# COURSE OF STUDY

# for

# Parchment High School

# 2023-2024

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Dear Parchment High School Students and Parents:

The selection of an academic program for the next school year is an extremely important time in a student's school career. We have found that careful planning by students and parents, coupled with the knowledgeable guidance of a counselor and teachers, has a positive effect upon academic success.

This booklet is designed to serve as a guide to planning individual programs of study at Parchment High School. Please read it carefully. It contains a summary of all courses that are being offered for the 2023-2024 school year, arranged by department. Students will meet with their counselor to register their choices.

**STUDENTS MUST GIVE CAREFUL CONSIDERATION TO THEIR CHOICES, AS SCHEDULE CHANGES WILL ONLY BE MADE IF A CONFLICT IN THE SCHEDULE ARISES.**

Our counselors are ready to help with any questions you may have regarding course content and sequence, prerequisites, graduation requirements, career planning and/or college applications. Please do not hesitate to seek the assistance you may need. You may contact the High School by calling (269) 488-1100.

Best wishes for a successful 2023-2024 school year.

Sincerely,

George Stamas
High School Principal

**Grading Scale**

| | AP | HONORS | REGULAR |
|---|---|---|---|
| A | 5.00 | 4.50 | 4.00 |
| A- | 4.67 | 4.17 | 3.67 |
| B+ | 4.33 | 3.85 | 3.33 |
| B | 4.00 | 3.50 | 3.00 |
| B- | 3.67 | 3.17 | 2.67 |
| C+ | 3.33 | 2.85 | 2.33 |
| C | 3.00 | 2.50 | 2.00 |
| C- | 2.67 | 2.17 | 1.67 |
| D+ | 2.33 | 1.85 | 1.33 |
| D | 2.00 | 1.50 | 1.00 |
| D- | 1.67 | 1.17 | .670 |
| F | 0 | 0 | 0 |

**AP Courses/5.0 scale**

AP English
AP Calculus
AP Biology
Virtual AP Courses
KAMSC AP Courses
ATYP AP Courses

**Honors Courses/4.5 scale**

Honors English I
Honors English II
Honors English III
Advanced Spanish
Honors Pre-Calculus
Honors Geometry
Honors Algebra II
Honors Biology
Honors Chemistry
Honors Physics
Honors Earth Science
Advanced Chemistry
Advanced Physics
Anatomy and Physiology
Honors US History
KAMSC non-AP Classes
ATYP non-AP Courses

# Parchment High School
# Graduation Requirements

**English…….. 4.5 credits (4 cr. if in Honors)**
Reading Strategies/English 1/Honors- 1.5 cr. (1 cr. if in Honors)
English 2/Honors- 1 cr.
English 3/Honors- 1 cr.
Senior English/AP English- 1 cr.

**Science……..3.5 credits**
Biology/Honors- 1 cr.
Chemistry & Physics/Honors- 1.5 cr.
Earth Science/Honors- 1 cr.

**Social Studies……. 3.5 credits**
US History 1- ½ cr.
Economics-½ cr.
World History- 1 cr.
Us History 2 &3/Honors- 1 cr.
Government- ½ cr.

**Math……4+ credits**
*Your math sequence will be one of the following:

1a. Applications of Algebra
1b. App. of Geometry/Bridge
1c. Applications of Algebra II
1d. Senior Math

2a. Algebra
2b. Geometry/Bridge
2c. Algebra II
2d. Senior Math

3a. Geometry/Bridge (Hon)
3b. Algebra II (Hon)
3c. AP Pre Calculus or Statistics
3d. AP Calculus or other Senior Math

**Physical education/health…….1 credit**

**Foreign Language.....2 credits**
***or 1 credit foreign language and 1 credit CTE or VPAA

**Fine arts, practical arts……..1 credit**

**You must earn a minimum of 26 credits out of 30 available credits to graduate from Parchment High School.**

# Parchment High School
# Early Graduation Policy and Permission

Parchment High School maintains an early graduation policy for all graduating seniors. The policy states:

> *The Board of Education acknowledges that some students are pursuing educational goals which include graduation from high school at an earlier date than their designated class. Application for early graduation will be submitted to the high school principal in accordance with school regulations. The principal may honor this request if all conditions for graduation are met and the student fulfills the graduation requirements.*
>
> *The student may participate in the graduation ceremonies with his/her designated class.*

In order for a student to be eligible for early graduation, he/she must have:

1. earned a minimum of 26 credits by the end of the 2nd trimester of their senior year
2. fulfilled all core academic graduation requirements by that time
3. not failed any course during 1st or 2nd trimester due to attendance or lack of effort

***Students in CTE (formerly known as EFE), EFA, or dual-enroll will NOT be able to graduate early, as those are full year programs.

