



# **GULL LAKE HIGH SCHOOL**

## **COURSE CURRICULUM GUIDE 2024-2025**

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# Gull Lake High School

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Students and Parents,

The selection of an academic program is an extremely important process in a student's school career. We have found that careful planning by students and parents, linked with knowledgeable guidance from counselors and teachers, have a positive effect upon academic success.

This course curriculum guide is designed to serve as a guide to planning individual programs of study at Gull Lake High School. All students will create an Educational Development Plan (EDP) based on his or her career cluster. Educational Development Plans will be reviewed and updated annually.

We strongly encourage the continued involvement of parents in the process of academic planning for each school year. The best choices are made by students and parents who have read this information carefully. Each academic plan should take into consideration the graduation requirements and a student's interests, abilities, and aspirations.

Best wishes for a successful school year!!

GLHS Administrators, Counselors, and Teachers

Mr. Don Eastman, Principal

Ms. Kristie Poulson, Assistant Principal

Mrs. Diana Kwiatkowski, Counselor, Last Name Beginning With A-G All Grades

Mrs. Katie Soule, Counselor, Last Name Beginning With H-O All Grades

Mrs. Jennifer Champion, Counselor, Last Name Beginning With P-Z All Grades

Mrs. Tammy Geik, Special Education Teacher Consultant

Mrs. Theresa DeYoung, Social Worker

The mission of  
Gull Lake Community Schools  
is to educate every child  
to achieve his/her full potential.



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# Academic & Career Planning

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## Senior Checklist:

- Check to make sure you have all the credits necessary for graduation and you are enrolled in the correct courses for graduation.
- Continue to improve your academic grades and overall grade point average.
- Enroll in classes that are academically challenging and will prepare you for your career path.
- Discuss postsecondary plans with your parents, counselors, and teachers.
- Obtain and complete applications for two-year schools, four-year schools, and technical institutes.
- Complete the Student Information Sheet to request letters of recommendation.
- Request your transcript(s) for scholarship and college applications using Parchment.com.
- Retake the ACT/SAT, if necessary, or take a college placement test to improve your college admissions test scores. Request your official scores be sent to colleges/universities.
- Check all available sources for scholarships. These would include the Gull Lake and Kalamazoo Foundation websites, website searches, individual college websites, and the GLHS Guidance web page.
- Complete financial aid forms. FAFSA is open for students and parents to fill out on January 1<sup>st</sup> if applicable. CSS Profile should be completed by April 1<sup>st</sup>.
- Attend a financial aid information night and a FAFSA completion workshop.
- Take the ASVAB assessment, if interested in military options.
- Register for A.P. Exams and request that your AP scores be sent to your intended college.

## Junior Checklist:

- Continue to discuss your career goals, your EDP, and course selections with your counselor, parents, and teachers.
- Review your transcript, credits needed for graduation and GPA. Continue to improve your academic performance.
- Continue to explore your career and post-secondary opportunities.
- Meet with visiting representatives at GLHS from colleges, military, and technical training institutes.
- Attend area college fairs and financial aid informational events.
- Plan for spring and summer college campus visits.
- Do your best on the PSAT/NMSQT in the fall of your junior year.
- Stay involved in extracurricular and volunteer activities. These experiences are viewed favorably by employers and colleges.
- Start a file or folder pertaining to post-secondary options that you would like to explore.
- Enroll in the Test Prep Course at GLHS to prepare for the SAT during the spring of your junior year. A college admission test score is required by nearly all colleges and universities for admission and placement into college level courses.
- Begin exploring financial aid and scholarship opportunities. Complete an online scholarship search.
- Explore CTE, EFA, Dual Enrollment, GL Virtual, and Co-Op options.
- Register for AP Exams.
- Utilize Xello (formerly Career Cruising) to document academic achievements, volunteerism, extra-curricular and work experiences.
- Take the ASVAB assessment, if interested in military options.



# Academic & Career Planning

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## Sophomore Checklist:

- Continue to attend to your studies so you have the highest GPA possible and continue to monitor your grades through StudentVue.
- Remember the importance of being a well-rounded individual. Work toward leadership positions in the activities that you like best, become involved in community service and/or other volunteer activities, and investigate summer educational programs, volunteer activities, or enrichment opportunities.
- Review and update your EDP and course selections to reflect your career path. Continue to develop and update your Xello (formerly Career Cruising) assessments and plans.
- Select challenging courses that will prepare you for future career options. If interested, explore CTE, EFA, and Advanced Placement course offerings. Explore elective and enrichment classes as well.
- If you are interested in dual enrollment or Co-op during the junior year you should meet with your counselor.  
If you are interested in participating in Early College, you must attend an informational meeting and submit the Early College application prior to the first day of your junior year.
- Begin thinking about post-secondary education and training opportunities (community college, university, military, technical, on-the-job) needed for your career of interest through on-site visits, websites, college nights and career fairs.
- Take the ASVAB assessment, if interested in military options.

## Freshman Checklist:

- Explore the various career pathways and design your high school Educational Development Plan. Explore future options for CTE, EFA, Early College, and dual enrollment.
- Participate in career exploration activities. Discuss possible careers and postsecondary education and training with your teachers, counselors, and parents.
- Make sure you are enrolled in courses that prepare you for meeting your future plans.
- Participate in extracurricular activities (school and non-school sponsored) including volunteer and community service programs.
- You will begin developing your high school transcript. Your transcript is an official record of the classes that you enroll in, the grades that you receive, and your grade point average. Colleges and universities, as well as future employers, will be interested in this information.
- Attend to your studies so you have the highest GPA possible and continue to monitor your grades through StudentVue. Seek additional help with staff and after-school supports, if needed.

*Learning is the only thing the mind never exhausts, never fears, and never regrets. ~ Leonardo DaVinci*



# GLHS Graduation Requirements

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## 28 total credits required to graduate

By Department:

Business	1 credit	
English Language Arts	4 credits	Grade level aligned courses
Mathematics	4 credits	Algebra Plane Geometry Data Analysis & Algebra 2 Senior Year Math/Math Related Course
Physical Education	.5 credit	Introduction to Fitness or Strength and Conditioning
Health	.5 credit	
Visual, Performing, & Applied Arts	1 credit	(See course listing on p.12)
Science	3 credits	Biology Physics A, Chemistry A, Earth and Space Science A & a B of either Physics, Chemistry or Earth and Space Science
Social Studies	3.5 credits	Civics US History and Geography World History and Geography Economics
World Language	2 credits	Must be 2 levels of the same language

*The capacity to learn is a gift; the ability to learn is a skill;  
the willingness to learn is a choice. ~ Brian Herbert*

# EDUCATIONAL DEVELOPMENT PLAN

Name: \_\_\_\_\_

1st Generation College Student    YES    NO

Career Cluster: \_\_\_\_\_

Postsecondary Educational Goal(s):  Work    Military Service    Tech/Voc School    2 Year Comm College    4 Year College

8th Grade			9th Grade			10th Grade			11th Grade			12th Grade		
	TITLE	Credit Value		TITLE	Credit Value		TITLE	Credit Value		TITLE	Credit Value		TITLE	Credit Value
				Seminar 9	.25		Seminar 10	.25		Seminar 11	.25		Seminar 12	.25
	English			English 9 / 10	.5 / .5		English 10 / 11	.5 / .5		English 11 / 12 / A.P.	.5 / .5		English 12 / A.P.	.5 / .5
	Math:			Algebra	.5 / .5		Geometry	.5 / .5		Data Analysis/Adv Algebra	.5 / .5		Math:	.5 / .5
	World Language:			Biology	.5 / .5		Science:	.5 / .5		Science:	.5 / .5		Economics	.5
	Intro Comp Science			Civics	.5 / .5		U.S. History or A.P.	.5 / .5		World History or A.P.	.5 / .5			
				Health	.5									
				Intro to Fitness / Strength and Conditioning	.5									
				*NOTES:										
				Business elective (1 credit) can be completed in grades 9-12										
				World Language (2 credits of the same language)										
				Visual, Performing, & Applied Arts (1 Credit) can be completed in grades 9-12										
				<b>Total Credits</b>	<b>7.75</b>		<b>Total Credits</b>	<b>7.75</b>		<b>Total Credits</b>	<b>7.75</b>		<b>Total Credits</b>	<b>7.75</b>

Extra-Curricular Activities, Community Service, and Work Experience:  
 \_\_\_\_\_

# Additional Information Regarding Courses and Credits

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1. A student can earn credit through Gull Lake courses including affiliated programs through CTE, EFA, ATYP, KAMSC, GL Virtual, GL Early College, and/or dual enrollment. Students may take additional courses outside of the school day but must pay for those classes (see note #3). The maximum number of credits the student can earn outside of Gull Lake High School to apply towards high school graduation is two per year. Students registering for courses outside of Gull Lake (excluding CTE, EFA, ATYP, KAMSC) must have prior administrative/counselor approval in writing.

2. Gull Lake High School students MUST maintain a full schedule every year THROUGH THE END OF THEIR SENIOR YEAR. EFA evening enrichment classes are in addition to a student's full schedule.

3. A student who needs to earn additional credits in order to graduate on time (credit retrieval) must seek that credit through an accredited program. Enrollment in a program must be approved by high school administration and counseling staff PRIOR to the student enrolling in any course(s). A student can earn a MAXIMUM of TWO CREDITS per academic year for the purpose of credit retrieval. The student is responsible for any and all costs of these courses. All credit retrieval course work will be for credit only. A student who returns to Gull Lake for a fifth year to complete his/her credit requirements AFTER his/her class has graduated has the option of taking a reduced schedule.

4. Students who take non-AP ATYP courses will be granted ONE credit per course. ATYP math courses and English Language Arts courses are in line with GLHS and the Michigan Merit Curriculum and are not weighted courses. ATYP courses equivalent to College Board Advanced Placement courses will be granted 1.5 credits and will be weighted.

5. A high school course taken in middle school will be listed on a student's high school transcript if the student has met the Michigan Merit Curriculum expectations. Credit received will be counted toward graduation and can fulfill departmental requirements. No honor points will be given, and a grade will not be calculated into the high school G.P.A. and class rank.

6. The Board of Education has established weighting of AP, designated KAMSC courses, and approved Dual Enrollment classes by adding .35 honor points per one-half (.5) credit to the final grade with the prior approval of the Superintendent or designee. AP courses completed at a previous high school will be weighted .35 honor points per .5 credit. Honors courses will not be weighted.

7. Along with the course description, a homework rating is listed. They are defined by:

**Low:** More in class work time than homework

**Medium:** Expect homework; this course will require extra study time at home

**High:** Expect homework; this course will require extra study time at home daily

Standard codes are defined as:

**MMC known as Michigan Merit Curriculum:** All GLHS courses designated as MMC have met content expectations required for graduation as enacted by the State of Michigan.

**Common Core:** All GLHS courses designated as Common Core meet the content expectations consistent with education standards across the United States.

**College Board:** All GLHS courses designated as AP (Advanced Placement) are College Board approved. This means colleges may grant placement and course credit to students who obtain certain scores on the AP examinations.

**NCAA:** All GLHS courses designated as NCAA have been reviewed and approved by the National Collegiate Athletic Association (NCAA) Eligibility Center.

## Testing Out

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P.A. Act 335, Section 1279 B of the State Code indicates that any high school student may request to test out of any course offered. Students must exhibit mastery of the course content by attaining a grade of no less than a C+ (78%) on a comprehensive exam and/or be required to demonstrate mastery through the basic assessment used in the course. This may consist of a portfolio, a performance, a paper, a project or presentation.

Testing out will be counted toward fulfillment of a prerequisite and/or for placement in a subject area and sequence. A "TO" for testing out will be designated on the transcript, but NO CREDIT will be granted for testing out. They will not be counted toward the required number of credits needed for graduation and will not be used to determine a student's GPA. Students may not receive credit thereafter for taking a lower course sequence for that subject area.

All applicants who request to test out of a course(s) for the upcoming school year, must make a request to the Guidance Office by JUNE 1st of the current school year. Testing out dates will be conducted during orientation week before school starts.

Students will be contacted about material pick up and testing dates. Letters and emails will be sent to parents and students in the summer providing testing out information. If you have questions, contact your counselor.

# Michigan Merit Exam

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All students are required to participate in the Michigan Merit Exam (MME) in the spring of their junior year. These scores will be included on the student's transcript as part of their permanent record. The Michigan Merit Examination (MME) assesses students in grade 11 and eligible students in grade 12 based on Michigan high school standards. It is administered each spring, and consists of three components:

- College Board SAT
- WorkKeys® job skills assessments in reading, mathematics, and "locating information"
- Michigan developed Science and Social Studies MSTEP

For additional information go to [www.michigan.gov/mde](http://www.michigan.gov/mde).

Students in grades 9 and 10 take the PSAT 8/9 (grade 9 only) and PSAT 10 as part of high school state assessments.

GLHS offers a .5 credit Test Prep course for juniors during the 2nd trimester. For additional information, see the course description on page 12.

## Preparation for College Admissions

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Applicants to colleges must qualify for admission through a combination of the following: scholastic record, academic rank in class, extracurricular activities, essay and ACT/SAT. Students should check on-line for specific information concerning admission requirements. College planning should begin as early as possible in a student's high school career so that students and parents will be aware of all necessary requirements for acceptance. College's place great emphasis upon initiative, academic rigor, and may consider such factors as character, personality, civic responsibility, and specialized talents and skills.

Since admission to many colleges is becoming increasingly competitive, students must expect to do intensive work throughout their high school career, or they may experience difficulty in gaining admission to the college of their choice. Colleges require a copy of the student's academic record (transcript) from grades nine through twelve.

The State universities of Michigan have agreed that to be eligible for regular admission to a four-year degree program, a high school student should successfully complete the following courses in high school:

English- four credits required.

Mathematics- four credits required.

Biological/Physical Sciences- three credits required: one credit of biological science and one credit of Physics/Chemistry.

History and Social Sciences- three credits required; one credit of US History and one credit of World History strongly recommended.

Prospective students are also encouraged to complete courses in the following areas:

World Language- two credits are strongly recommended and may be REQUIRED by many colleges and universities.

Fine and Performing Arts- two credits strongly recommended; students may be asked to present a portfolio or audition.

Computer Literacy- one credit of hands-on experience in using computers strongly recommended.

## NCAA Guidelines

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Students who are considering participation in athletics at the collegiate level need to be aware of National Collegiate Athletic Association (NCAA) requirements and guidelines. *POTENTIAL ATHLETES ARE ADVISED TO CHECK WITH THE ATHLETIC DIRECTOR FOR DETAILED INFORMATION ON THESE RULES DURING JUNIOR YEAR.* The NCAA has set specific minimum standards, in regard to curriculum and academic performance for athletes to participate in collegiate athletics their freshman year. The updated list of approved courses offered at GLHS can be viewed on the NCAA Eligibility website.

The student must register with the NCAA's Eligibility Center during their junior year in high school. Students must also have their amateur status certified by the NCAA Eligibility Center before representing a collegiate institution in competition. Registration needs to be completed online at [www.ncaaeligibilitycenter.org](http://www.ncaaeligibilitycenter.org)

# College Board/AP/SAT/ACT/CLEP

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The Advanced Placement (AP) Program is a cooperative educational endeavor of secondary schools, colleges, and the College Board. AP courses are intended to be the equivalent of college-level freshman courses and to prepare students for the AP exams which are offered in May. A grade earned in an AP course will be weighted .35 honor points per .5 credit. High School students taking AP exams may earn college credit for satisfactory performance on AP exams depending on which college or university the student will attend. For more information on college credit visit <https://apstudents.collegeboard.org/getting-credit-placement/search-policies>. Gull Lake High School offers AP courses in English, Mathematics, Science, and Social Studies. AP courses completed at a previous high school will be weighted .35 honor points per .5 credit. Honors courses will not be weighted.

All juniors will take the SAT as part of the Michigan Merit Exam in the spring. In addition, highly selective colleges/universities may require students to take the SAT subject tests. Contact the college admission office of interest for specific requirements. A student may choose to take the ACT as an additional college admissions test. For more information, see your counselor or go to [www.actstudent.org](http://www.actstudent.org) or [www.collegeboard.org](http://www.collegeboard.org).

Gull Lake Community Schools is an approved CLEP (College-Level Examination Program) Testing Center. This is an optional test that students can register for to earn college credit. Visit [www.clep.collegeboard.org](http://www.clep.collegeboard.org) to learn more about the CLEP.

## Gull Lake Virtual Partnership Learning

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A student may elect to take an online virtual course as part of their high school curriculum. These courses may be selected from our local course catalog (Gull Lake Virtual Partnership) or through the options available in the state-wide online course catalog.

Gull Lake Virtual Partnership (GLVP) is a school program available to all Gull Lake Community Schools students in grades K-12. GLVP strives to offer innovative, meaningful and personalized learning opportunities for students to grow and thrive as they continue to discover their own unique talents. GLVP courses offer students the chance to strengthen their skills and abilities as they move along their educational pathways.

