regional and state competitions in metalworking and welding competitions in competing against other schools and career centers throughout the state. Also, students can earn articulation credits (free college credits) at local colleges and universities in Michigan for tasks completed here at CACC.



							<b>Alt.</b>
<b>Tri 1</b>							
<b>Tri 2</b>							
<b>Tri 3</b>							

*Example 9th Grade Selections*

							<b>Alt.</b>
<b>Tri 1</b>	<i>English 9A</i>	<i>Algebra 1A</i>	<i>World History - West</i>	<i>Biology A</i>	<i>Intro to Business A</i>	<i>Spanish 1A</i>	<i>Choices</i>
<b>Tri 2</b>	<i>English 9B</i>	<i>Algebra 1B</i>	<i>World History - East</i>	<i>Chemistry A</i>	<i>Intro to Business B</i>	<i>Spanish 1B</i>	<i>Wood Tech A</i>
<b>Tri 3</b>	<i>English 9C</i>	<i>Algebra 1C</i>	<i>Health</i>	<i>Personal Fitness</i>	<i>Theater Arts</i>	<i>Intro to Medical Careers</i>	<i>Wood Tech B</i>