****Students wishing to participate in spring athletics will also not be eligible for early graduation per MHSAA.

***Any student who earns an “F” during their senior year due to poor attendance and/or lack of effort will forfeit the privilege of graduating early.

SEE YOUR COUNSELOR FOR AN APPLICATION

# Parchment High School
# Gender Equity Statement

No person at Parchment High School shall, on basis of ethnic/gender/sexual orientation/class/disability, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity. Inquires by students and/or parents/legal guardians relating to discrimination on the basis of disability/handicap should be directed to Assistant Superintendent, Parchment School District,
520 North Orient, Parchment, MI 49004 - 269-488-1050

# Kalamazoo County Early Middle College (EMC) Program Overview

The EMC program is an opportunity for students to earn an associate's degree or certificate along with their high school diploma. Students are enrolled in a focus program of study at Kalamazoo Valley Community College. Students have an additional 13th year of high school for program completion. The local school district pays the tuition and fees up to an allocated amount.

The EMC program is structured so that students gradually increase their exposure to college courses over a five-year span. Initially (9th/10th grades)the bulk of the students' schedule consists of traditional high school classes. As the student progresses through their educational plan, they will be exposed to more and more college courses. By the time they reach the 13th grade (or 5th year), all of their coursework will be on site at Kalamazoo Valley Community College.

Students who participate in EMC also receive support service to assist them in their transition from high school to college. All EMC students take a College Success Strategies Course in 10th grade to enhance their academic preparation skills, study skill development and social maturity skills. All EMC students have a mentor that they meet with regularly. Students will be able to save both time and money as they pursue a college degree, and they will have access to support services designed to enhance their success as they work towards achieving their educational goals.

Students may elect to participate in one of the following programs:

Degrees in Associate of applied Science (AAS)
AAS degrees are occupational in orientation and are designed to prepare graduates for immediate employment. They require successful completion of a minimum of 62 credit hours.

AAS Options
Accounting
Administrative Assistant
Business Administration
Culinary Arts and Sustainable Food Systems
Emergency Medical Services
General Marketing
Graphic Design
IT Support Technician
Machine Tool Technology

Certificates (CERT)
Certificate programs prepare graduates for a specialized occupation. They require successful completion of 30 credits hours or more.

CERT Options
Administrative Support
Culinary Arts & Sustainable Food Systems

General Automotive Service
Graphic Design
Machinist
Office Management

Certificates of Achievement (COA)
Certificate of Achievement programs require fewer courses than a regular certificate program providing training in a specific set of skills for employment in a specific occupation. They require successful completion of more than 3 but less than 30 hours of credit.

COA Options
Auto Brake Systems
Auto Steering & Suspension
CNC Operator
Desk Side Support
Dietary Manager
Emergency Medical Technology - Basic
Machine Tool Operator
Network Manager
Office Support Specialist
PC Support Technician
Software Specialist
Welding Constant Current (CC) Processes
Welding Constant Voltage (CV( Processes
Word Processing Specialist

Transfer Degrees in Associate of Arts (AA) or Associate of Science (AS)
AA or AS degrees are for students planning to transfer to a four-year university. Students need to discuss this with the EMC Coordinator and a KVCC Counselor to see if a transfer agreement is in place for your program of interest If you are planning to go to a four-year university out of state, the Early/Middle College program may not be in your best interest due to transferability of coursework…

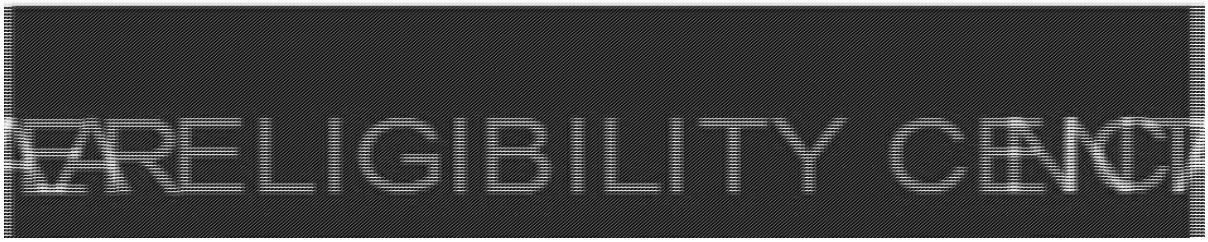
AA Options
Business Administration
Computer information Systems
Criminal Justice
Elementary Education
Secondary Education **Students will follow the degree plan for the subject area they want to teach*
Social Work
Studio Art