1. The student must receive approval from the counselor no later than one trimester before desired enrollment period.
2. Traditional students seeking a GLHS diploma are limited to two (2) online courses per trimester.
3. Virtual courses will be included on the student's transcript noting credit and grade received and will be calculated in the GPA.
4. Students will be assigned to a virtual lab with a mentor teacher. The mentor teacher offers support on a daily basis and feedback regarding course progress.
5. Students are required to meet the expectations of weekly check-ins and count day requirements.
6. Students will be expected to work in the lab during the scheduled class period. A student's request to work off campus may be granted based on successful progress within the course. The ability to work off campus may be revoked by the school if student is not passing.
7. Students will have a highly qualified content appropriate teacher for the virtual course. The teacher provides content support, course feedback, and grades for the student.
8. To view the list of approved NCAA online courses, visit the NCAA Eligibility Center and enter your virtual school code. If you have questions, please see the athletic director or your counselor. GLVP courses are noted accordingly in the course catalog if they are NCAA approved.

# Dual Enrollment

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A student may further their education as part of their high school curriculum at a post-secondary institution with assistance in tuition. To dual enroll for the upcoming school year, it is critical that students submit paperwork to the Guidance Office no later than the last day of school. To qualify, a student must fulfill all of the following requirements:

1. The student must complete an application to the college and submit qualifying test scores to participate.
2. The student must be enrolled in both the school district and post-secondary institution during the local school district's regular academic year.
3. It is recommended that a student enroll in a minimum of TWO college academic courses over the school year. (One fall and one winter semester)
4. The student must attend an informational meeting, meet with a college academic advisor, meet with their high school counselor, attend an on-campus orientation and complete the necessary paperwork BEFORE registering for their college courses.
5. Freshmen level college courses will not be considered for weighting. Upper-level college courses will be considered for weighting on an individual review basis, upon request. (Grade weighting is NOT automatic.)
6. College coursework will be added to the transcript unless otherwise indicated. NOTE: The student should be aware that some universities will not grant college credit for dual enrollment courses. If you have questions about this, contact your college of interest.
7. College course work taken in the summer is not considered dual enrollment. Summer course work may be added to a student's transcript for credit only. Tuition and fees are the responsibility of the student for summer classes.
8. The student must pay any tuition, fees, or other costs that are ABOVE the amount allotted under the PSEO Act. This amount typically covers a 3-credit community college course; it will not cover the full cost of a four-year university 3 credit course





# Early College Program Overview

## Overview

Gull Lake Community Schools Early College (GLEC) is a fifth year high school program, combining the best of the high school and an early college experience. Gull Lake Early College will offer both online and face-to-face educational instruction to enable students to earn their high school diploma and college credits up to an Associate's Degree. Students benefit from a supportive educational environment in which they will receive support services to assist them in their transition from high school to college. Students will have the opportunity to enroll in courses designed to develop and enhance their academic preparation skills, study skills and social maturity skills, thus providing them with the tools they need to make a successful transition to post-secondary education.

## Goals of Gull Lake Early College

- Increase the amount of Gull Lake Community Schools students enrolling in college.
- Increase the number of GLCS students completing college.
- Increase postsecondary success for GLCS students through college knowledge and supports.
- Assist with the financial burden of college costs to families.
- Expand high school opportunities based on students' individual needs and interests.

## Program Design

Students in the Gull Lake Early College Program make a gradual transition from traditional high school to full-time college students over the course of three years. They begin the transition by blending high school courses and college courses in 11th grade and continue to increase the blend until they are full-time college students in grade 13. The end result is for students to graduate at the end of their fifth year of high school with a high school diploma and an associate's degree, an occupational certificate, 60+ transferable college credits, or a MEMCA Certificate.

## Highlights

- Gull Lake Early College partners with Kalamazoo Valley Community College, Kellogg Community College, and Western Michigan University.
- The cost of tuition, course materials, and fees is paid for (up to an allocated amount) by Gull Lake Community Schools.
- Gull Lake Early College students have the opportunity to gain two years worth of college credits just one year after their original high school graduation date, allowing them to enter the workforce or move on to a bachelor's degree in a shorter amount of time.

## Enrollment Process

1. Students who are considering the Early College Program should be willing, motivated, and up for the challenge to perform successfully in coursework at both the high school and college level.
2. Applications are accepted during the 10th grade year from February 1– August 1st.
3. Students MUST be accepted into the Early College Program before beginning their junior year.

**Questions Contact your student's school counselor or mentor for more information.**







# Applied Technology

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NOTE: STUDENTS MUST BE AWARE THAT IN SELECTING THESE COURSES, ONLY INEXPENSIVE MATERIALS WILL BE FURNISHED. STUDENTS MAY PURCHASE WOOD FROM THE SCHOOL TO BUILD THEIR PROJECTS OR THEY MAY PURCHASE THEIR MATERIALS SOMEWHERE ELSE AND BRING THEM IN. MATERIALS PURCHASED FROM THE SCHOOL MUST BE PAID FOR AT THE COMPLETION OF EACH PROJECT.

## Woodworking Technology I

Course Number: 5010  
Grades: 9-12  
Prerequisite: None

Credit: .5  
Homework Rating: Low

This course is designed for students to develop fundamental operational skills, learn skills of machine woodworking tools, and gain necessary technical information for related woodworking operations. Emphasis will be placed on basic furniture construction with cabinetmaking being introduced on a simplified scale. The use and skills of hand tools are also included to supplement power tool operations. Students will choose two class projects from a teacher selected list.

## Advanced Woodworking Technology

Course Number: 5030  
Grades: 10-12  
Prerequisite: Woodworking Technology I and teacher recommendation

Credit: .5  
Homework Rating: Low

This course is designed for students to further develop fundamental operational skills, learn skills of machine woodworking tools, and gain necessary technical information for related woodworking operations. Emphasis will be placed on basic furniture construction. Students will be able to pick a project of their choosing which will further their woodworking abilities. THIS COURSE MAY BE REPEATED WITH TEACHER RECOMMENDATION.

## Technical Drawing I

Course Number: 5040  
Grades: 9-12  
Prerequisite: None

Credit: .5  
Homework Rating: Low

This course is a must for students who are anticipating a career in engineering, technical illustrations, design, drafting, CAD, the trades or any of many technical fields. It is also beneficial for any student learning to visualize, plan and layout materials and drawings. Accuracy will be stressed. Students will learn to draw orthographic views, sectional views, pictorials, detail and assemble drawings. Class activity is centered around board drawing with CAD being introduced on a simplified scale.

## Technical Drawing II (CAD)

Course Number: 505A & 505B  
Grades: 10-12  
Prerequisite: Technical Drawing I

Credit: 1  
Homework Rating: Medium

This course is a must for students who are anticipating a career in engineering, technical illustrations, design, drafting, CAD, the trades or any of many technical fields. It is also beneficial for any student learning to visualize, plan and layout materials and drawings. Students will learn to draw orthographic views, sectional views, pictorials, detail and assemble drawings. Class activity is centered around CAD drawing.

# Business and Technology

NOTE: STUDENTS WHO COMPLETE ACCOUNTING, ENTREPRENEURS AND BUSINESS LEADERS. MARKETING, WEB DESIGN, AND COMPUTER SCIENCE & SOFTWARE ENGINEERING WITH A "B" OR BETTER MAY BE ELIGIBLE FOR ARTICULATED (COLLEGE) CREDIT AT SELECT POST SECONDARY INSTITUTIONS. CHECK WITH YOUR BUSINESS TEACHER FOR MORE INFORMATION.

GLHS Business & Technology			
Class	CTE	GL Graduation Credit	College Articulated Credit
Introduction to Business		BUS	
Introduction to Computer Science		BUS	
College and Career Readiness		BUS	
Computer Science & Software Engineering	CTE	BUS, VPAA	KVCC, Baker College, Davenport University, Ferris State University
Advanced Computer Science	CTE	BUS	
Computer Science Independent Cert.		BUS, VPAA	
Research & Development	CTE	BUS, VPAA	
Cyber Security	CTE	BUS, VPAA	
Advanced Cyber Security Essentials	CTE	BUS, VPAA	
Digital Media, Art & Web Design	CTE	BUS, VPAA	KVCC, Baker College, Davenport University
Accounting	CTE	BUS, MATH	KVCC, Baker, Davenport University, Ferris State University
Marketing	CTE	BUS, MATH, VPAA	KVCC, Baker College, Davenport University
Entrepreneurs and Business Leaders (formerly BMA)	CTE	BUS, VPAA, MATH	KVCC, Baker College, Davenport University, Ferris State University
Personal Finance (LTP & EDL)		BUS, MATH	
****Students may partially or fully substitute 1 World Language credit with an MDE-approved CTE program or by completing an additional 1.0 credit of a Visual or Performing Arts course****			
CTE = Career & Technical Education BUS = Business VPAA = Visual Performing & Applied Arts MATH = Math Related			

Digital Media, Art & Web Design (CTE)

Course Number: 103A & 103B  
Grades: 10-12  
Prerequisite: None

Credit: 1  
Homework Rating: Low

This course will allow students to work on industry's standards to build functional websites for multiple platforms using Adobe CS6 Software. Students will focus on designing for businesses or clients that want a professional website. Students will be introduced to graphic design, image editing, creating animations, and artistic design for the internet. Website development, HTML 5 programming, publishing and maintaining websites with networks is also a part of the learning experience.

Accounting (CTE)

Course Number: 105A & 105B  
Grades: 10-12  
Prerequisite: Introduction to Business recommended

Credit: 1  
Homework Rating: Medium

This course is recommended for students who would like to major in business as their post-secondary choice, want to own their own business, or an overall view of math concepts for businesses or personal transactions. Students will learn the accounting cycle, maintain financial records for single ownership, partnerships, and corporations. Instruction will include journalizing and positing basic accounting transactions, buying and selling goods or services, and payroll functions. In addition to the accounting concepts, students will learn Microsoft Excel software with the opportunity to become Microsoft Office Specialist certified. (MOS) This course is instructed with Cengage Mine Tap which are online working papers, textbooks, and guided activities; therefore, this course is offered as a virtual or seated class. THIS COURSE HAS AN ADVANCED LEVEL THAT CAN BE TAKEN AS AN INDEPENDENT STUDY WITH TEACHER RECOMMENDATION.

Introduction to Business

Course Number: 1070  
Grades: 9-10  
Prerequisite: None

Credit: .5  
Homework Rating: Low

This course provides a full range of subject matter designed to give an overview of businesses and how the government and consumers can affect business activities. Students will learn the importance of the economic activity, social responsibilities, and global decisions that a business encounters. The course also includes topics and activities within business structures, entrepreneurship, marketing, management, financial records, and business productivity.

Career and College Readiness

Course Number: 1103  
Grades: 10-11  
Prerequisite: None

Credit: .5  
Homework Rating: Low

This course is designed to develop and improve the students' learning styles and test taking strategies. In addition, students will perform career exploration through Xello (formerly Career Cruising), aptitude testing, and virtual job searching with guest speakers from all career pathways. College searching and financial aid assistance as well as other post-secondary options will be explored, and students will develop their career readiness and employability skills with resume creation and interview experience. This course is highly recommended for the Early College Student.

Entrepreneurs and Business Leaders (CTE)

Course Number: 109A & 109B  
Grades: 10-12  
Prerequisite: Introduction to Business recommended

Credit: 1  
Homework Rating: Medium

Students will have exposure to aspects in the operations and applications within a business. There is a more in depth look at how business activities are developed on a daily basis, employability skills, workplace ethics, and human relations in the business environment. Additional topics include Career Readiness, Professional Communications, Information Technology, Business Planning, Law, Ethics and Regulations, Operations and Human Resource Management, Financial Management and Leadership. This course allows students to be involved in many aspects of businesses and experiencing them through field trips, job shadows, and DECA. Opportunities to earn professionally recognized credentials, such as, Microsoft Office Specialist Certifications (MOS) and Professional Communication Skills for Business

Marketing (CTE)

Course Number: 111A & 111B

Grades: 10-12

Prerequisite: Introduction to Business recommended

Credit: 1

Homework Rating: Medium

This course is designed to provide students with an understanding of the principles of Marketing. There will be a focus on the management of the marketing activities and how marketing relates to overall organizational functioning, including the management of exchange processes between business units and consumers. It will include topics such as product development, pricing strategies, promotional advertising, marketing strategies, and finally product distribution. Additionally, the course will provide opportunities for students to participate in the business and marketing student club DECA.

Personal Finance for Everyday Living

Course Number: 7110

Grades: 11-12

Prerequisite: None

Credit: .5

Homework Rating: Low

The goal of this class is to acquaint students with how to plan for their personal financial future. The units covered in Everyday Living are behavioral economics, banking, paying for college, budgeting, consumer skills, and taxes.

Personal Finance Long Term Planning

Course Number: 7120

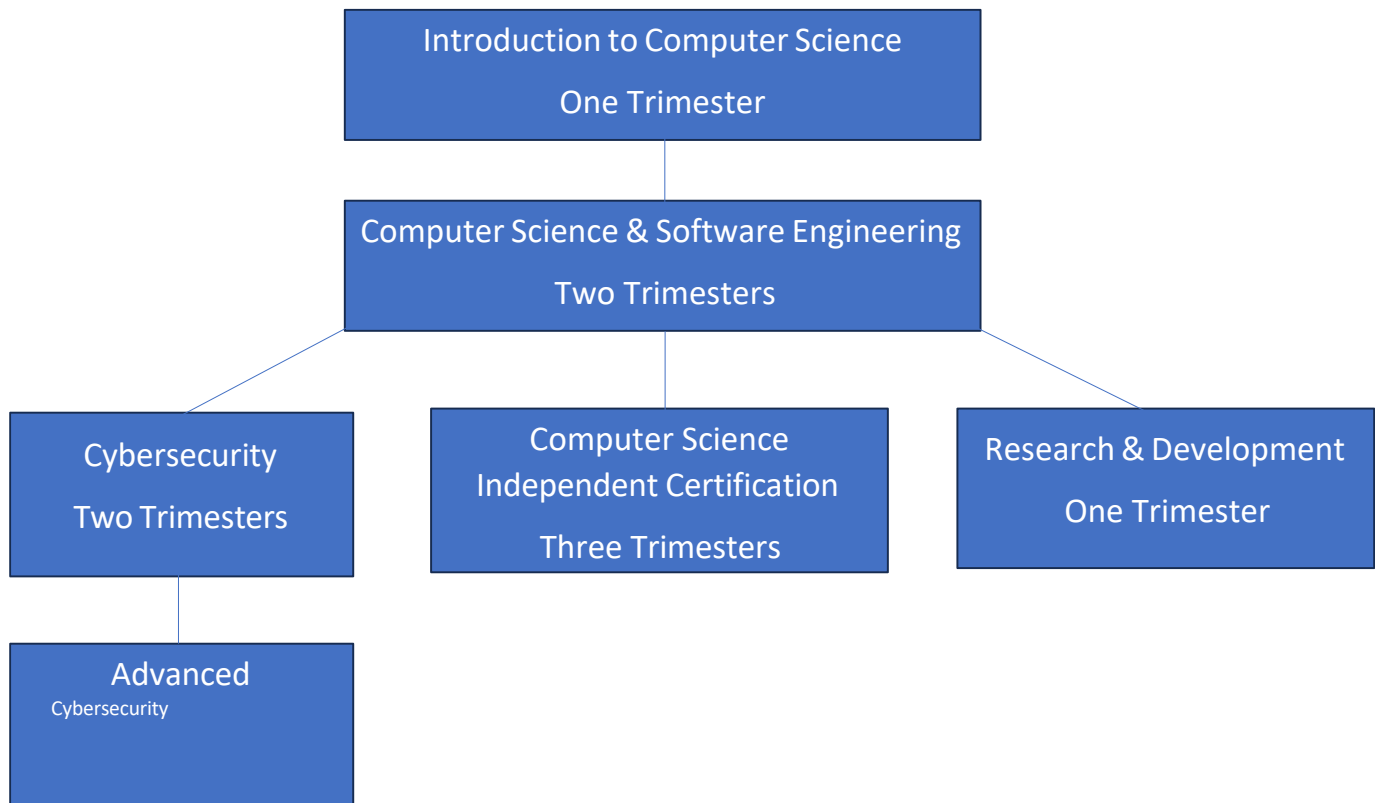
Grades: 11-12

Prerequisite: None

Credit: .5

Homework Rating: Low

The goal of this class is to acquaint students with how to plan for their personal financial future. The units covered in Long Term Planning are types of credit, managing credit, insurance, and investing.