AS Options
Aviation Technology

Biological Sciences
Computer Science
Engineering

**The application packet and other information can be found on the Kalamazoo County EMC website [www.kresa.org/emc](www.kresa.org/emc).**

For more information: Contact our EMC Coordinator, Beau Loncharte, at 269-488-1108 or beau.loncharte@parchmentschools.org




# Divisions I and II Initial-Eligibility Requirements

Core Courses

•NCAA Divisions I and II require 16 core courses. See the charts below.

•Beginning August 1, 20 16 , NCAA Division I will require 10 core courses to be completed prior to the seventh semester (seven of the 10 must be a combination of English, math or natural or physical science that meet the distribution requirements below). These 10 courses become "locked in" at the start of the seventh semester and cannot be retaken for grade improvement.

- Beginning August 1, 20 16 , it will be possible for a Division I college-bound student-athlete to still receive athletics aid and the ability to practice with the team if he or she fails to meet the 10 course requirement , but would not be able to compete.

**Test Scores**

- Division I uses a sliding scale to match test scores and core grade-point averages (GPA). The sliding scale for those requirements is shown on Page No. 2 of this sheet.
- Division II requires a minimum SAT score of 820 or an ACT sum score of 68.
- The SAT score used for NCAA purposes includes **only** the critical reading and math sections. The writing section of the SAT is not used.
- The ACT score used for NCAA purposes is a **sum** of the following four sections: English, mathematics, reading and science.
- '**When you register for the SAT or ACT, use the NCAA Eligibility Center code of 9999 to ensure all SAT and ACT scores are reported directly to the NCAA Eligibility Center from the testing agency.**
  **Test scores that appear on transcripts will not be used .**

**Grade-Point Average**

- **Be sure** to look at your high school's List of NCAA Courses on the NCAA Eligibility Center's website (www.eligibilitvcenter.org). Only courses that appear on your school's List of NCAA Courses will be used in the calculation of the core GPA. Use the list as a guide.
- **Division I** students enrolling full time **before August 1, 2016** , should use Sliding Scale A to determine eligibility to receive athletics aid, practice and competition during the first year.
- **Division I** GPA required to receive athletics aid and practice **on or after August 1, 2016**, is 2.000-2.299 (corresponding test-score requirements are listed on Sliding Scale B on Page No. 2 of this sheet).
- **Division I** GPA required to be eligible for competition **on or after August 1, 2016**, is 2.300 (corresponding test-score requirements are listed on Sliding Scale B on Page No. 2 of this sheet) .
- **The Division II** core GPA requirement is a minimum of 2.000.
- Remember, the NCAA GPA is calculated using NCAA core courses only.

| DIVISION I<br>16 Core Courses | | DIVISION II<br>16 Core Courses |
|---|---|---|
| • 4 years of English.<br>• 3 years of mathematics ( Algebra I or higher).<br>• 2 years of natural/physical science (1 year of lab if offered by high school).<br>• 1 year of additional English,<br>• mathematics or natural/physical science.<br>• 2 years of social science.<br>• 4 years of additional courses (from any area above, foreign language or comparative religion/philosophy). | | • 3 years of English.<br>• 2 years of mathematics (Algebral or higher).<br>• 2 years of natural/physical science(1 year of lab if offered by high school).<br>• 3 years of additional English, mathematics or natural/physical science.<br>• 2 years of social science.<br>• 4 years of additional courses(from any area above, foreign language<br>• or comparative religion/philosophy) |

# Michigan's Career Clusters

The Michigan career clusters are broad groupings of careers that share similar characteristics and whose employment requirements call for many common interests, strengths, and competencies. Some careers may have connections to more than one cluster.

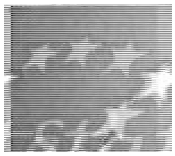
There are various jobs available within each cluster, at various levels of education, including:

-Entry level (HS Diploma required)
-Professional certificate (usually 1 year or less)
-Associate's degree (usually 2 years)
-Bachelor's degree (usually 4 years)
-Master's degree (usually 2 years beyond Bachelor's)
-Medical or Doctoral degree (usually 4+ years beyond Bachelor's)

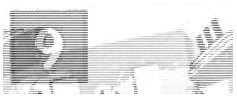
It is our hope that Parchment High School students continue to develop their career interests and goals throughout high school, and that the courses and programs that they choose can help support their career interests and goals.

Please review the next few pages for a description of each of the career clusters, as well as the current Hot 50 jobs in the state of Michigan, as published by the State of Michigan government.

Helpful web links:
https://xello.world/en/ (all PHS students have an account, see counselor for access)
www.mynextmove.org
www.onetonline.org



## The Sixteen Career Clusters

| | |
|---|---|
|  | The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources. |
|  | Careers in designing, planning, managing, building, and maintaining the built environment . |
|  | Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services. |
|  | Business Management and Administration careers encompass planning, organizing , directing and evaluating business functions essential to efficient and productive business operations. Business Management and Administration career opportunities are available in every sector of the economy. |
|  | Planning, managing, and providing education and training services, and related learning support services. |
|  | Planning, services for financial and investment planning, banking, insurance, and business financial management. |
|  | Executing governmental functions to include governance; national security; foreign service; planning; revenue and taxation; regulation; and management and administration at the local, state, and federal levels. |
|  | Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development. |
|  | Hospitality and Tourism encompasses the management, marketing and operations of restaurants and other food services, lodging, attractions, and recreation events and travel-related services. |

| | |
|---|---|
|  | Preparing individuals for employment in career pathways that relate to families and human needs. |
|  | Building linkages in IT occupations framework for entry-level, technical, and professional careers related to the design, development, support and management of hardware, software, multimedia, and systems integration services. |
|  | Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services. |
|  | Planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance, and manufacturing/ process engineering. |
|  | Planning, managing, and performing marketing activities to reach organizational objectives. |
|  | Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering), including laboratory and testing services, and research and development services. |
|  | Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment , and facility maintenance. |

| | | | | |
|---|---|---|---|---|
| | | | | |
| Accountants and [illegible] | [illegible] | [illegible] | [illegible]'s Degree, License | 0.7 |
| Administrative Ser[illegible] | [illegible] | [illegible] | [illegible] Work Experience | 1.0 |
| Architectural [illegible] | [illegible] | [illegible] | Experience, License | 1.0 |
| Carpenters | 3,030 | $17-[illegible] | [illegible]enticeship, License | 2.8 |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| Instructional Coord[illegible] | [illegible] | Master's Deg[illegible] | [illegible]s Work Experience | 3.9 |
| Insurance Sales A[illegible] | [illegible] | $18-[illegible] | [illegible]erate OJT, License | 2.8 |
| Lawyers | 930 | Doctoral or Pr[illegible] | [illegible]al Degree, License | 1.4 |
| Loan Officers | 900 | Bachelor's D[illegible] | [illegible]s Moderate OJT | 4.8 |
| Legislators | 900 | $28-$48 | Bachelor's Degree | 1.0 |
| Machinists | 2,880 | $18-$28 | Long-Term OJT | 3.1 |
| Management An[illegible] | [illegible] | Bachelor's Deg[illegible] | [illegible]s Work Experience | 4.8 |
| Market Researc[illegible] | [illegible] | [illegible]ysts and Mark[illegible] | [illegible]'s Degree | 5.1 |
| Marketing Manage[illegible] | [illegible] | Bachelor's Deg[illegible] | [illegible]s Work Experience | 3.1 |
| Mechanical Engi[illegible] | [illegible] | [illegible] | [illegible]'s Degree, License | 2.8 |

PROJECTED COURSE OFFERINGS
**2023-2024 (ODD Year)**

**ART – pgs. 15-16**

| | |
|---|---|
| 301 | Fundamentals of Art |
| 305 | 2D Design |
| 361 | Digital Art & Design |
| 303 | 3D Design |
| 307 | Art History |

**BUSINESS – pgs. 16-18**

| | |
|---|---|
| 102 | Computer Applications |
| 104 | Introduction to Business |
| 112 | Small Business Accounting |
| 105,106,107 | Marketing I |
| 134,135,136 | Marketing Capstone |
| 131,132,133 | Bus. Operation & Leadership |