Introduction to Computer Science (CTE)

Course Number: 1101  
Grades: 9-12  
Prerequisite: None

Credit: .5  
Homework Rating: Low

Introduction to Computer Science is an excellent entry into the computer science world. Students will explore career options as a Computer Scientist. Dive into the world of programming using the Python text-based programming language. Edit images using the Digital Design application GIMP, Graphic Image Manipulation Program. Design and create a short film using software to produce, edit and finalize a featured film. While learning these 21st century skills Computer Scientists learn the importance of File Management. Lastly, students will build an electronic portfolio showcasing all their amazing new talents to share with possible employers, university, and IT professionals.

Computer Science Software Engineering (CTE)

Course Number: 1102A & 1102B  
Grades: 9-12  
Prerequisite: Introduction to Computer Science or teacher recommendation

Credit: 1.0  
Homework Rating: Low

Computer Science and Software Engineering (CSSE) is the second course available for high school students within the Computer Science pathway. CSSE will focus on learning software applications that software developers and IT professionals use in their jobs every day. The course evolves very rapidly to keep up with industry and Career & Technical Education (CTE) standards. The course begins by reinforcing File Management for large projects by downloading, installing and preparing a Linux Ubuntu Virtual Environment for training purposes. Students use this Virtual Operating System to grow and learn their skills in installing new software, updating operating systems, and creating backups. Students will then use applications that Industry IT Professionals use on a daily basis such as GitHub, Python Integrated Development Environments (IDE), and Software Development Kits (SDK's) to program Drones through a midair course, Robots through a quest, and Arduino Microprocessors to accept input from an array of sensors. Making mistakes is highly welcome.

Advanced Computer Science (CTE)

Course Number: 1107A & 1107B  
Grades: 10-12  
Prerequisite: Computer Science Software Engineering

Credit: 1.0  
Homework Rating: Low

Advanced Computer Science focuses on further developing computational thinking skills through the medium of Android Application development for mobile platforms. The course utilizes industry-standard tools such as Android Studio, Java™ programming language, XML, and device emulators. Students collaborate to create original solutions to problems of their own choosing by designing and implementing user interfaces and Web-based databases to create innovative, Google Play Store distributable Apps for phones, Chromebooks, and tablets.

Computer Science: Research and Development

Course Number: 1106  
Grades: 9-12  
Prerequisite: Computer Science Software Engineering

Credit: .5  
Homework Rating: Medium

Students will use concepts taught & learned through multiple sources including previous computer science classes, self-taught web-based applications, personal life experiences, passion and peers to further their education in a collaborative team setting. Students will be encouraged to use curriculum from Science, Technology, Engineering and Mathematics (STEM) classes to complete projects of your choice, projects you have always wanted to complete but didn't have the time nor place. Teams will work through three stages of their Research & Development; Implementation Planning, Community Pitch and Final Presentation. Weekly blog reflections will be used to share experiences as the chosen project progresses. Lastly, students will showcase their Research & Development to peers, administrators, family, business & industry through an Innovation Gallery Walk held in May of each year. Students can take this course, as many times as one wishes, in different trimesters, for whenever it fits in your schedule, you can be part of this amazing learning experience. Warning - innovation will be happening!!!!

Cyber Security

Course Number: 1108A & 1108B

Credit: 1.0

Grades: 10-12

Homework Rating: Medium

Prerequisite: Computer Science & Software Engineering

Do you want to be a Cyber Warrior? Are you familiar with computer systems? Are you excited about learning how to hack and defend against cyber-attacks? Then cyber security is the course for you! The curriculum is designed to prepare students with a solid foundation in Cyber Security, arming them with the knowledge, skills, and abilities necessary to pursue a career in the cyber security industry. The curriculum will provide courses and practice labs in different subject areas such as: Hardening Operating Systems, Hardening Networking Switches & Routers, and lastly, Cloud Computing. In addition, Cyber Security students will compete in the National Cyber Patriot competitions to put into practice their obtained knowledge, skills, abilities, and real-life scenarios. Cyber Security students with strong work ethics and teacher approval can take the next course, Advanced Cybersecurity Essentials (ACE) to gain certifications making them marketable to Universities or the World of Work.

Advanced Cyber Security Essentials (CTE)

Course Number: 1109A ,1109B &1109C

Credit: 1.5

Grades: 11-12

Homework Rating: Medium

Prerequisite: Cyber Security and Teacher Approval

Backed by professionals from Stryker Cybersecurity Division students will work independently on gaining certifications in the pathway of their choosing related to Cybersecurity. These paths include, but are not limited to, Cloud Computing, Network Defense Essentials, Ethical Hacking Essentials, and Digital Forensics Essentials. Upon completion of these highly sought after Certifications students qualify to apply for an Internship with Stryker Cybersecurity Division or other local participating companies. Are you ready for the future as a Cybersecurity Professional? It begins here and now!

Computer Science Independent Certification (CSIC)

Course Number:1160A, 1160B,& 1160C

Credit: 1.5

Grades: 10-12

Homework Rating: Medium

Prerequisite: Cybersecurity or Advanced Computer Science and Teacher Recommendation

This course is designed as a capstone to students who have completed the computer science curriculum at GLCS. It is designed for students to study, train, and prepare for industry standard, computer science related, certification tests. Students will choose a topic of study that interests them then they will study independently using various resources that prepare them for certification tests. The goal is for students to pass their certification tests which will provide them with the skill set for entry level work and or post-secondary education. The course is designed to be a full year long, however different certifications may require various amounts of time.

CTE Work Based Learning (Formerly Cooperative Education (Co-op)

Course Number: 114A,114B, & 114C

Credit: .5

Grades: 11-12

Prerequisite: CTE-related class. Successful completion of one trimester or semester of a CTE course and continued concurrent enrollment in CTE.

NOTE: Students are not to be officially enrolled in CTE Work-Based Learning until the Work-Based Learning Coordinator has approved their application and job site. Additionally, employment is subject to forces outside of the control of the school district, therefore, employment cannot be guaranteed. For these reasons, it is recommended that students maintain a full schedule of classes until all conditions are met.

An experience for 11th and 12th grade students who have successfully completed a trimester or semester of a CTE course. Students can earn credit and receive a grade while they learn through paid, related work experience.

Participating students shall:

- Be employed in a coordinator-approved work setting
- Work at least 10-15 hours per week in class-related, legal employment
- Receive release time from school, school credit, on-the-job training and pay
- Be evaluated every grading period by their employer.

# English Language Arts

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Gull Lake students will be required to earn credit in English 9, 10, and 11. The fourth English credit must be earned in one of the following: English 12, AP Language and Composition, AP Literature and Composition, or approved dual enrollment courses.

## English 9

Course Number: 201A & 201B  
Grades: 9  
Standard: Common Core, NCAA

Credit: 1  
Homework Rating: Medium

These courses are designed to cover a wide range of literature from American, British, and world authors. This class will include the study of challenging reading, vocabulary, and grammar and language skills necessary to becoming an effective reader and writer. Students will complete a variety of formal and informal writing assignments and will participate in group work, oral presentations, research and creative projects, and a general study of history, geography, visual media, and culture necessary to appreciate and understand the literature.

## English 10

Course Number: 202A & 202B  
Grades: 10  
Standard: Common Core, NCAA  
Prerequisite: Successful completion of English 9A and 9B

Credit: 1  
Homework Rating: Medium

These courses are designed to cover a wide range of literature from American, British, and world authors. This class will include the study of challenging reading, vocabulary, and grammar and language skills necessary to becoming an effective reader and writer. Students will complete a variety of formal and informal writing assignments and will participate in group work, oral presentations, research and creative projects, and a general study of history, geography, visual media, and culture necessary to appreciate and understand the literature.

## English 11

Course Number: 203A & 203B  
Grades: 11  
Standard: Common Core, NCAA  
Prerequisite: Successful completion of English 10A and 10B

Credit: 1  
Homework Rating: Medium

These courses are designed to cover a wide range of literature from American, British, and world authors. This class will include the study of challenging reading, vocabulary, and grammar and language skills necessary to becoming an effective reader and writer. Students will complete a variety of formal and informal writing assignments and will participate in group work, oral presentations, research and creative projects, and a general study of history, geography, visual media, and culture necessary to appreciate and understand the literature.

## English 12

Course Number: 204A & 204B  
Grades: 12  
Standard: Common Core, NCAA  
Prerequisite: Successful completion of English 11A and 11B

Credit: 1  
Homework Rating: Medium

These courses are designed to cover a wide range of literature from American, British, and world authors. This class will include the study of challenging reading, vocabulary, and grammar and language skills necessary to becoming an effective reader and writer. Students will complete a variety of formal and informal writing assignments and will participate in group work, oral presentations, research and creative projects, and a general study of history, geography, visual media, and culture necessary to appreciate and understand the literature.

## Advanced Placement Language and Composition

Course Number: 205A, 205B, & 205C  
Grades: 11-12  
Standard: College Board, NCAA  
Prerequisite: Successful completion of English 9, 10 & 11 and teacher recommendation

Credit: 1.5  
Homework Rating: High

A. P. Language and Composition will follow the emphasis of most college first-year writing courses. Students will write in a variety of rhetorical modes including narration and description, argumentation, and exposition. Readings include short stories and major works of fiction as well as nonfiction essays and supplemental texts. The purpose of this course is to enable students to effectively analyze the rhetorical strategies authors use to advance a particular message/overall purpose in preparation for the AP Language and Composition Examination. Students will be assigned summer reading and writing which is designed to prepare them for challenging texts and complex subject matter.

Advanced Placement English Literature and Composition

Course Number: 206A, 206B, & 206C

Credit: 1.5

Grades: 11-12

Homework Rating: High

Standard: College Board, NCAA

Prerequisite: Successful completion of English 9,10, & 11 and teacher recommendation

Advanced Placement English Literature is a class especially designed for the student who is serious about reading and studying literature. The various literary genres and outstanding authors are studied. The student will analyze, interpret, and evaluate the literature through class discussion, written assignments, and creative projects. The class not only helps the student prepare for his/her freshman year in college, but also helps the student prepare for the Advanced Placement English exam. The students will be assigned a summer reading which they will receive in June.

Debate

Course Number: 2070

Credit: .5

Grades: 10-12

Homework Rating: Medium

Standard: NCAA

Prerequisite: None

This course teaches the art and skill of argumentation. Students will research both sides of issues, prepare speeches, practice elocution, and master fallacies, logic and syllogisms. Debaters will produce Lincoln-Douglass, public forum, Model UN, legislative, and improve writing and critical thinking.

Speech

Course Number: 2080

Credit: .5

Grades: 10-12

Homework Rating: Medium

Standard: NCAA

Prerequisite: None

Speech is designed to increase students' basic skills in communication and effective speaking. This course will provide experience in various types of communication situations that will allow the student to grow in poise and gain better command of the spoken word. Students will give speeches in each of the following genres: informative, persuasive, special occasion, group presentation, and impromptu.

Creative Writing

Course Number: 2140

Credit: .5

Grades: 10-12

Homework Rating: Medium

Standard: NCAA

Prerequisite: None

This course is designed for the serious writer who will devote the time and effort necessary to develop their personal voice and style through imaginative writing assignments concerning poetry, personal narrative, children's literature, and short stories. The course will focus on improving each writer's poetic style and improving the ability to write from one's own life experiences as well as writing fiction from the ground up and understanding fiction writing techniques. This course requires daily in-class writing and journaling, peer group evaluation, revision work, studying of many diverse types of writings for use as models and a study of terminology necessary for improving understanding of poetry and short stories with the end goal of eventually developing his/her own personal style of writing.



### Yearbook/Publications

Course Number: 214A, 214B, & 214C

Credit: 1.5

Grades: 10-12

Homework Rating: Medium

Prerequisite: Consideration for acceptance to the staff includes written application, good school attendance, taken Writing for the Press, current year's teacher recommendation, special talents, school citizenship record, and an interview with the teacher.

Major responsibilities of the course include planning, decision making, photography computerized page design, interviewing students in order to write copy, selling advertising, and marketing the yearbook. Working as a team is essential. Staff members must be able to work under limited supervision, meet strict deadlines, and be able to spend time outside of regularly scheduled class hours. Students who receive below a "C" average may not elect to take this course again.

### Yearbook Editor

Course Number: 215A, 215B, & 215C

Credit: 1.5

Grades: 11-12

Homework Rating: Medium/High

Prerequisite: Application process, permission of yearbook advisor

Two to four students will be selected to act as yearbook editors and/or business managers. These students will be selected based on their leadership abilities, academic standing, attendance, and special talents. They will work as a team to lead the staff during the publishing process and coordinate the efforts of the staff to create a unified, successful yearbook. Students who receive below a "C" average may not elect to take this course again.

Link for Yearbook Application:

<https://docs.google.com/forms/d/1GpNYuN2Dkh8bqKdg3uvhBSem6iKFGENjQs8ZXzsf-SM/prefill>



# Family and Consumer Sciences

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## Parenting and Child Development

Course Number: 5200  
Grades: 10-12  
Prerequisite: Health

Credit: .5  
Homework Rating: Low

This course is intended for developing awareness, knowledge and skills associated with raising and simply interacting with children. Topics of study include preparing for parenthood, teen pregnancy, fetal development, birth defects, labor & delivery and the developmental milestones physically, intellectually, emotionally and socially from infancy through age 5. Students will also have the opportunity for hands on experience taking care of a 3 month old through the "RealCare baby" simulation! Or students will have the option to complete a thorough research essay and presentation on a child development theorist. Students will experience learning through guided notes, interactive practice, creative projects and video analysis.

## Interpersonal Relationships

Course Number: 5210  
Grades: 10-12  
Prerequisite: None

Credit: .5  
Homework Rating: Low

During this course, students will learn about theories and skills that can enhance their relationships both platonic and romantic. This course furthers some topics we touched on in Independent Living including healthy/unhealthy relationships, communication and types of love. We will also explore the family foundation, family cycles, how to strengthen relationships, values/morals, roles in relationships, love/apology languages and a variety of other topics! Students will experience learning through guided notes, interactive practice, creative projects and video analysis.

## Foods and Nutrition

Course Number: 5230  
Grades: 9-12  
Prerequisite: None

Credit: .5  
Homework Rating: Low

While in this course, students will explore their nutritional needs, the food industry and cooking skills to be able to thoughtfully fuel their bodies throughout their lifetime. Topics of study include eating habits, eating disorders, kitchen basics, safety and sanitation, macronutrients, micronutrients, environmental impacts of the food industry, food preparation, and a variety of food science and technology topics. Students will experience learning through hands-on food labs, guided notes, interactive practice, creative projects and video analysis.

## Independent Living

Course Number: 5240  
Grades: 9-12  
Prerequisite: None

Credit: .5  
Homework Rating: Low

In this course, students will explore a variety of topics to get an idea of what the world of independents may include. Topics of study include self-awareness, self-esteem, SMART Goals, decision making, buying/renting housing, obtaining a vehicle, interpersonal relationships and employability skills. Students will also get to practice a variety of "adulting" skills and have the opportunity to learn and demonstrate an adulting skill of their own! Students will experience learning through guided notes, interactive practice, creative projects and video.

# Fine and Performing Arts

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## Choir

Course Number: 301A, 301B, & 301C  
Grades: 9-12  
Prerequisite: None

Credit: 1.5  
Homework Rating: Low

If you have ever caught yourself singing into an imaginary microphone or singing along to the radio, you are just the right person for choir. The Blue Devil Choir is a wonderful way to meet new friends and utilize the one instrument which you will always carry with you, your voice. There is no audition and no experience needed to be a member of this outstanding ensemble. It is a requirement of this class to attend all performances and rehearsals.

## Band

Course Number: 3020- Marching Band (1st trimester) Credit: 0.5  
303A & 303B - Concert Band (2nd/3rd trimester) Credit:1.0  
304A & 304B - Symphonic Band (2nd/3rd trimester) Credit:1.0

Homework Rating: Moderate

Grades: 9-12

Prerequisites: Successful completion of Middle School band and/or performance audition; teacher recommendation required  
NOTE: Marching Band is not a standalone class. Student must have Concert or Symphonic Band for the year. All 9<sup>th</sup> graders will take Concert Band and all 12<sup>th</sup> graders will take Symphonic Band. Auditions will be held for 10<sup>th</sup> and 11<sup>th</sup> graders for placement into Concert or Symphonic Band.

During the first trimester, the senior high band functions as the "Blue Devil Marching Band." The band will perform at all home varsity football games, marching band competitions, parades, and pep assemblies. In addition, band members are required to attend a one-week marching band camp during the summer. After football season concludes, the marching band will be split into two bands: concert band and symphonic band. Auditions will determine placement in the bands. It is a requirement of the class to attend all performances and rehearsals.

## Jazz Band

Course Number: 305A  
Grades: 9-12  
Prerequisite: Successful completion of Middle band and/or performance audition; teacher recommendation required.