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| | |
|---|---|
| 200, 201, 202 | English I |
| 203, 204 | Honors English I |
| 205, 206 | English II |
| 207, 208 | Honors English II |
| 209, 210 | English III |
| 211, 212 | Honors English III |
| 240, 241, 242 | AP English |
| 216 | Science Fiction Fantasy |
| 219 | Myths |
| 228 | Drama & Performing Arts |
| 214 | Creative Writing I |
| 217 | Creative Writing II |
| 215 | Short Stories |
| 227 | Dramatic Reading |

**FOREIGN LANGUAGE – pgs. 22-23**

| | |
|---|---|
| 401, 402 | Spanish I |
| 403, 404 | Spanish II |
| 405, 406 | Advanced Spanish |

**MATHEMATICS – pgs. 23-26**

| | |
|---|---|
| 500, 501, 502 | Applications of Algebra I |
| 508, 509, 510 | Algebra I |
| 503, 504 | Applications of Geometry |
| 511, 512 | Geometry |
| 584, 585, 587 | Honors Geometry |
| 513 | Bridge to Algebra II |
| 506, 507 | Applications of Algebra II |
| 514, 515 | Algebra II |
| 595, 596 | Honors Algebra II |
| 590, 591, 592 | AP Pre-Calculus |
| 521, 522, 523 | AP Calculus |
| 528 | Patterns and Projects |
| 582, 583 | Statistics I & II |
| 518 | Math Coaching |

**MUSIC – pg. 27**

| | |
|---|---|
| 331 | Choir - all grades |
| 332, 333, 334 | Band - all grades |

**PHYSICAL EDUCATION – pgs. 27-29**

| | |
|---|---|
| 351 | Health and Fitness |
| 355 | Physical Conditioning |
| 356 | Advanced Weight Training |
| 357 | Team Sports |
| 353 | Speed and Agility |
| 358 | Women's Fitness |
| 359 | Men's Fitness |

**PRACTICAL ARTS – pgs. 29-30**

| | |
|---|---|
| 317 | Woodworking Technology I |
| 318 | Woodworking Technology II |
| 319 | Woodworking Technology III |
| 325 | Intro to Engineering Design |

**SCIENCE – pgs. 30-36**

| | |
|---|---|
| 700, 701 | Biology |
| 702, 703 | Honors Biology |
| 704, 705, 706 | Chemistry/Physics |
| 707, 708, 709 | Honors Chemistry/Physics |
| 710, 711 | Earth Science |
| 785, 786 | Honors Earth Science |
| 794 | Field Science |
| 713 | Bioethics |
| 719 | Geology |
| 722, 736 | Forensic Science I & II |
| 787 | Intro to Anatomy & Physiology |
| 795 | Scientific Investigation |
| 720 | Meteorology **(Odd Years)** |
| 723 | Botany **(Odd Years)** |
| 724,725 | Advanced Chemistry (**Odd Years)** |
| 712 | Environmental Science **(Even Years)** |
| 721 | Astronomy **(Even Years)** |
| 726, 727 | Advanced Physics (**Even Years)** |

**SOCIAL STUDIES – pgs. 37-39**

| | |
|---|---|
| 801 | Economics |
| 802 | U.S. History I |
| 803, 804 | World History |
| 805, 806 | United States History II and III |
| 807, 808 | Honors U.S. History II and III |
| 809 | Government |
| 812 | Holocaust |
| 814 | American West |
| 815 | Current World Issues |
| 813 | Sociology |

**ADDITIONAL ELECTIVE COURSES – pgs. 39-40**

| | |
|---|---|
| 360 | Senior Seminar |
| 362, 363, 364 | Yearbook |
| 365 | Leadership |
| 453 | Peer-to-Peer (P2P) |

**ART** - One (1) credit of Fine Arts/Practical Arts is required for graduation. Additional Art courses are electives and will help fulfill the elective graduation requirement.

**Fundamentals of Art**
Course Number: #301
Length of Course: 1 Trimester – .5 credit
Prerequisites: None
Grade Level: 9-12
In this class students will learn and apply basic artistic techniques. We will explore the seven elements of design through a variety of materials to create two and three-dimensional art. This class is meant for students to test and experiment with many types of art media.

**2D Design**
Course Number: #305
Length of Course: 1 Trimester—.5 credit
Prerequisites: None
Grade Level: 9-12
This course focuses on the media and techniques used to create two dimensional art. Students will learn painting, drawing, printmaking, and other 2D skills. This class will focus on generating creative ideas and improving artistic habits.

**Digital Art & Design**
Course Number: #361
Length of Course: 1 Trimester - .5 Credit
Prerequisites: Fundamentals, 2D design, or Intro to Engineering Design
Grade Level: 11-12
The format of this course will be digital art or art made using computer technology. Students will use media equipment such as computers, digital cameras, video equipment, and lighting equipment to create art. Some work, such as photographing events, outside of school hours is required for this course. Skills development will be in digital photography, graphic de- sign, and videography.

**3D Design**
Course Number: #303
Length Of Course: 1 Trimester – .5 Credit
Prerequisites: Fundamentals or 2D Design
Grade Level: 10-12
More in-depth experiences with three dimensional art making skills are offered in this course. Students will learn skills relat- ed to clay, wire sculpture, cardboard & paper mache, and other 3D media. Expectations of developing our artistic habits and art making skills are higher in this course.

**Art History**
Course Number: #307
Length of Course: 1 Trimester— .5 Credit
Prerequisites: None
Grade Level: 9-12
This class introduces students to art throughout the history of civilization. Research and presentation is a requirement of this course. Students will learn a variety of art movements with each unit culminating in students making a work of art in the particular media or style.

**BUSINESS** - Business courses will count toward the elective graduation requirement. Some business courses will fulfill the 4th year math credit requirement as noted below.

**Computer Applications**
Course Number: #102
Length of Course: 1 Trimester – .5 Credit
Prerequisites: None
Grade Level: 9-12
This course will provide students with a thorough instruction of multimedia presentation applications, advanced word functions, on-line learning, ethical usage, the use of spreadsheets, and desktop publishing. Students will also be instructed in the use of scanners and digital cameras and their application in the aforementioned software.

**Introduction to Business**
Course Number: #104
Length of Course: 1 Trimester—.5 Credit
Prerequisite: None
Grade Level: 9 -12
This 1 trimester course (.5 unit credit) is designed to expand students' awareness of the Free Market Enterprise System. This course will include the following topics: basic economic concepts, business ethics and social responsibility, entrepreneurship, business ownership and operations, business management, leadership in management, money and financial institutions, marketing in today's world, protecting consumers, managing personal finances, investing and the basics of risk management.

**Small Business Accounting**
Course Number: #112
Length of Course: 1 Trimester – .5 Credit
Prerequisites: None
Grade Level: 10-12
*4th year math credit if taken as senior

This course will focus on the organization and management of accounting procedures for a small business. Students will learn general ledger entries, simple financial forms and commonly used accounting terms. This is a great class for work and college-bound students.

**Marketing I**
Course Number: #105, #106, #107
Length of Course: 3 Trimesters – 1.5 Credits
Prerequisites: None
Grade Level: 9 -12
*4th Year Math Credit if taken as senior
*MMC Credits—VPAA
*See your counselor for possible 3rd Science and/or 2nd World Language Credit
This course will expose students to the process of turning an idea into an actual business with the use of advertising, promotion, and sales. Students will understand the importance of ethics, selling, target marketing, and promotion in corporate America. Students will have the option of earning their 4th year math credit in their 12th grade year. Students will have the opportunity to join and compete in the DECA club, exposing you to travel, scholarships, and exciting teamwork opportunities. Successful completion of Marketing or Business Operations and Leadership as a 10th or 11th grader and an approved interview with the instructor will allow you to run the PIT as a 12th grader. This opportunity will be open for five to six students that meet the requirements. This class is articulated with Kalamazoo Valley Community College, Baker College and Davenport University for successful completion of three trimesters with a B or better in the class. (An CTE course)

**Marketing Capstone**
Course Number: #134, #135, #136
Length of Course: 3 Trimesters—1.5 Credits
Prerequisites: Marketing I or Business Operations and Leadership
Grade Level: 12
*4th Year Math Credit
*MMC Credits—VPAA
*See your counselor for possible 3rd Science and/or 2nd World Language Credit
The capstone course will be a second level class for students who have completed one year of either BOL or Marketing.
This course will be student directed with students taking part in both the running of the PIT at Parchment HS and running an online business through Virtual Enterprise. Students will learn leadership, management skills and how to run a business on a day to day basis. This course has a yearlong commitment that the student must make to have a successful business operation

**Business Operations and Leadership**
Course Number: #131, #132, #133
Length of Course: 3 Trimesters – 1.5 Credit
Prerequisites: None