Credit: .5  
Homework Rating: Low

This course is designed for instrumental students to experience performing a style of music that band students rarely have the opportunity to perform in other instrumental ensembles offered at GLHS. The ensemble will focus on playing and performing a variety of jazz styles. In addition, the class will work on improvising skills, listening skills, and supporting soloists. This class is a great addition to any current band student's schedule to add another outlet for music and performing. It is a requirement of the class to attend all performances.

## Beginning Guitar

Course Number: 3060  
Grades: 11-12  
Prerequisites: None

Credit: .5  
Homework Rating: Low

Participants in this class will work their way through learning the parts of the guitar, tuning techniques, strumming patterns, picking, note/tablature reading, basic chord progressions and putting together a garage band. You do not have to know how to read music to participate in this class.

## Stagecraft and Theatre Design

Course Number: 3130  
Grades: 9-12  
Prerequisites: none

Credit: .5  
Homework Rating: Low

Stagecraft is a hands-on course that introduces students to all technical and production elements of a live performance: lighting design and execution, sound design and execution, prop building techniques, set building techniques, costume design and execution, media and publicity design, and make up design and execution. Students are trained in the use of tools and other equipment and will be given a number of projects that require them to use these skills safely and effectively. Students may retake this course with instructor permission.

Introduction to Acting

Course Number: 3110  
Grades: 9-12  
Prerequisites: none

Credit: .5  
Homework Rating: Low

Intro to Acting takes a closer look at theatre as an actor. In this class we will focus on helping students create dramatic characters, as well as look at different "rules" for acting. It will explore characterization, pantomime, dramatic literature, staging, scene and monologue work. Students may retake this course with instructor permission.

Oral Traditions (Storytelling)

Course Number: 3140  
Grades: 9-12  
Prerequisite: None

Credit: .5  
Homework Rating: Low

Oral Tradition I invites students to discover our first language- Storytelling. It is the passing along of cultural and personal stories in their many forms. Students will discover this powerful life skill through searching for stories, mentoring an elementary child, and developing their storytelling skill and technique. Classwork will be shared in live audience settings. Students may retake this course with instructor permission.

Improvisation and Sketch Comedy

Course Number: 3190  
Grades: 9-12  
Prerequisite: None

Credit: .5  
Homework Rating: Low

Students in this class will study improvisation techniques and apply them to both long and short form improvisation. Improvisation is a performance skill that requires a great deal of knowledge about people, current events, historical events, and culture, so students will also be responsible for increasing their knowledge in these areas in addition to performing. Students will also study different elements of comedy and write short sketches that use these elements. Students may retake this course with instructor permission.

Creative Development

Course Number: 3193  
Grades: 9-12  
Prerequisite: None

Credit: .5  
Homework Rating: Low

This class is designed with any type of artist in mind: visual, performing, literary, musical, etc. The class explores the nature of creativity and the habits that enable one to be creative no matter the art form or activity. Students are required to examine principles and other aspects of creativity, such as new experiences and creative blocks, and apply them to their own lives. Students must also complete an independent creative choice project throughout the trimester. Students may retake this course with instructor permission.

Theatrics

Course Number: 3195  
Grades: 9-12  
Prerequisite: Introduction to Acting, Improvisation and Sketch Comedy, Oral Traditions (Storytelling) OR instructor permission.

Credit: .5  
Homework Rating: Low

This course builds on the introductory performing arts courses by providing students with an opportunity to develop their skills as they create a full production with lights, sound, scenery, costumes, and props to present to a live audience. Students will be responsible for rehearsing the show and performing in the show with all the production elements (lights, sound, set, props, costumes, etc.) at the end of the trimester. In doing so, students will have to synthesize their understanding of the elements of acting in order to perform in an authentic setting. This course requires one evening performance for families and friends.

Advanced Acting (Formerly Advanced Theatre Studio)

Course Number: 3160  
Grades: 9-12  
Prerequisite: None

Credit: .5  
Homework Rating: Low

Advanced Acting is an opportunity for students interested in further study and practice in performance. Students will engage in extended academic and practical experiences and theory, including different styles of acting. This class may be repeated as content will vary.

Art 1 (Formerly Principles of Art and Design)

Course Number: 3200  
Grades: 9-12  
Prerequisite: None

Credit: .5  
Homework Rating: Low

This is an introductory course in the visual arts. Emphasis will be on the introduction of a variety of Art Media and Techniques. Art history, aesthetics and critical thinking will be introduced and applied within the 2D art making experience.

Drawing & Painting (Art 2D)

Course Number: 3210  
Grades: 9-12  
Prerequisite: Principles of Art and Design

Credit: .5  
Homework Rating: Low

This class is a continuation of the painting and drawing skills acquired in Art 1. A more personal approach to the subject matter will be encouraged and technical skills will continue to be developed. A survey of global art history (ancient to 20th century) will be explored. This course may be repeated.

Sculpture & Ceramics (Art 3D)

Course Number: 3230  
Grades: 9-12  
Prerequisite: Principles of Art and Design

Credit: .5  
Homework Rating: Low

Modeling, carving, relief and assemblage will be used in the creation of 3D art forms. Hand-building techniques will be practiced extensively during the ceramic unit. An overview of global art and architecture will be examined. This course may be repeated.

Studio Art

Course Number: 3250  
Grades: 10-12  
Prerequisite: Prior art coursework (minimum 1 credit) and Teacher Recommendation.

Credit: .5  
Homework Rating: Low

This advanced course is designed for the independent art student, with an emphasis on visual expression. The student will have the opportunity for further experimentation and investigation into personal expression through the arts (both 2D and 3D). The course is highly recommended for students who desire additional art experiences related to careers in the visual arts, design and/or marketing. Students will continue to develop technical skills related to personal artistic style and original ideas. Students will develop a "portfolio" as a showcase for their work and a document of their creative growth. In addition, student artists will be encouraged to enter their work in local art shows and competitions (KIA High School area show) and will have their work prominently displayed in the annual GLHS Festival of the Senses. STUDIO ART MAY BE REPEATED WITH TEACHER RECOMMENDATION

Art Experience as Therapy: A Peer to Peer Exploration

Course number: 3270  
Grades: 9-12

Credit: .5  
Homework Rating: Low

This class is designed to use a Peer to Peer/LINKS approach (see Support Services pg.36) using Art and Art Therapy techniques to identify and address the developmental needs of special needs students. Peer Mentors will be assigned to a student (or students) and will work in coordination with the instructor to develop and implement art activities specific to the physical and cognitive needs of that student. Peer mentor students would be those whose future career pathways might include Art, Art therapy, Education, Special Education, Social Work and Psychology. Research in Art Therapy and application techniques would also be required of Peer Mentors. Through this therapeutic approach and Peer to Peer mentoring, students will be exposed to and utilize a variety of artistic experiences and methods as they relate to specific developmental needs. Teacher recommendation required. Course may be repeated with teacher recommendation.

NOTE: STUDENTS WILL BE FURNISHED MATERIALS FREE TO MEET MINIMAL COURSE OBJECTIVES. PROJECTS ARE THE PROPERTY OF THE SCHOOL FOR ONE YEAR FOR THE PURPOSE OF DISPLAY. MATERIALS PURCHASED FROM THE SCHOOL MUST BE PAID FOR AT THE COMPLETION OF EACH PROJECT.

# Mathematics

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Since mathematics is a sequential discipline, mastery of fundamental concepts is necessary if an in-depth understanding is to be attained. In making a recommendation the instructor will consider the student in total, with consideration given to the student's abilities, interests, motivation, study habits, and past performance. It is required by the state for each student to complete four credits of mathematics including Algebra, Plane Geometry, Data Analysis/Algebra 2, and a math course in his/her final year of high school.

## Algebra (3Tri)

Course Number: 701A, 701B, & 701C

Grades: 9

Standard: MMC, NCAA

Prerequisite: MUST BE TEACHER RECOMMENDED to qualify for this class.

NOTE: This course is a three trimester course.

This course may contain the following units: Function Relationships, Linear Functions, Solving Linear Equations, Exponential Functions, Quadratic Functions, Solving Quadratic Functions, Power and Polynomial Functions, Bivariate Data.

Credit: 1.5

Homework Rating: Low

## Algebra

Course Number: 702A & 702B

Grades: 9-10

Standard: MMC, NCAA

Prerequisite: Teacher recommendation

This course may contain the following units: Function relationships, Linear Functions, Solving Linear Equations, Exponential Functions, Quadratic Functions, Solving Quadratic Functions, Power and Polynomial Functions, Bivariate Data.

Credit: 1

Homework Rating: Medium - High

## Plane Geometry

Course Number: 703A & 703B

Grades: 9-11

Standard: MMC, NCAA

Prerequisite: Successful completion of Algebra AND teacher recommendation

This course may contain the following units: Language of Geometry, Mathematical Reasoning and Proof, Transformational Geometry, Triangles, Quadrilaterals and other Polygons, Right Triangle Trigonometry, Circles, Three-Dimensional Figures.

Credit: 1

Homework Rating: High

## Concepts of Geometry

Course Number: 705A & 705B

Grades: 10-11

Standard: MMC

Prerequisite: Successful completion of Algebra/Algebra 3 Tri AND MUST BE TEACHER RECOMMENDED to qualify for this class.

NOTE: This course will meet Geometry credit at an introductory level and may not meet college admission standards.

This course may contain the following units: Language of Geometry, Mathematical Reasoning and Proof, Transformational Geometry, Triangles, Quadrilaterals and other Polygons, Right Triangle Trigonometry, Circles, Three-Dimensional Figures.

Credit: 1

Homework Rating: Medium

## Data Analysis and Algebra 2

Course Number: 704A & 704B

Grades: 9-12

Standard: MMC, NCAA

Prerequisite: Successful completion of Plane Geometry AND teacher recommendation

This course may contain the following units: Uni-variate Data and Distributions, Matrices, Exponential and Logarithmic Functions, Rational Functions, Sequences and Series, Trigonometric Functions, Probability.

Credit: 1

Homework Rating: High

Concepts of Data Analysis and Algebra 2

Course Number: 713A 713B  
Grades: 11-12  
Standard: MMC

Credit: 1  
Homework Rating: Low

Prerequisite: Successful completion of Plane Geometry AND MUST BE TEACHER RECOMMENDED to qualify for this class.  
NOTE: This course is designed to meet the first half credit of Algebra II at an introductory level and may not meet college admission standards.

This course may contain the following units: Uni-variate Data and Distributions, Matrices, Exponential and Logarithmic Functions, Rational Functions, Sequences and Series, Trigonometric Functions, Probability, a review of quadratics, and linear systems.

Trigonometry

Course Number: 7050  
Grades: 10-12  
Standard: MMC, NCAA

Credit: .5  
Homework Rating: High

Prerequisite: Successful completion of Data Analysis and Advanced Algebra AND Pre-Calculus A.

This class is designed for the student who plans on continuing his/her math education towards a calculus-based class either in high school or college. The topics covered will include angles and their properties, radian measure and its applications, trigonometric functions and their graphs, identities, trigonometric equations, inverses of trigonometric functions, laws of sine and cosine, and vectors.

Precalculus

Course Number: 706A & 706B  
Grades: 10-12  
Standard: MMC, NCAA

Credit: 1  
Homework Rating: High

Prerequisite: Successful completion of Data Analysis and Algebra 2 AND teacher recommendation.

This class is designed to prepare the college-bound student for calculus. The topics covered will include polynomials, factoring, quadratic relations, linear relations and functions, systems of equations, matrices, the nature of graphs, rational functions, conics, exponential and logarithmic functions, sequences and series, iteration, data analysis, and introduction of calculus theories such as limits, derivatives, and integrals. A review of trigonometry will be included.

Advanced Placement Calculus

Course Number: 707A,707B, & 707C  
Grades: 11-12  
Standard: College Board, NCAA

Credit: 1.5  
Homework Rating: High

Prerequisite: Successful completion of Precalculus

NOTE: Students who take this class will be prepared to take the AP test for Calculus AB in May.

This course is designed to prepare the student for the advanced placement calculus examination. Course topics will include the study of explicit and implicit functions, differential calculus and integral calculus. The course will be taught on a college level and students will be expected to spend 1 to 2 hours of non-class time daily studying calculus. The topics in this course may include algebraic, numerical and graphical approaches, parametric, polar and vector functions, geometric interpretation of differential equations with slope fields, L'Hopital's Rule for convergence of improper integrals and series, numerical solution of differential equations using Euler method, infinite series convergence and divergence. Application problems of the derivative and integral are explored. The course's final exam in spring will consist of exercises taken from previous A.P. Calculus exams. Therefore, each student should be well versed in the use of and have access to a graphing calculator.



Advanced Placement Statistics

Course Number: 709A, 709B, & 709C

Credit: 1.5

Grades: 11-12

Homework Rating: High

Standard: College Board, NCAA

Prerequisite: Successful completion of Data Analysis and Advanced Algebra AND teacher recommendation.

NOTE: Students who take this class will be prepared to take the AP test for statistics in May.

AP Statistics is a college-based curriculum statistics course. The purpose of the AP course in Statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. The topics covered will include displaying data in tables and graphs, describing the shape of a display, measures of center, measures of dispersion, normal distribution, scatter plots, association, correlation, least squares regression, Simpson's paradox, sampling, simulation, statistical inference, probability distributions, binomial distribution, sample means and estimating with confidence. Students are exposed to four broad conceptual themes: exploring data, planning a study, anticipating patterns, statistical inference. The course's final exam in spring will consist of exercises taken from previous A.P. Statistics exams. Therefore, each student should be well versed in the use of and have access to a graphing calculator.

Math for Success

Course Number: 7180

Credit: .5

Grades: 9-12

Homework Rating: Low

Prerequisite: Teacher/Counselor Recommendation

Math for Success will assist students to acquire the necessary math skills to be successful in any level of mathematics at the high school or college level. This is an online blended course using ALEKS software to develop each student's pathway. The class is excellent for any student who would like to increase his/her math skill level. This course can also count as a 4<sup>th</sup> related math class for senior year.

**The fourth math related requirement may be completed through successful participation in any of the following courses or CTE Programs during senior year.**

**GLHS**

Accounting

Entrepreneurs and Business

Leaders

Marketing

Personal Finance EDL & LTP

Technical Drawing I

Technical Drawing II CAD

**\*All CTE Classes count as a 4<sup>th</sup> related math course effective 2021-2022 school year.**



# Physical & Health Education

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## Health

Course Number: 8010  
Grade: 9  
Prerequisite: None

Credit: .5  
Homework Rating: Medium

This course is designed to give the student a basic understanding of what health is and how decisions regarding our health can affect our lives every day. Specific topics discussed include Decision Making, Tobacco, Alcohol and other Drugs, CPR, the Reproductive System, Contraception, Sexually Transmitted Diseases, HIV/AIDS, and Abstinence.

## Introduction to Fitness

Course Number: 8020  
Grades: 9-12  
Prerequisite: None

Credit: .5  
Homework Rating: Low

NOTE: THIS COURSE OR STRENGTH AND CONDITIONING IS REQUIRED FOR GRADUATION

This class will provide students with an introduction to the weight room, physical fitness activities, and team sports. Emphasis will be focused on the foundations of fitness, weight training safety, and sports related activities. Participation is required. This course may not be repeated.

## Lifetime Sports

Course Number: 8040  
Grades: 10-12  
Prerequisite: Introduction to Fitness

Credit: .5  
Homework Rating: Low

The Lifetime Sports class will provide students with instruction and interaction in some of the sports that people play throughout the course of their lives. Emphasis will be on life fitness and activities. Activities will be determined by the season the class is offered and may include Presidential physical fitness testing, volleyball, basketball, tennis, soccer, softball, badminton, pickleball, ultimate frisbee, Tae Bo, and weight training and bowling. Participation is required. A fee may be required for some activities. This course may be repeated with teacher approval.

## Strength and Conditioning

Course Number: 8050  
Grades: 9-12  
Prerequisite: None

Credit: .5  
Homework Rating: Low

NOTE: THIS COURSE OR INTRODUCTION TO FITNESS IS REQUIRED FOR GRADUATION

This course is designed to give students a variety of fitness opportunities to improve on strength training, cardiovascular fitness, and flexibility. There will also be a component on nutritional education. Participation is required. This course may be repeated with teacher approval.

## Advanced Physical Education

Course Number: 8060  
Grades: 10-12  
Prerequisite: Introduction to Fitness

Credit: .5  
Homework Rating: Low

This class is designed for the student athlete that is serious about advancing their individual sport, skill, and fitness level. This course will include, strength, speed, agility, and sport specific skill training to develop you as a Gull Lake Varsity Athlete. This course is also intended to improve the student's physical efficiency to meet the demands of everyday living. Students will be given an understanding of the nature of physical fitness and an appreciation of the benefits of hard work toward sport specific goals.