Grade Level: 9 -12
*4th Year Math Credit if taken as senior
*MMC Credits—VPAA
*See your counselor for possible 3rd Science and/or 2nd World Language Credit
This course will expose students to effective leadership and operational skills needed for running an organization. There will be a significant focus on daily operations and risk management. You will be exposed to technology used in the business setting, learning how technology is incorporated in the day-to-day operations. Students will have the option of earning their 4th year math credit in their 12th grade year. Students will have the opportunity to join and compete in the DECA club, exposing you to travel, scholarships, and exciting teamwork opportunities. Successful completion of Marketing or Business Operations and Leadership as a 9th, 10th or 11th grader and an approved interview with the instructor will allow you to run the PIT as a 12th grader. This opportunity will be open to five to six students that meet the requirements. This class is articulated with Kalamazoo Valley Community College, Baker College, Davenport University and Ferris State University College for successful completion of three trimesters with a B or better in the class. (An CTE course)

**ENGLISH** - 4.5 credits of English are required for graduation; 4 credits for those in the Honors Program.

- English I or Honors English I
- English II or Honors English II

**English I**
Course Number: #200, # 201, #202
Length Of Course: 3 Trimesters – 1.5 Credits
Prerequisites: None
Grade Level: 9
English IA, IB and IC is designed to acquaint the student with the major areas of English. Specifically, the course will include speaking, grammar, short stories, non-fiction, drama, poetry, and a novel. In addition, students will complete a research paper, a formal speech, and several writing assignments.

**Honors English I**
Course Number: #203, #204
Length Of Course: 2 Trimesters - 1 Credit
Prerequisites: Application and Entrance Test*
Grade Level: 9
This course is designed for students who have demonstrated superior reading and writing skills at the Middle School. The intent of this course is to give students accelerated preparation in the fundamentals of interpretation of both fiction and nonfiction. Most reading selections are one year above grade level. Formal writing consists of both analytical and creative work. Summer

reading is required. *Students must submit an application essay, score successfully on the entrance test, and agree to all course requirements as detailed on the course outline.

**English II**
Course Number: #205, #206
Length of Course: 2 Trimesters – 1 Credit
Prerequisites: English I
Grade Level: 10
English II, a survey course, develops a student's ability to read and analyze fiction, non-fiction, poetry, and legends. The class also includes Shakespeare's Julius Caesar and a novel. English II students write a research paper, and several short, expository papers.

**Honors English II**
Course Number: #207, #208
Length of Course: 2 Trimesters - 1 Credit
Prerequisites: Honors English I OR Application (Application in back of book due March 5, 2021
Grade Level: 10
As a foundation, a variety of materials are used, suited to the more sophisticated reader. Students are taught to be conscious of a writer's strategies and voice as well as the content of the work being analyzed. In written work, students are expected to establish a thesis, provide textual proof, and sup- porting warrants in analytical papers. Assignments are usually focused on a single work, although some comparative studies are also done. Summer reading is required. Students must submit an application essay, score successfully on the entrance test, and agree to all course requirements as detailed on the course outline.

**English III**
Course Number: #209, #210
Length Of Course: 2 Trimesters - 1 Credit
Prerequisites: English II
Grade Level: 11
English III is a survey course focused on American Literature's historical development, emphasizing authors of the various periods in American history. Students will improve their reading comprehension skills in both fiction and non-fiction works. Rhetorical analysis, drama, and preparation for the SAT test are components of the first half of the course. 20th Century literature and the novel form the major focus of the second half.

**Honors English III**
Course Number: #211, #212
Length of Course: 2 Trimesters – 1 Credit
Prerequisites: Honors English II OR Application (Application
in back of book, due March 3, 2023
Grade Level: 11
Honors English III is a pre-AP English course, designed to enhance the skills obtained in Honors I and II, and build a strong foundation for success in the AP English class and on the

Advanced Placement English Exam given in May of each year. Close analysis, extensive writing, and intense class discussions will provide students with the opportunities to deepen their ability to understand, analyze, and interpret literary works. Students must submit an application essay, score successfully on the entrance test, and agree to all course requirements as detailed on the course outline.

**Advanced Placement English**
Course Number: #240, #241, #242
Length of Course: 3 Trimesters – 1.5 Credits
Prerequisites: Honors English III OR Application (Application in back of book due March 3, 2023)
Grade Level: 12
The focus of this course will be the careful study and analysis of works by major English authors. Preparation for and practice on the Advanced Placement Examination will also be included. Students enrolled in this course will be expected to complete independent summer assignments, including reading and essay preparation. Students must submit an application essay, score successfully on the entrance test, and agree to all course requirements as detailed on the course outline.