## Introduction to Fencing

Course Number: 8090  
Grades: 10-12  
Prerequisite: Introduction to Fitness

Credit: .5  
Homework Rating: Low

The first level of fencing includes the basic fencing skills as well as an introduction to the sport of Olympic fencing. The fencing students will learn on the training sword, the foil. They will also learn the basics of movement, blade engagement, beginning bouts, as well as the basic rules in modern fencing. If time permits, they will also be introduced to the other two Olympic blades, the Epee' and the Saber. The history of fencing and dueling will be given between the exercises to complete the basic knowledge of the sport. This course may be repeated for a maximum of 1 credit.

# Science

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Class/ Course	Requirements		Choose at least ONE* to get 3 credits Highly recommend 2
<b>Biology/ Concepts</b>	A	B	
<b>Chemistry/ Concepts</b>	A		B*
<b>Physics/ Concepts</b>	A		B*
<b>Earth and Space Science</b>	A		B
	Many electives, AP, EFE, CTE, dual enrollment, and virtual options can count for additional science credits.		* completion of full Chemistry or Physics is recommended

### Concepts of Biology

Course Number: 902A & 902B

Grades: 9

Standard: MMC NOT NCAA

Prerequisite: Teacher/counselor placement only

Credit: 1

Homework Rating: Low

This course is designed to meet the state Biology requirements for graduation at an introductory level. Concepts of Biology A will emphasize microscopic areas of life science. Topics include chemistry of life, cell structure and function, energy, and classification of organisms. Concepts of Biology B will emphasize macroscopic areas of life science. Topics include genetics, evolution, cell division, protein synthesis, and ecology.

### Biology

Course Number: 903A & 903B

Grades: 9

Standard: MMC, NCAA

Prerequisite: none

Credit: 1

Homework Rating: Medium-High

This course is designed to meet the state Biology requirements for graduation at a more rigorous level. Biology A will emphasize microscopic areas of life science. Topics include chemistry of life, cell structure and function, energy, and classification of organisms. Biology B will emphasize macroscopic areas of life science. Topics include genetics, evolution, cell division, protein synthesis, and ecology. Formal lab reports will be required.

### Concepts of Physics

Course Number: 904A & 904B

Grades: 10-12

Standard: MMC NOT NCAA

Prerequisite: Biology / Concepts of Biology and teacher recommendation. Algebra recommended.

Credit: 1

Homework Rating: Low

This course is designed for those students who wish to better understand how the natural world behaves. Physics is a study of nature's rules! Topics include motion, forces, momentum, energy, gravity, waves, sound, light, electricity, and magnetism. The emphasis of this course will be to understand the everyday applications of physics through hands-on experience. Laboratory experiences will be group focused and students are expected to be engaged in the learning process. Concepts level physics will involve some math applications, but the emphasis will be on conceptual learning.

### Physics

Course Number: 905A & 905B

Grades: 10-12

Standards: MMC, NCAA

Prerequisite: Biology, Plane Geometry and teacher recommendation.

Credit: 1

Homework Rating: Medium

Physics is the study of nature's rules! Topics include motion, forces, momentum, energy, gravity, waves, sound, light, electricity, and magnetism. This course is designed to introduce students to the principles of physics along with the skills of problem solving. Classroom structure and subject content will be group focused with students learning from and working with their peers. Hands-on laboratory experiences will be extensive and inquiry based. Students will be expected to work as a cooperative member of a laboratory team and be engaged in the learning process. Mathematical applications and problem solving will be emphasized, along with, meaningful conceptual understanding. Engineering projects may be required.

### Concepts of Chemistry

Course Number: 906A & 906B

Grades: 10-12

Standards: MMC NOT NCAA

Prerequisite: Biology/Concepts of Biology and teacher recommendation. Algebra recommended.

Credit: 1

Homework Rating: Low

This course is designed to introduce the students to the principles of Chemistry while reducing the math application content. Classroom structure and subject content will be group focused with students learning from and working with their peers. Laboratory experiences will be inquiry based with proper guidance along the way to support the learner. Proper laboratory technique and principles of safety will be taught. Lab reports will be scaffolded and structured to support student learning of the subject material in every unit. Students will be expected to work as a cooperative member of a team and work independently in problem solving situations. Topics to be presented in Concepts of Chemistry A will include the particle nature of matter, gas laws and pressure, density, energy of particles, the mole and molar mass, and internal structure of the atom. Topics to be presented in Concepts of Chemistry B will include periodicity, chemical reactions and equations, energy of chemical reactions, stoichiometry, and kinetics.



### Chemistry

Course Number: 907A & 907B

Grades: 10-12

Standards: MMC, NCAA

Prerequisite: Biology, Algebra OR teacher recommendation.

Credit: 1

Homework Rating: Medium

This course is designed to introduce the student to the principles of Chemistry. Classroom structure and subject content will be group focused with students learning from and working with their peers. Laboratory experiences will be extensive and inquiry based. Proper laboratory technique and principles of safety will be taught and stressed. Formal lab reports will be required every unit. Students will be expected to work as a cooperative member of a team and work independently in problem solving situations. Mathematical applications and problem solving will be emphasized. Students should have a calculator with scientific notation and exponential ability. Students should plan on spending an average of 45 minutes to an hour daily studying Chemistry outside of class. Topics to be presented in Chemistry A will include the metric system, unit analysis, gas laws and pressure, density, energy of particles, the mole and molar mass, and internal structure of the atom. Topics to be presented in Chemistry B will include periodicity, chemical reactions and equations, energy of chemical reactions, stoichiometry, and kinetics.

### Environmental Issues

Course Number: 9120

Grades: 10-12

Standards: MMC, NCAA

Prerequisite: Biology/Concepts of Biology required, Chemistry/Concepts of Chemistry recommended.

Credit: .5

Homework Rating: Medium

Environmental Issues is designed to provide students with an understanding of the impact humans have on the environment and the impact the environment has on humans. We will cover topics including the history of environmental issues and how we got to where we are today, sustainability, human population growth, human use of resources, climate change, and biodiversity. This course requires independent and outside reading and students will be expected to work to identify environmental issues and suggest solutions as well as present to the class.

### Anatomy and Physiology

Course Number: 9170

Grades: 10-12

Standards: MMC, NCAA

Prerequisite: Biology required, Physics and/or Chemistry are recommended.

Credit: .5

Homework Rating: Medium

Anatomy and Physiology will cover the structure and the function each of the human body systems. Several dissections will be completed in order to illustrate the features of these systems. Additionally, students will look at comparisons between the systems found in invertebrates and vertebrates other than mammals/humans. Disease conditions common to each system will be included in each unit. Students will be expected to complete several short papers and one large project, and work independently to memorize substantial information.

### Forensic Science

Course Number: 9180

Grades: 10-12

Standard: MMC, NCAA

Prerequisite: Chemistry A / Physics A and Biology

Credit: .5

Homework Rating: Medium

This course surveys key topics in forensic science including the application of scientific process to forensic analysis, procedures and principles of crime investigation, physical and trace evidence. Through lessons, laboratories and analysis of fictional crime scenarios students learn about forensic tools, technical resources, forming and testing hypotheses, proper data collection and responsible conclusions. This course is heavily based in lab work (both the collection of data and communication of findings). Therefore, students will write multiple lab reports for each unit.

### Advanced Placement Physics 1

Course Number: 913A, 913B, 913C

Credit: 1.5

Grades: 10-12

Homework Rating: High

Standard: College Board, NCAA

Prerequisite: Data Analysis and Advanced Algebra and teacher recommendation. (Recommended to be currently taking Trigonometry)

NOTE: This course will only run based on the amount of requests.

AP Physics focuses on the big ideas typically included in the first semester of an algebra-based, introductory college-level physics sequence and provide students with enduring understandings to support future advanced work in the sciences. Through inquiry-based learning, students will develop critical thinking and reasoning skills. Students will cultivate their understanding of physics and science as they explore the following topics: Kinematics, Dynamics, Circular motion, Fluids, Gravitation, Simple harmonic motion, Momentum, Work, Energy, and Rotational Motion. Electricity and Waves may be addressed after the AP exam. It is assumed that students will have considerable reading and math skills and can work at an accelerated pace.

### Advanced Placement Biology

Course Number: 914A, 914B, & 914C

Credit: 1.5

Grades: 10-12

Homework Rating: High

Standard: College Board, NCAA

Prerequisite: Biology, Chemistry and teacher recommendation.

NOTE: This course contains lab activities which may include dissections

This course will only run based on the amount of requests.

Advanced Placement Biology offers students interested in the biological sciences an opportunity to pursue a college level biology course while in high school. This course will cover the AP College Board requirements for preparing for the AP Exam in May. Topics include the Process of Evolution, Utilization of Free Energy, Molecular building blocks of life, the Response of Living Systems to Information and the Interactions of Living Systems with each other and their environments. Current biological concepts, investigative procedures and laboratory tests will be introduced to broaden the students' understanding and experience in this science. Many of these lab experiences will be inquiry based. It is assumed that students will have good reading skills and will be able to budget their time to maintain a regular schedule of reading assignments. The third trimester will prepare students for the Advanced Placement Exam. It will also contain independent labs and projects. Dissections are possible.

### Advanced Placement Chemistry

Course Number: 915A, 915B, & 915C

Credit: 1.5

Grades: 11-12

Homework Rating: High

Standard: College Board, NCAA

Prerequisite: Chemistry and teacher recommendation

This class allows students the advantage of having previewed the introductory level of college Chemistry. Students must be able to work at an accelerated pace. It is assumed that students will have considerable reading, writing and math skills. Students will be expected to work independently with a group in the laboratory. Problem solving coursework will add greater scope and detail to topics already covered in Chemistry. Principles and concepts concerning thermodynamics, kinetics, molecular structure, equilibria, and electrochemistry will be discussed and applied. Formal lab reports will be written frequently. The third trimester will concentrate on Advanced Placement Exam preparation. A research project and a video project may also be required.

### Earth and Space Science

Course Number: 919A & 919B

Credit: 1

Grades: 9-12

Homework Rating: Medium

Standard: MMC, NCAA

Prerequisite: None

This course is designed to meet the state Earth and Space Science requirements for graduation.

ESS A is a one trimester course. Topics that will be covered include astronomy - the study of space and our place in it, as well as its formation and how changes in space affect our planet; geology - the study of the solid Earth, how and why it has changed over time, as well as how those changes have affected life. These studies will be made with a systems-based mindset, a focus on the interrelationships between different parts of the Earth and Space systems.

ESS B will cover topics such as: cycling of matter and energy -including investigations into the hydrosphere and Carbon cycle; meteorology - the study of weather and climate, how energy and water flow cause changes in Earth's weather/climate and how humans respond to these changes; and human sustainability -a look at the use of our natural resources, our response to natural hazards, and the overall human impact on the planet.

# Social Studies

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## Civics

Course Number: 601A & 601B  
Grade: 9  
Standard: MMC, NCAA  
Prerequisite: None

Credit: 1  
Homework Rating: Medium

In Civics A, through active inquiry and participation, students will learn about the rights and responsibilities of citizenship, basic governmental structures, the U.S. Constitution's format and history, political parties, and elections. Throughout the course, students will apply the core values of our constitutional democracy to current and historical events, key documents, and a public policy issue. In Civics B, students will learn about the executive, legislative and judicial branch of the national government. Students will be able to use the U.S. Constitution to understand the structures and principles of the three branches. In addition, students will learn about state and local governments and international relations. Students will also be applying the U.S. Constitution—specifically the Bill of Rights—to landmark Supreme Court decisions. Throughout the course, students will apply the core values of our constitutional democracy to current and historical events and key documents.

## U.S. History and Geography

Course Number: 602A & 602B  
Grade: 10-12  
Standard: MMC, NCAA  
Prerequisite: None

Credit: 1  
Homework Rating: Medium

The object of this course is to acquire knowledge of our American heritage and to gain an appreciation of the efforts made by earlier Americans in their struggle to build a nation. This course will examine the military, political, social, geographic, and economic developments during the 20th Century to the present that have made America the nation it is today. There will be an emphasis on geography and its role in shaping the history of America. The contributions of outstanding individuals, major events, and social movements will also be studied. Part A will deal with event occurring from about 1890 to 1945. Part B will cover 1945 to the present.

## World History and Geography

Course Number: 603A & 603B  
Grade: 10-12  
Standard: MMC, NCAA  
Prerequisite: None

Credit: 1  
Homework Rating: Medium

This course is designed to offer the student a global perspective of world history. It is a chronological survey of world history from the beginning of global interaction to present day. Geography, critical thinking skills, and writing skills will be emphasized. The goal of this class is to examine political, economic, social, and cultural diffusion over time. World History and Geography A will encompass the period from 1000 to 1850. Part B will cover 1850 to the present.







Economics

Course Number: 6070  
Grades: 11 - 12  
Standard: MMC, NCAA  
Prerequisite: None

Credit: .5  
Homework Rating: Medium

This course will include the study of microeconomics and macroeconomics. Students will use an economic way of thinking to study the market economy, national economy, the international economy, and personal finance. This course will put special emphasis on economic reasoning, problem solving, decision making, and analyzing real-life situations.

Advanced Placement U.S. History

Course Number: 605A, 605B, & 605C  
Grades: 10-12  
Standard: College Board, NCAA  
Prerequisite: Recommendation of Social Studies teacher.

Credit: 1.5  
Homework Rating: High

NOTE: THIS COURSE SATISFIES THE U.S. HISTORY / GEOGRAPHY GRADUATION REQUIREMENT.

Advanced Placement United States History is a challenging class meant to be the equivalent of a college level history course and can earn students' college credit. It is a 36-week survey of American history from the age of exploration and discovery to present day. Solid reading and writing skills, along with a willingness to devote considerable time to homework and study are necessary to succeed. Emphasis is placed on critical thinking skills, essay writing, and interpretation of original documents. An exam prepared by the College Board will be offered in May.

Advanced Placement World History

Course Number: 606A, 606B, & 606C  
Grades: 11-12  
Standard: College Board, NCAA  
Prerequisite: Teacher recommendation

Credit: 1.5  
Homework Rating: High

NOTE: THIS COURSE SATISFIES THE WORLD HISTORY/GEOGRAPHY GRADUATION REQUIREMENT.

The AP World History course is designed to develop a greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. The course highlights the nature of change over time and causes and consequences within a historical framework. Content covers the world from 1200 up to the present. A college level text is used alongside outside readings. Emphasis is placed on the analysis and interpretation of historical documents, essay writing and in class discussion. The class will give students those experiences necessary for taking the AP exam in May, which may qualify the student for college credit.

Advanced Placement Economics

Course Number: 615A, 615B, & 615C  
Grades: 11-12  
Standard: NCAA  
Prerequisite: None

Credit: 1.5  
Homework Rating: High

AP Economics is a 3 trimester course designed to teach the principles of economics. This class will explore how the economy works and why people make the decisions that they do. Split into two parts, AP Economics allows students to take 2 different AP exams and earn up to 6 college credits. In the Macroeconomics portion of the course, we will explore the larger economy to understand how the government, banks, businesses, and other economic forces contribute to markets, effect prices, and impact trade and consumption. In the Microeconomics portion of the class, we will explore how and why businesses make specific decisions, how people evaluate how to use their resources, and how prices are determined. Overall, this course will give students a solid basis for understanding the world around them and how the economy works and the ability to talk about economic issues in an informed way.

History of Religions and Cultures

Course Number: 6091  
Grades: 10-12  
Standard: NCAA  
Prerequisite: None

Credit: .5  
Homework Rating: Medium-High

This class will survey themes in various religious traditions. The course studies how these religious traditions conceive of gods and world orders founders and saviors practice and communities. The course will look at their history and contemporary status. The class will also look at the Philosophies of life. Emphasis is placed on analysis and interpretation of documents, essay writing and in class discussion. The following topics will be covered in depth: Islam, Judaism, Christianity, Hinduism, Buddhism, and Myths and Personal Philosophies



Sociology

Course Number: 6100  
Grades: 10-12  
Standard: NCAA  
Prerequisite: None

Credit: .5  
Homework Rating: Medium

Sociology is the study of human beings in their group experiences from the viewpoints of the structure of the group and the function of the group. It is also how human behavior may be or is influenced by various groups. This course attempts to examine clearly and logically sociological problems, acquaint the student with contributions of social scientists to the study of human society, to help the student gain an understanding of his/her own group associations, to learn the terms and concepts necessary for a basic understanding of his/her own group associations, and to learn the terms and concepts expected for a basic understanding of the course.

United States History Through Film

Course Number: 6110  
Grades: 11-12  
Standard: NCAA  
Prerequisite: None

Credit: .5  
Homework Rating: Medium

This class covers major events and themes from United States history. Major social, political, cultural, and military topics will be covered through the use of film and supplemental readings. Historical accuracy's and inaccuracies will be discussed and studied. Major Hollywood productions and some lesser-known films will be used in this class. The class will be taught through film assignments, various readings, discussion, written exercises, and project presentations.

Introduction to Psychology

Course Number: 6130  
Grades: 11-12  
Standard: NCAA  
Prerequisite: None

Credit: .5  
Homework Rating: Medium-High

Introduction to Psychology is a broad survey of the field of psychology. The course includes such topics as learning, thinking, intelligence perception, creativity, developmental psychology, biological basis of behavior, emotions, states of consciousness, abnormal psychology, social psychology, personality theory and modern therapy. Techniques of psychological research will also be emphasized.

Global History from 1500-Present: KELLOGG COMMUNITY COLLEGE DUAL ENROLLMENT

Course Number: DE-HIST202  
Grades: 11-12  
Standard: NCAA Prerequisite:

Credit: 1 (Fall Semester)  
Homework Rating: Medium-High

An interdisciplinary study of various world civilizations in Africa, the Americas, Asia, and Europe from 1500 C.E. (Common Era) to the present. This course will use a comparative approach to study a variety of global themes and patterns over time.

# World Language

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## Spanish 1

Course Number: 404A & 404B  
Grades: 9-12  
Standard: NCAA  
Prerequisites: None

Credit: 1  
Homework Rating: Medium

A basic understanding of a second language can add to an individual's cultural development, as well as one's opportunities in today's global economy. The purpose of this class is to familiarize the student with the Hispanic culture and to help students gain mastery of the fundamental building blocks of the Spanish language through grammar and vocabulary. In Spanish I. Students will be introduced to the basic skills of a second language through listening, speaking, reading, and writing. An emphasis is placed on aural/oral skills through vocabulary study and correct pronunciation of simple dialogue and short phrases. Spanish culture is introduced in each lesson and is further emphasized through various media and student projects. By the end of Spanish 1, students should be able to maintain simple face-to-face conversations in predictable settings. Students will be able to create language by combining and recombining elements of learned materials.

## Spanish 2

Course Number: 405A & 405B  
Grades: 9-12  
Standard: NCAA  
Prerequisite: Successful completion of Spanish 1

Credit: 1  
Homework Rating: High

In Level 2 Spanish, the emphasis on oral communicative skills is continued. However, emphasis is now placed on more correct usage through more complete sentences. Also, there will be increased person-to-person communication. Students are encouraged to speak as much Spanish in class as possible. English will be used at a minimum. Complex verb tenses are introduced and strengthened through constant assessment. The reading and writing skills from Spanish I will be broadened. Hispanic culture will be further explored. Daily assignments will be required.

## Spanish 3

Course Number: 406A & 406B  
Grades: 10-12  
Standard: NCAA  
Prerequisite: A "C" average in level Spanish 2 and Teacher Signature

Credit: 1  
Homework Rating: High

Level 3 Spanish is designed to provide students with additional review and practice of previously learned structures before advancing to intermediate level grammar. Students will continue to refine their skills in the areas of speaking, writing and listening. Complex verb tenses are introduced and strengthened through constant assessment in verb quizzes that are more in depth. Finer points in grammar are introduced with a particular emphasis on the subjunctive mood. There is continued special study through World Language projects that research Hispanic authors and are presented in the target language. Short literary works will be covered. Daily assignments are required.

## Spanish 4

Course Number: 407A & 407B  
Grades: 10-12  
Standard: NCAA  
Prerequisite: A "C" average in Spanish III and Teacher Signature

Credit: 1  
Homework Rating: High

Speaking, listening, reading and writing correctly in Spanish are refined at this level. Students move from a previously structured use of the language to a more sophisticated use of their acquired skills. Students will also read and discuss short literary selections in Spanish. Students acquire skills in essay writing that are necessary tools for entry into AP Spanish. Verb assessments are increased in frequency and in number of verb tenses assessed. Daily assignments are required. The course is conducted completely in Spanish in the second trimester of Spanish IVB.

# Support Services

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The mission of GLCS is to educate every child to his or her full potential. National research indicates that approximately 80% of students are successful in performing to grade level content standards with general classroom instruction and materials. We also know that students do not come to us as “one size fits all” learners and have different learning styles and rates. GLCS utilizes the Response to Intervention (RTI) model which integrates assessment and intervention within a multi-level prevention system to maximize student achievement. Students identified as at-risk for poor learning outcomes may be provided with additional support through the classes listed below. These classes provide evidence-based interventions, in which the intensity and nature of these interventions will be adjusted according to a student’s responsiveness. Modifications can be made to the Michigan Merit Curriculum based on student needs.

## Learning Strategies 9-10

Course Number: 003A, 003B, & 003C  
Grades: 9-10  
Prerequisite: I.E.P. Recommendation

Credit: .5-1.5  
Homework Rating: Low

This course is for those students who need additional support in developing or maintaining academic related skills and will receive specific instruction in the areas identified on the students’ Individual Education Plans (IEP’s). Students will also participate in activities related to curriculum topics such as career exploration, enhancing learner behaviors, increasing self-advocacy skills, and transition planning. Additionally, students will also receive additional support with assignments and assessments from their other classes.

## Learning Strategies 11-12

Course Number: 005A, 005B, & 005C  
Grades: 11-12  
Prerequisite: I.E.P. Recommendation

Credit: .5-1.5  
Homework Rating: Low

This course is for those students who need additional support in developing or maintaining academic related skills and will receive specific instruction in the areas identified on the students’ Individual Education Plans (IEP’s). Students will also participate in activities related to curriculum topics such as employability skills, disclosure, and post-secondary transition planning while continuing to enhance/maintain learner behaviors and self-advocacy skills. Additionally, students will also receive additional support with assignments and assessments from their other classes.

## ALC- Alternative Learning Curriculum

Course Number: 007A, 007B, & 007C  
Grades: 9-12  
Prerequisite: I.E.P. Recommendation

Credit: .5-1.5  
Homework Rating: Low

These courses are designed to provide an alternative to the credit-based curriculum. Emphasis is on functional academics as well as skills needed for independent living.

## Guided Study

Course Number: 008A, 008B, & 008C  
Grades: 9-12  
Prerequisite: Counselor/Principal/504/CAT approval

Credit: .5-1.5  
Homework Rating: Low

This class is designed to help high school students experiencing academic difficulties. This is a guided instructional period where skills are taught, and students are given assistance to keep pace with their core class load. Guidance from teachers and peers will be promoted. Students will access online supports, and proper use of technology will be enforced.

## Peer to Peer/LINKS

Course Number: 5840  
Grades: 10-12  
Prerequisite: Coordinator/Counselor Approval

Credit: .5-1.5  
Homework Rating: Low

This class is a trimester elective course designed to facilitate awareness of individuals with special needs, the systems they require for placement in general education classes, and the benefits of peer-to-peer support in the least restrictive environment. LINKS students will be supporting peers with an Individualized Education Plan in a variety of settings at the teacher’s discretion. **Teacher recommendation required for student to have initial enrollment in the course. Course may be repeated with teacher recommendation.**

<b>Education for the Arts 2024-2025</b>	<b>Class Location</b>	<b>Michigan Merit Credit</b>
<b>DANCE</b>		
<b>Trimester Offerings</b>		
Beginning Dance Studio	Parchment High School	VPAA and PE (per school district)
<b>Full Year Offerings</b>		
Intermediate Dance Studio (prerequisites)	Kalamazoo Central High	VPAA and PE (per school district)
Intermediate Dance Studio (prerequisites)	Loy Norrix High School	VPAA and PE (per school district)
<b>MEDIA ARTS</b>		
<b>Full Year Offerings</b>		
3D Computer Animation/Game Design	Epic Center PMN	VPAA
Film and Video Arts & Adv FVA	Kalamazoo Central High	VPAA
<b>Semester Offerings</b>		
Digital PhotoArt	Online and Epic Center PMN	VPAA and online requirement
Digital StudioArt	Online and Epic Center PMN	VPAA and online requirement
<b>THEATRE AND MUSIC</b>		
<b>Full Year and Trimester Offerings</b>		
Advanced Musical Theatre Workshop	Portage Northern High	VPAA
Theatre Improv and Scriptwriting	Comstock High School	VPAA
Hip Hop 180	Loy Norrix High School	VPAA
<b>VISUAL ARTS</b>		
<b>Full Year Offering</b>		
Advanced Visual Arts Studio	Kal. Institute of Arts	VPAA
<b>Semester Offering - Evening</b>		
Visual Art Exploration	Kal. Institute of Arts	VPAA
<b>LITERARY ARTS</b>		
<b>Semester Offerings</b>		
Creative Writing Online	Online	VPAA
Comics, Manga, and Graphic Novel Arts	Online	VPAA
<b>DUAL ENROLLED PROGRAM: MEDIA ARTS</b>		
<b>Full Year Offering</b>		
KVCC Media Arts Sem 1: ANM 100 Adobe Creative Suite Sem 1: ART 103 Drawing and Composition Sem 2: ANM 142 Adobe PhotoShop Sem 2: ANM 143 Adobe Illustrator	KVCC Center for New Media	VPAA
<b>Semester Offerings</b>		
Music Studio	Epic Center	VPAA

**Education for the Arts  
2024-2025 Course Descriptions**

**Dance**

Course Title	Description
Beginning Dance Studio	Learn the basic elements and discipline of formal dance technique, exploring classical modern dance, ballet, jazz, hip hop, and cultural dance styles. Exploration of dance-related subjects will include movement improvisation, composition, and dance history. Students gain performance skills, learn how to choreograph their own dances and are required to participate in EFA dance concert at the end of each term. They will have the opportunity to take field trips to see live dance concerts and attend master classes. Students will work with professional dance educators and guest artists.
Intermediate Dance Studio	Intermediate Dance is for students who have completed a beginning EFA class, or have previous dance/movement experience, and are committed to a full year of dance instruction. Students will further their training through in-depth instruction and structured small group student exploration in formal dance technique, classical modern dance, ballet, jazz, hip hop, and cultural dance styles. Exploration of dance-related subjects will include movement improvisation, composition, and dance history. Students will gain performance, composition, and choreographic skills, develop observation, analysis, critical thinking, and reflection skills. Students will prepare and produce a dance presentation each trimester. The class will take field trips to professional dance concerts and work with master guest artists.
<b>Theatre and Performing Arts</b>	
Advanced Musical Theatre	Using a workshop approach, students will experience an in-depth study of musical theatre to enhance their appreciation of the genre and improve their practical performance skills in acting, vocal and dance performance. Mentored by theatre, vocal and dance educators and guest artists, students will explore, perform, and critique various aspects of musical theatre from the past to the present. Emphasis will be placed on creative and innovative approaches to performing works.
Theatre Improv and Scriptwriting	Through in-depth study and practice students will learn the basics of improvisation, writing, directing and acting for the stage, as well as integrating image and music into their own theatrical performances. Students work with practicing artists exploring different forms of theatre, from classical to contemporary. These experiences will inform the development of each student's distinct writing style. Students will participate in a minimum of two class performances and visit area theatres to experience a variety of stage productions.

Hip Hop 180	Activate your voice and amplify your vision through the power of performance rap/poetry, music, and movement. Dig into the history of Hip Hop culture and social justice leadership to build skills, decipher contexts, and determine truths. Then merge your artistic and activist knowledge and techniques to enact meaningful, positive social change in y(our) community.
<b>Literary Arts</b>	
Creative Writing Online Web Based	Through the study of written works in various forms and the regular practice of writing, students will achieve a better understanding of the creative writing process. Additionally, students will collaborate on a few projects, and will read and critique one another's work through small group workshops (held through discussion forums). Students will turn in four major creative writing assignments, regular creative writing exercises, three short reflections, a recording of student performing one of their assignments, and an online portfolio.
Comics, Manga and Graphic Novel Arts Web Based	Learn to write and produce compelling, artistic and inventive comics or manga, and Graphic Novels. Research the history of comics, study the elements of story, plot, and character development, and the productive use of imagery, layout, and composition. Work individually and collaboratively on projects and develop projects through manipulation and editing of found media and open-source graphics.
<b>Media Arts</b>	
Films and Video Arts	Film & Video Arts introduces students to the creation and study of time-based media in video and film. They work with the latest digital technology in creating a variety of works that help them mold and define their own personal visual style for innovative, artistic communication.
Advanced Video Arts Studio	AVAS is a project-based video class for 9-12 grade students who have already taken at least one semester of a video or TV production class. The class will concentrate on individual student films that will be used for portfolio work and entered into video competitions. Students will learn about lighting, sound, directing and advanced filming and editing techniques.
3D Computer Animation and Game Design	Introduction to the technical and creative fundamentals of 3D Animation software. Students will learn core concepts such as modeling, mapping, story board/scripting, and rendering. Students will create original characters and environment designs, animate characters in a game landscape, and design storyboards using gaming logic and strategies.

KVCC Media Arts	<p>Fall Semester: ANM 120: Creative Business Standards, MF and ANM 100 Adobe Creative Suite  Winter Semester: ANM 143 Adobe Illustrator, MF and ANM 142 Adobe Photoshop, TWR</p> <p>Create artworks using computers as tools and learn how art communicates emotions and ideas. Projects include digital photograph manipulation, art for the Internet, stereo 3D images, digital painting, and combining traditional media with new technologies.</p>
Digital StudioArt	<p>This class will introduce the basics of drawing and painting using digital means, in the process also giving them an introduction to the basics of digital imaging using Adobe Photoshop and Illustrator. The course is built around the core elements of visual art, such as line, shape, value, and color with an additional emphasis on learning and using the tools of imaging software.</p>
Digital PhotoArt	<p>This class will introduce, enhance and refine students' ability to express themselves with the aid of digital cameras. Students will learn proper photographic technique, computer enhancement of photos, printing and professional presentation techniques. Students will have many assignments ranging from core photography fundamentals to immersive pieces of personal expression. They will leave class with the beginnings of a portfolio and knowledge to continue and expand their work in the future.</p>

**Visual Arts**

Visual Arts Exploration	<p>Explore creating sculpture, photography, jewelry, painting and more at the Kalamazoo Institute of Arts. Work alongside practicing professional artists as they share their knowledge and expertise in art making.</p>
Advanced Visual Arts Studio	<p>Deepen your creativity and visual arts skills at the Kalamazoo Institute of Arts. Take advantage of the professional facilities, equipment, and master guest artists. This studio class offers advanced study in sculpture, oil painting, jewelry, photography, welding, printmaking, ceramics, and more. Develop a Visual Arts Portfolio and learn presentation skills to apply for college scholarships and student art shows.</p>

**Kalamazoo Countywide Career and Technical Education Courses (CTE) for Merit Academic Credit 2024-2025**

**Completion** of any state approved CTE program allows a student to substitute:

- **4th Related Math** (All CTE courses approved for 4<sup>th</sup> related math credit by Kalamazoo County Curriculum Coordinators starting in 2022-23.)
- **3<sup>rd</sup> Science Credit** (regardless of content)
- **One World Language Credit**
- Some CTE programs also allow for **Visual, Performing & Applied Arts** (see 3<sup>rd</sup> column below).

Completion means 2 full semesters except for those programs highlighted in **red** below which take 4 full semesters.

\*For a completer of in-house trimester programs– see instructor. One trimester does **not** indicate a completed program.

<b>Arts and Communications Pathway</b>	<b>Site</b>	<b>Visual, Performing &amp; Applied Arts</b>
Art and Design Career Skills	Kalamazoo Central High School	Yes
Media Production	Public Media Network/Epic Center	Yes
<b>Business, Management, Marketing and Technology Pathway</b>	<b>Site</b>	<b>Visual, Performing &amp; Applied Arts</b>
Accounting/Finance	Climax-Scotts, Galesburg-Augusta, *Gull Lake, *Kalamazoo Central, *Loy Norrix, Portage Central, Portage Northern, Schoolcraft, Vicksburg	
Banking & Finance	Galesburg-Augusta	
Business Administration, Management & Operations (Course names vary according to school districts)	Climax-Scotts, Galesburg-Augusta, *Gull Lake, *Kalamazoo Central, *Loy Norrix, *Parchment, Schoolcraft	Yes
Computer Science Software Engineering	Gull Lake	
Computer Science Principles (AP)	Vicksburg	
Culinary Arts	KVCC Culinary & Allied Health Campus	Yes
Information Technology	Loy Norrix	Yes
Marketing/Entrepreneurship	Climax-Scotts, Galesburg-Augusta, *Gull Lake, *Kalamazoo Central, *Parchment, Portage Central, Portage Northern, Vicksburg	Yes
Web Design/Graphics	*Gull Lake, Portage Northern	Yes
<b>Engineering, Manufacturing, Industrial Technology Pathway</b>	<b>Site</b>	<b>Visual, Performing &amp; Applied Arts</b>
Automotive Technology	Comstock, Loy Norrix	
Aviation Technology	Kalamazoo Air Zoo	
Computerized Manufacturing	Vicksburg	Yes
Construction Trades	Loy Norrix and construction site	Yes
Electronics & Robotics	Kalamazoo Central	Yes
Engineering in Wood Technology	Portage Northern	Yes
Mechatronics	Vicksburg	Yes
Welding	KVCC-Texas Township Campus	Yes
<b>Health Sciences Pathway</b>	<b>Site</b>	<b>Visual, Performing &amp; Applied Arts</b>
Certified Nursing Assistant (CNA)	KVCC-Groves Campus	
Dental Assisting	KVCC-Texas Township Campus	
Emergency Medical Technician (EMT)	KVCC-Texas Township Campus	
Health Science	KVCC-Texas Township Campus	
<b>Human Services Pathway</b>	<b>Site</b>	<b>Visual, Performing &amp; Applied Arts</b>
<b>Cosmetology/Barbering</b>	West MI College of Barbering & Beauty	Yes
<b>Law Enforcement</b>	KVCC-Texas Township Campus	
Teacher Academy	Gull Lake, Loy Norrix, Portage Northern	Yes
<b>Natural Sciences &amp; Agri-Science Pathway</b>	<b>Site</b>	<b>Visual, Performing &amp; Applied Arts</b>
Agri-Science: Animals and Plants	Vicksburg	
Conservation Biology	Kalamazoo Nature Center Heronwood Field Station	
Horticulture	Vicksburg	
Veterinary Science	Vicksburg	
Wildlife & Natural Resources	Vicksburg	



**Education for Employment  
2024-2025 Course Descriptions**

**ARTS AND COMMUNICATION PATHWAY**

COURSE TITLE	DESCRIPTION
Art & Design Career Skills	<p>This course allows students to explore and perfect skills in various art media, use professional quality art materials, work on Macintosh computers and tablets, and learn the Adobe Creative Suite programs including Photoshop, Illustrator, and InDesign. Students will attend trips to art exhibitions and performances, design firms and school of art tours. Students will research various post-secondary programs and careers in commercial art and design, which may include animation, digital art, fashion design, graphic design, interior design, photography, printmaking, visual art and more. Designers working in the industry, as well as representatives from post-secondary institutions will visit the classroom to consult with students. Students will create a resume, assemble a professional portfolio, and attend a portfolio review in preparation for college admissions and internships. This class may be taken for multiple years.</p> <p>*Potential for articulated credits with Davenport University, Ferris State University, Kalamazoo Valley Community College            *2nd World Language Credit            *3rd Science Credit            *4th Related Math            *Visual Performing &amp; Applied Arts Credit            This is an Early/Middle College eligible program.</p>
Media Production	<p>This course is ideal for students who want to learn how to create media content using visual, audio, graphic and storytelling production techniques for internet, podcasting, television, and film. Students will gain work experience in such skills as video editing, audio production, video composition, graphic design, effective communication and more. This class provides students with the opportunity to enter local and national competitions as well as airing student work on Public Media Network stations.</p> <p>*Potential for articulated credits with Kalamazoo Valley Community College            *2nd World Language Credit            *3rd Science Credit            *4th Related Math Credit            *Visual Performing &amp; Applied Arts Credit</p>

**BUSINESS, MANAGEMENT, MARKETING AND TECHNOLOGY PATHWAY**

COURSE TITLE	DESCRIPTION
Accounting I	See GLHS course description
AP Computer Science Principles	<p>AP Computer Science Principles is an introductory college-level computing course. Students cultivate their understanding of computer science through working with data, collaborating to solve problems, and developing computer programs as they explore concepts like creativity, abstraction, data and information, algorithms, programming, the internet, and the global impact of computing.</p> <p>*Potential for articulated credits not yet developed            *2nd World Language Credit            *3rd Science Credit            *4th Related Math Credit</p>

Banking and Finance	<p>This course provides students with a background in customer service, personal finance, budgeting, investment planning, and business financial management. Students gain exposure to the various career options in the field. They learn how the financial decisions that they make today affect their future.</p> <p>*Potential for articulated credits with Davenport University  *2nd World Language Credit  *3rd Science Credit  *4th Related Math Credit</p>
BMA: Business Administration Management and Operations I	See GLHS course description for Entrepreneurs and Business Leaders
Computer Science Software Engineering	See GLHS course description
Culinary Arts	<p>This program provides students with the opportunity to learn about the restaurant and food service industry. The curriculum, ProStart, was created by the National Restaurant Association and complies with all State standards. Students learn basic food preparation and explore different fields of the culinary trade. Instruction and learning activities are provided in a food lab using hands on experiences. The curriculum includes, but is not limited to, front-of-the-house duties, as well as back-of-the-house duties. Additional activities provide instruction in a wide range of topics from management and employability skills to catering. Students participate in culinary competitions and acquire industry recognized certifications needed to succeed in the industry and post-secondary education.</p> <p>*Potential for articulated credits with Baker College, Davenport University, Ferris State University, Kalamazoo Valley Community College  *2nd World Language Credit  *3rd Science Credit  *4th Related Math Credit  *Visual Performing &amp; Applied Arts Credit  This is an Early/Middle College eligible program.  Credential options: ServSafe Allergen, Handler, and Manager</p>
Information Technology I	<p>Students enrolled in this program will be exposed to numerous Information Technology specialty areas. Students will learn about hardware, Windows and Linux operating systems, printers, scripting, networking, security, and troubleshooting. Students that excel at the content can take electives to earn additional credentials in Amazon Web Services (AWS) or EC-Council's Digital Forensic Essentials.</p> <p>*Potential for articulated credits with Baker College, Davenport University, Kalamazoo Valley Community College  *2nd World Language Credit  *3rd Science Credit  *4th Related Math Credit  This is an Early/Middle College eligible program.  Credential options: IT Fundamentals and CompTIA Network+</p>

Information Technology II	<p>Students returning for second year of Information Technology will take a deeper dive into opportunities, work semi-independently and focus on one or more of following areas of IT: networking, cybersecurity, servers, or Linux.</p> <p>Networking: Before you can secure a network, you need to understand how it works. Topics include Switching &amp; Routing, Network Address &amp; Services, Specialized Networking, Hardening &amp; Update management, Wide Area Network, Optimization &amp; Troubleshooting. Cybersecurity: Once a student understands how a network works it can be secured. Topics include threats, attacks &amp; vulnerabilities; identity, access, &amp; account management; incident response; forensics &amp; recovery; virtualization; cloud &amp; Mobile Devices, and more. Servers: The course is designed to prove proficiency in the skills required to administer Windows Server, including installation and implementation of storage solutions, Hyper-V, and Windows containers; networking with DNS, DHCP, IP address management, and advanced infrastructure; and administration of Active Directory Domain Services, group policy, Nano Server, and more. Linux: Linux is everything from cars and smartphones to servers and supercomputers, as a vast number of enterprises use Linux in cloud, cybersecurity, mobile and web administration applications.</p> <p>*Potential for articulated credits with Baker College, Davenport University, Kalamazoo Valley Community College  *2nd World Language Credit  *3rd Science Credit  *4th Related Math Credit  This is an Early/Middle College eligible program.  Credential Options: CompTIA Network+, Cisco CCNA, CompTIA Security+, EC-Council's Network Defense</p>
Marketing	See GLHS course description
Web Design/Graphics	See GLHS course description for Digital Media, Art, and Web Design

**ENGINEERING/MANUFACTURING AND INDUSTRIAL TECHNOLOGY PATHWAY**

COURSE TITLE	DESCRIPTION
Automotive Technology	<p>This National Institute for Automotive Service Excellence (ASE) certified program covers these areas of automotive service: engine, brakes, electrical &amp; electrical systems, steering &amp; suspension, auto &amp; manual transmissions, and air conditioning. Students may have the opportunity to become state certified, as well as to earn credit towards completion of an associate degree or other post-secondary training. Students may take this course for two years.</p> <p>*Potential for articulated credits with Baker College, Kalamazoo Valley Community College, University of Northwest Ohio            *2nd World Language Credit            *3rd Science Credit            *4th Related Math Credit            *Algebra II Credit option</p> <p>This is an Early/Middle College eligible program.            Credential options: Automotive Service Excellence (ASE) Entry-Level Maintenance and Light Repair (MLR), ASE Entry-Level Brakes, ASE Entry-Level Steering and Suspension</p>
Aviation Technology	<p>Students in this course are dually enrolled and can earn college credit through Kellogg Community College (KCC) in addition to high school credit. The KCC aviation coursework is part of a bridge agreement with Western Michigan University, College of Aviation and is delivered as on-line courses. Instructional support is provided by CTE to ensure student success at the college level. This program is designed to introduce students to many aspects of the aviation industry and is intended for students with an interest in pursuing any career related to aviation. Students will develop a broad knowledge base in subject areas ranging from evolution of airplanes and commercial aviation, flight operations, weather, airspace, navigation, regulations, and aircraft systems. Students can interact with industry experts and visit leaders in the field of aviation for career exploration. The program will feature many hands-on labs. Students may take this course for two years.</p> <p>*Potential for articulated credits with Northwestern Michigan College            *Dual Enrollment at Kellogg Community College with bridge agreement to WMU-College of Aviation            *2nd World Language Credit            *3rd Science Credit            *4th Related Math Credit</p>

Computerized Manufacturing	<p>This course provides training in computer-aided design and computer manufacturing systems using CAD software, SolidWorks, Mastercam and KeyCreator. It also features demonstrations and maximizes student laboratory work. Students gain employability skills such as planning, organizing and decision-making skills. Paid work-based learning opportunities with local manufacturers are available to second-year students. Computerized Manufacturing prepares students for immediate employment, advanced schooling and/or apprenticeship opportunities with local area employers. Students may take this course for two years.</p> <p>*Potential for articulated credits with Kalamazoo Valley Community College  *2nd World Language Credit  *3rd Science Credit  *4th Related Math Credit  *Visual Performing &amp; Applied Arts Credit  This is an Early/Middle College eligible program.</p>
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Construction Trades	<p>This course exposes students to many aspects of the new construction and revitalization industry including site layout, carpentry, electrical, masonry, plumbing, tile setting, HVAC, painting, and other construction skill areas. Both male and female students will enjoy the hands-on training experience in remodeling and/or new construction of a home that this course has to offer. Classroom training is also a vital component of the class. Students interested in this course should understand basic concepts of measurement and mathematics and be able to work indoors or outdoors. Students may take this course for two years.</p> <p>* This program is a partnership with Kalamazoo Valley Habitat for Humanity.  *Potential for articulated credits with Baker College, Kalamazoo Valley Community College  *2nd World Language Credit  *3rd Science Credit  *4th Related Math Credit  *Visual Performing &amp; Applied Arts Credit  Credential option: <a href="#">United Brotherhood Career Connections</a></p>
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Electrical Technology	<p>Students in this course are dually enrolled and can earn college credit through Kalamazoo Valley Community College. Students will need to meet the college's entrance expectations, as well as having their schedule open to extended class times and the college's calendar. This course provides instruction and training in the areas of applied electricity, residential wiring and code, and safety and first aid. Students will learn basic electrical theory and practices as well as wiring theory and gain lab experience. Upon successful completion of this course, the student should have the knowledge and ability to wire a residence according to the national electrical code. Throughout the program, students gain valuable practical experience working on residential, commercial, and industrial wiring. Students interested in this class should enjoy working with mathematical formulas and algebraic concepts.</p> <p>*Dual enrollment at Kalamazoo Valley Community College - 6 College Credits  *2nd World Language Credit  *3rd Science Credit  *4th Related Math Credit</p>
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<p>Electronics and Robotics</p>	<p>This is an excellent course for students to use their creativity to solve problems and figure out how things work. A hands-on approach will introduce students to concepts and skills in current and emerging technical fields. The course features high-tech equipment and programs in a student-centered classroom. Projects challenge and engage students' minds to provide a solid foundation that could launch them into engineering or other high-tech careers such as alternative energies, robotics and automated systems, optics, biomedical, and nanotechnology Students may take this course for two years.</p> <p>*Potential for articulated credits with Baker College, Kalamazoo Valley Community College *2nd World Language Credit *3rd Science Credit *4th Related Math Credit *Visual Performing &amp; Applied Arts Credit</p>
<p>Engineering in Wood Technology</p>	<p>Engineering in Wood Technology is a course that covers the rudimentary techniques of woodworking and cabinetmaking in relation to industry. This class provides true differentiated training for the real-world of manufacturing and industry, with student directed studies ranging from areas of programming and operation of CNCs, laser engraving and even 3D printing technologies to rustic woodworking using traditional tools such as Japanese pull saws. This course offers higher-level training in management and student leadership via a complex student-run student-led class structure. Students will have the opportunity to explore career paths related to the woodworking and construction industries.</p> <p>*Potential for articulated credits with Michigan Career &amp; Technical Institute *2nd World Language Credit *3rd Science Credit *4th Related Math Credit *Visual Performing &amp; Applied Arts Credit</p>
<p>Heating, Ventilation &amp; Air Conditioning</p>	<p>Students in this course are dually enrolled and can earn KVCC college credit in addition to high school credit. Students will need to meet the college's entrance expectations, as well as having their schedule open to extended class times and the college's calendar. This course provides instruction and training in the areas of heating, ventilation, air conditioning and refrigeration as well as the design, installation, and servicing of HVAC/R systems. HVAC prepares students for a technical career upon completion.</p> <p>*Dual Enrollment at Kalamazoo Valley Community College - 12 College Credits *2nd World Language Credit *3rd Science Credit *4th Related Math Credit</p>
<p>Mechatronics</p>	<p>Electronics and mechanical components work together to make up complex systems from a car to a robot to automation lines. Mechatronics students learn to design, build, program, and troubleshoot electro-mechanical systems using the principles of mechanics, electronics, and computer science. Students learn about electronics, robotics, equipment controls and sensors, programming, hydraulics/pneumatics, CAD/CAM, basic machining, and CNC.</p> <p>*Potential for articulated credits with Baker College *2nd World Language Credit *3rd Science Credit *4th Related Math Credit *Visual Performing &amp; Applied Arts Credit</p>

Welding	<p>Students in this course are dually enrolled and can earn college credit from Kalamazoo Valley Community College in addition to high school credit. Students will need to meet the college's entrance expectations, as well as having their schedule open to extended class times and the college's calendar. Students learn to weld with the most advanced welding processes used today. Content includes the basic safe operation of the ox-fuel welding, cutting and brazing systems. Students also receive training in the basic electric arc welding processes, SMAW (arc), GMAW (mig), and equipment setup, selection and operation. Blueprint reading for welders, welding symbols and basic welder's trade math are included to prepare the student for employment in the welding trade.</p> <ul style="list-style-type: none"><li>*Dual Enrollment at Kalamazoo Valley Community College - 6 College Credits</li><li>*2nd World Language Credit</li><li>*3rd Science Credit</li><li>*4th Related Math Credit</li><li>*Visual Performing &amp; Applied Arts Credit</li></ul> <p>This is an Early/Middle College eligible program.</p>
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## HEALTH SCIENCES PATHWAY

COURSE TITLE	DESCRIPTION
Certified Nursing Assistant (CNA)	<p>Learn to care for patients in a caring and compassionate manner. Students first learn patient care techniques in a simulated lab environment, followed by a clinical rotation at a long-term care facility. This program is designed to introduce students to the fundamentals of health care, core skills, and health care professional behavior. Upon completion of the program, students are offered study and practice sessions to prepare for the state of Michigan competency exam. Once prepared, students will take the Michigan Nurse Aide Competency Evaluation which includes skills and knowledge tests.</p> <p>*2nd World Language Credit            *3rd Science Credit            *4th Related Math Credit            Credential option: CNA certificate</p>
Dental Assisting	<p>Students choosing this program will be dual enrolled through Kalamazoo Valley Community College (KVCC) and can earn both high school and college credit for the course. Students will need to meet the college's entrance expectations, as well as having their schedule open to extended class times and the college's calendar. Enrollment in the CTE Dental Assisting program begins a preferred relationship with the KVCC Dental Hygiene program that could later benefit a student's acceptance into the KVCC program. The course prepares students to become dental assistants. Students will learn the fundamental knowledge and skills of dental anatomy, physiology, terminology, dental materials, chairside assisting, sterilization, radiology, laboratory, and clinical procedures. Second semester incorporates an internship held in KVCC's Dental clinic and local dental offices.</p> <p>*Dual enrollment at Kalamazoo Valley Community College - 7 college credits            *2nd World Language Credit            *3rd Science Credit            *4th Related Math Credit            Credential options: American Heart Association Safety, First Aid and Basic Life Support (BLS), radiography certification</p>
Emergency Medical Technician	<p>Students in this class are dual enrolled and can earn both high school and college credit. Students will need to meet the college's entrance expectations, as well as having their schedule open to extended class times and the college's calendar. EMT (Emergency Medical Technician) consists of a sequence of KVCC courses. Each course is a pre-requisite to the next course. Basic EMT provides students with instruction in basic emergency medical technology. The EMT course is a study of the topics and skills necessary to make lifesaving interventions and stabilize patients during transport to a medical facility. The course involves lecture and practical skills labs and introduces the clinical component of EMT education, the minimum level of training required for work on a transporting ambulance. Second semester students will complete clinical hours with a local ambulance service and healthcare agencies.</p> <p>*Dual enrollment at Kalamazoo Valley Community College - 10 college credits            *2nd World Language Credit            *4th Related Math Credit            *3rd Science Credit            This is an Early/Middle College eligible program.</p>



Health Science	<p>This course introduces the student to health care, with an emphasis on core skills and knowledge applicable to many professional health care disciplines. The curriculum integrates anatomy and physiology, medical terminology, and basic care skills through practical applications found in the health care setting. Students should enjoy working at a fast pace and be considering a healthcare career requiring a minimum of four years of post-secondary education.</p> <p>*Embedded dual enrollment credit at Kalamazoo Valley Community College  *Potential for articulated credits with Baker College, Davenport University, Ferris State University, Kalamazoo Valley Community College  *2nd World Language Credit  *3rd Science Credit  *4th Related Math Credit  Credential options: Basic Life Support (BLS)</p>
Professional Health Science	<p>Professional Health Science provides advanced training and experience in the healthcare field. The course includes internship experiences and enrollment in advanced skill mini courses such as phlebotomy, electrocardiography, patient care assistance, and exercise science/sports medicine. Students successfully completing medical terminology instruction will receive college credit. This second-year course represents the most advanced level of study in the health science program. Students applying to the program must meet specific achievement and performance prerequisites within either Health Science or Fundamentals of Health Science before gaining admission.</p> <p>*Embedded dual enrollment credit at Kalamazoo Valley Community College  *Potential for articulated credits with Baker College, Davenport University, Ferris State University, Kalamazoo Valley Community College  *2nd World Language Credit  *3rd Science Credit  *4th Related Math Credit  Credential option: Certified Patient Care Technician (CPCT)</p>

**HUMAN SERVICES PATHWAY**

COURSE TITLE	DESCRIPTION
Cosmetology or Barbering	<p>This is a state-certified program of instruction designed to prepare students to become a licensed professional cosmetologist or barber. Michigan's cosmetology course includes 1,500 clock hours (barbering includes 2,000) of mandatory attendance. To complete this requirement, students must be committed to attending the program during an extended day all through their junior and senior years and the summer that falls between. Students not meeting this requirement during their CTE enrollment will need to complete the program at their own expense. Upon successful completion of this prerequisite, students will be prepared to take their Michigan State Board Exam.</p> <p>Cosmetology/Barbering Licensure  *Potential for articulated credits with Davenport University, Ferris State University  *2nd World Language Credit  *3rd Science Credit  *Visual Performing &amp; Applied Arts Credit  *4th Related Math Credit  Credential options: State of Michigan Cosmetology or Barbering Licensure</p>

Law Enforcement I	<p>Law Enforcement I introduces students to the many different careers available within the field. The program emphasizes the knowledge, skills, and ethics needed to be a successful police/fire academy recruit. Areas of study include criminal law, patrol procedures, fire ground operations, first aid/CPR/AED certifications, defensive tactics, crime scene investigation, and oral &amp; written communication skills. The program follows MCOLES (Michigan Commission on Law Enforcement Standards) and police academy standards, as well as current college curriculum.</p> <p>*Potential for articulated credits with Baker College, Davenport University, Kalamazoo Valley Community College  *2nd World Language Credit  *3rd Science Credit  *4th Related Math Credit</p>
Law Enforcement II	<p>Law Enforcement II deepens students' understanding of criminal procedures and improves their written and oral communication skills. Eligible students will intern with local public safety agencies during second semester, applying the knowledge, skills, and ethics learned to real world situations.</p> <p>*Potential for articulated credits with Baker College, Davenport University, Kalamazoo Valley Community College  *2nd World Language Credit  *3rd Science Credit  *4th Related Math Credit</p>
Teacher Academy	<p>Discover the rewards and joys of teaching! The Teacher Academy is designed to introduce students to various careers in the field of education. Students will gain hands-on experience working in a pre-kindergarten, elementary or middle school classroom four days per week throughout the school year. In addition, students will learn the necessary background knowledge of child development and principles of effective teaching through a hybrid program of learning which includes weekly online learning, class meetings, extended research projects, field trips, and interviews. Students work under the joint direction of an CTE instructor and an expert teacher in their area of interest as they learn to plan and direct instruction for individuals and groups, develop materials, assist with record keeping and complete other responsibilities of teachers and other school personnel. Students may take this course for one or two years.</p> <p>*Potential for articulated credits with Baker College, Central Michigan University, Ferris State University, Saginaw Valley State University, Western Michigan University  *2nd World Language Credit  *3rd Science Credit  *Visual Performing &amp; Applied Arts Credit  *4th Related Math Credit  Credential option: Child Development Associate (CDA)</p>

**NATURAL RESOURCES AND AGRISCIENCE PATHWAY**

COURSE TITLE	DESCRIPTION
Agriscience: Animals and Plants	<p>Interested in growing plants? Want to know about and do more with animals? Interested in natural resources? This is a year-long, hands-on course that allows you to do it all. One semester is spent learning about plants: how to grow them, how they work, and how they feed the world. Students learn about plants and their relationship and importance to people. Students also study plant classification, cell structure, plant parts and functions, plant processes, plant nutrition and soils. The other semester is based upon animals--all kinds of animals. Students learn about basic biology, behavior, care, and handling of a broad range of species. Students study domestic livestock production, animal health and nutrition, animal genetics and reproduction, and animal anatomy and physiology. Students study the selection, breeding, feeding, care, and marketing of animals, as well as the role of pets and other animals and their interactions with humans.</p> <p>*Potential for articulated credits with Davenport University            *2nd World Language Credit            *3rd Science Credit            *4th Related Math Credit</p>
Conservation Biology	<p>This program introduces students to the exciting careers in Natural Resource Conservation and Wildlife Biology. This laboratory/field-based course involves hands-on learning of ecological science, animal, and plant studies (i.e., behavior, identification), job shadowing and field trips. This course will have special emphasis on skills and technology used in this profession. Students will have direct contact with natural resource conservationists and wildlife biologists in this field of study. They will attain the skills necessary to obtain employment in various careers in Natural Resource Conservation and Wildlife Biology.</p> <p>*Potential for articulated credits with Davenport University            *2nd World Language Credit            *3rd Science Credit            *4th Related Math Credit</p>
Horticulture	<p>Do you like to grow plants? Want to try your hand at it? This year-long class allows students to explore plant biology and classification, plant nutrition, soil quality, water quality and many other plant-related questions. Projects include landscape design, experimenting with soil types, pest control, and managing all facets of an entrepreneurial spring plant sale to cap off the year. Students will discuss the horticulture and landscaping industry (greenhouse, ornamental horticulture, hydroponics, etc.) and its importance to our economy. Students work in the greenhouse, school garden, and local food forest, and grow plants for themselves and for sale.</p> <p>*Potential for articulated credits with Kalamazoo Valley Community College            *2nd World Language Credit            *3rd Science Credit            *4th Related Math Credit</p>
Veterinary Science	<p>During the first semester, students will focus on anatomy, medical terminology, hematology, animal breeds, animal health and care, restraint and handling, veterinary lab procedures and parasitology. The second semester will combine continued classroom instruction on specific skills with internships in local veterinary clinics. This program will introduce students to and help prepare students for various jobs in the field of veterinary medicine.</p> <p>*Potential for articulated credits with Davenport University, Michigan State University            *2nd World Language Credit            *3rd Science Credit            *4th Related Math Credit            Credential option: Certified Veterinary Assistant (CVA) Texas Veterinary Medical Association</p>

# Summary of Course Offerings

(Number of Credits Per Class in Parentheses)

## Specialized Courses

- #0009 Freshmen Seminar (.25)
- #0010 Sophomore Seminar (.25)
- #0011 Junior Seminar (.25)
- #0012 Senior Seminar (.25)
- #1001 Test Prep (.5)

## Applied Technology

- #5010 Woodworking Technology I (.5)
- #5030 Advanced Woodworking Technology (.5)
- #5040 Technical Drawing I (.5)
- #505A/B Technical Drawing II (1)

## Business and Technology

- #103A/B Digital Media, Art & Web Design I (1)
- #105A/B Accounting I (1)
- #1070 Introduction to Business (.5)
- #109A/B Entrepreneurs and Business Leaders (1)
- #111A/B Marketing (1)
- #7110 Personal Finance for Everyday (.5)
- #7120 Personal Finance Long Term Planning (.5)
- #114A/B/C CTE Work Based Learning (.5-3)
- #1101 Introduction to Computer Science (.5)
- #1102A/B Computer Science Software Engineering (1)
- #1103 Career and College Readiness (.5)
- #1106 Computer Science Research & Development (.5)
- #1107A/B Advanced Computer Science (1)
- #1108A/B Cybersecurity (1)
- #1160A/B/C Computer Science Independent Cert (1.5)
- #1109A/B/C Advanced Cybersecurity Essentials

## English Language Arts

- #201A/B English 9 (1)
- #202A/B English 10 (1)
- #203A/B English 11 (1)
- #204A/B English 12 (1)
- #205A/B/C AP Language and Composition (1.5)
- #206A/B/C AP English Literature and Composition (1.5)
- #2070 Debate (.5)
- #2080 Speech (.5)
- #214A/B/C Yearbook/Publications (1.5)
- #215A/B/C Yearbook Editor (1.5)
- #2140 Creative Writing (.5)

## Family and Consumer Sciences

- #5200 Parenting and Child Development (.5)
- #5210 Interpersonal Relationships (.5)
- #5230 Foods and Nutrition (.5)
- #5240 Independent Living (.5)

## Fine and Performing Arts

- #301A/B/C Choir (1.5)
- #3020 Marching Band (.5)
- #303A/B Concert Band (1)
- #304A/B Symphonic Band (1)
- #305A Jazz Band (.5)
- #3060 Beginning Guitar (.5)
- #3130 Stagecraft and Theatre Design (.5)
- #3110 Introduction to Acting (.5)
- #3140 Oral Traditions (Storytelling) (.5)
- #3190 Improvisation and Sketch Comedy (.5)
- #3193 Creative Development (.5)
- #3195 Theatrics (.5)
- #3160 Advanced Acting (Formerly Adv Theatre Studio) (.5)
- #3200 Art 1 (Formerly Principles of Art and Design) (.5)
- #3210 Drawing & Painting (Art 2D) (.5)
- #3230 Sculpture & Ceramics (Art 3D) (.5)
- #3250 Studio Art (.5)
- #3270 Art Experience as Therapy: Peer to Peer Exp (.5)

## Mathematics

- #701A/B /C Algebra (3-Tri) (1.5)
- #702A/B Algebra (1)
- #703A/B Plane Geometry (1)
- #705A/B Concepts of Geometry (1)
- #704A/B Data Analysis and Algebra 2(1)
- #713A/B Concepts of Data Analysis and Algebra 2 (1)
- #7050 Trigonometry (.5)
- #706A/B Precalculus (1)
- #707A/B/C AP Calculus (1.5)
- #709A/B/C AP Statistics (1.5)
- #7180 Math for Success (.5)

## Physical Education / Health

- #8010 Health (.5)
- #8020 Introduction to Fitness (.5)
- #8040 Lifetime Sports (.5)
- #8050 Strength and Conditioning (.5)
- #8060 Advanced Physical Education (.5)
- #8090 Introduction to Fencing (.5)

## Science

- #902A/B Concepts of Biology (1)
- #903A/B Biology (1)
- #904A/B Concepts of Physics (1)
- #905A/B Physics (1)
- #906A/B Concepts of Chemistry (1)
- #907A/B Chemistry (1)
- #9120 Environmental Issues (.5)
- #9170 Anatomy and Physiology (.5)
- #9180 Forensic Science (.5)
- #919A/B Earth and Space Science (1)
- #913 A/ B/ C AP Physics 1 (1.5)
- #914 A/B/C AP Biology (1.5)
- #915 A/B/C AP Chemistry (1.5)

Link for Yearbook application

<https://docs.google.com/forms/d/1GpNYuN2Dkh8bqKdg3uvhBSem6iKFGENjQs8ZXzsf-SM/prefill>

# Summary of Course Offerings

(Number of Credits Per Class in Parentheses)

## Social Studies

#601A/B Civics (1)  
#602A/B US History and Geography (1)  
#603A/B World History and Geography (1)  
#6070 Economics (.5)  
#605A/B/C AP U.S. History (1.5)  
#606A/B/C AP World History (1.5)  
#615A/B/C AP Economics (1.5)  
#6091 History of Religions and Cultures (.5)  
#6100 Sociology (.5)  
#6110 US History Through Film (.5)  
#6130 Introduction to Psychology (.5)  
#DE-HIST202 KCC Global History 1500 (1.0)

## World Languages

#404A/B Spanish 1(1)  
#405A/B Spanish 2 (1)  
#406A/B Spanish 3 (1)  
#407A/B Spanish 4 (1)

## Support Services

#003A/B/C Learning Strategies 9-10 (.5-1.5)  
#005A/B/C Learning Strategies 11-12 (.5-1.5)  
#007A/B/C Alternative Learning Curriculum (.5-1.5)  
#008A/B/C Guided Study (.5-1.5)  
#5840 Peer to Peer/LINKS (.5)

## EFA and CTE PROGRAMS

### Arts & Communication Pathway (EFA)

#3561 Creative Writing Online (.5)  
#3684 Comics, Manga, Novel Online (.5)  
#3565 Digital StudioArt (.5)  
#3566 Digital PhotoArt (.5)  
#3610 Advanced Musical Theatre Workshop (3)  
#3691 Beginning Dance Studio (3)  
#3630 Intermediate Dance Company (3)  
#3641 KVCC Media Arts (3)  
#3650 Film and Video Arts (3)  
#3651 Advanced Video Arts (3)  
#3660 Theatre Improv & Scriptwriting (3)  
#3688 Hip Hop 180 (3)  
#3689 Advanced Visual Art Studio (3)  
#3690 Visual Art Exploration (Night) (1)

### Arts and Communication Pathway (CTE)

#5500 Art & Design Career Skills (3)  
#5511 Media Production (3)  
#3687 3D Computer Animation/Game Design (3)

### Business Management, Marketing, and Technology (CTE)

#5820 Banking and Finance (3)  
#5570 Culinary Arts (3)  
#5560 Information Technology I (3)  
#5561 Information Technology II (3)  
#5889 AP Computer Science Principles

### Engineering/Manufacturing & Industrial Tech (CTE)

#5590 Automotive Technology I, II (3)  
#5600 Aviation Technology I, II (3)  
#5670 Computerized Manufacturing (3)  
#5610 Construction Trades (3)  
#5630 Electrical Technology (3)  
#5640 Electronics and Robotics (3)  
#5641 Mechatronics (3)  
#5650 Engineering in Wood Technology (3)  
#5660 Heating, Ventilation & Air Conditioning (3)  
#5680 Welding (3)

### Health Sciences Pathway (CTE)

#5700 Dental Assisting (3)  
#5710 Emergency Medical Technician (3)  
#5721 Certified Nursing Assistant (2)  
#5730 Health Science (3)  
#5740 Professional Health Science (3)

### Human Services Pathway (CTE)

#5750 Cosmetology/Barbering (3)  
#5770 Law Enforcement I (3)  
#5780 Law Enforcement II (3)  
#5790 Teacher Academy (1.5)

### Natural Resources & Agriscience Pathway (CTE)

#5884 Agriscience Animals and Plants (3)  
#5810 Veterinary Science (3)  
#5880 Conservation Biology (3)  
#5885 Horticulture (3)

## ADDITIONAL PROGRAMS

Kalamazoo Area Mathematics and Science Center

#5900 KAMSC AM (4.5)  
#5901 KAMSC PM (4.5)

Academically Talented Youth Program

#5999 ATYP (1.5)

Dual Enrollment

#600A/B/C Dual Enroll (1.5)

Gull Lake Virtual Learning

#690A/B/C Virtual (.5-1.5)

Link for CTE and EFA application:

<http://studentapplication.swmitech.org/>

UN: hsstudent  
PW: #Kresa10

IT IS THE POLICY OF GULL LAKE COMMUNITY SCHOOLS THAT NO PERSON ON THE BASIS OF RACE, COLOR, RELIGION, NATIONAL ORIGIN OR ANCESTRY, AGE, GENDER, MARITAL STATUS OR HANDICAP, WILL BE DISCRIMINATED AGAINST, EXCLUDED FROM PARTICIPATION IN, DENIED THE BENEFITS OF, OR OTHERWISE BE SUBJECTED TO, DISCRIMINATION IN ANY PROGRAM OR ACTIVITY TO WHICH IT IS RESPONSIBLE, OR FOR WHICH IT RECEIVED FINANCIAL ASSISTANCE FROM THE MICHIGAN DEPARTMENT OF EDUCATION.