**Science Fiction/Fantasy**
Number of Course: 216
Length Of Course: 1 Trimester - .5 Credit
Prerequisites: None
Grade Level: 10-12
Science Fiction/Fantasy is an English elective that provides students the opportunity to discover their connection with society, science, technology, and how to convey ideas. The science fiction and fantasy genres are vital to studies of history, society, Earth and space science, technology, government, and the environment. Through the reading, students will not only build on their reading skills, but they will learn to think critically about important aspects in our world—both present and future. Through discussion and the creation of their own science fiction or fantasy stories, students will continue to hone their interpretation and writing skills. The curriculum includes and evaluations are based on: reading literature, active reading checkpoints; discussions; original short stories written by students; participation; pre/post assessments; attendance, and a final project.

**Myths**
Course Number: #219
Length Of Course: 1 Trimester – .5 Credit
Prerequisites: English III
Grade Level: 12
This course is designed to present a wide variety of myths, exploring the beliefs and values of ancient peoples from all continents. Students will study similarities and differences among cultures with respect to creation tales and hero epics.

**Drama and the Performing Arts**
Course Number: #228
Length of Course: 1 Trimester – .5 Credit
Prerequisites: English II
Grade Level: 11-12
Prerequisites: None
This class will introduce students to various elements of the theatre, including a brief history of the theatre and its major movements, the craft of dramatic writing and scene analysis, dramatic interpretation, acting, and performance techniques. Students will learn how to analyze a character, scene, and play as a reader/viewer and as an actor. Students will also be required to review a performance in order to analyze and evaluate the components of a show and their effectiveness. The class will culminate in a lab performance, which will require the students to perform in a public performance.

**Creative Writing I**
Course Number: #214
Length of Course: 1 Trimester - .5 Credit
Prerequisites: None
Grade Level: 9-12
This trimester long course requires students to write poetry, fiction, and drama. Students will be required to read and write like a writer, including conferencing with the teacher and fellow students, experimenting with written works in multiple genres, revising work regularly, reading works by various authors, and learning about the craft of writing. Students will create a portfolio of work during the course of the trimester.
*9th graders who want to take Creative Writing must be in Honors English I

**Creative Writing II**
Course Number: #217
Length: 1 Trimester - .5 Credit
Prerequisites: None
Grade Level: 9-12
Writing creatively demands that students build on their under- standing of the written word. One must be more careful and intentional when writing poetry and prose in order to achieve a certain end, so students will have to read literature and writing more carefully and closely. Students will also have to write and revise a great deal to produce a portfolio of work that is refined and professional. This course gives students the opportunity to continue their writing in the genre of their choice. Students will be required to refine their writing and look at it critically in order to make revisions and produce quality pieces. Students must have taken Creative Writing and must obtain instructor permission.

**Short Stories**
Course Number: #215
Length of Course: 1 Trimester - .5 Credit
Prerequisites: English III

Grade Level: 12
This course is designed to extend students' experience in fiction and non-fiction. Fiction texts include stories from diverse cultures. Students will use their reading as a springboard to fictional analytical writing.

**Dramatic Reading**
Course Number: #227
Length of course: 1 Trimester—.5 Credit
Prerequisites: None
Grade Level: 9-12
Students will read, analyze, and interpret a variety of dramatic works. Students will use different creative mediums to develop a deeper understanding of dramatic works, as well as produce their own short play script.

**FOREIGN LANGUAGE** - 2 years of foreign language are required for graduation. Spanish II may be replaced by a CTE, EFA, or extra Fine Arts classes, but college-bound students are strongly encouraged to take Spanish 2.

**Spanish I**
Course Number: #401, #402
Length of Course: 2 Trimesters – 1 Credit
Prerequisites:None
Grade Level: 9-12
This is a course in the four skills involved in language learning: speaking, listening, reading, and writing. Daily participation and daily preparation are required. Basic knowledge of English grammar, ability to spell well, and the ability to recognize verbal relationships are definite assets to a language student. In addition to the study of the language itself, students will learn about the people who speak it as their native language – their customs, traditions, beliefs, daily life and something of their character.

**Spanish II**
Course Number: #403, #404
Length of Course: 2 Trimesters – 1 Credit
Prerequisites: Spanish I
Grade Level: 10-12
This is a continuation of developing the four language skills begun in Spanish I. More than in the first year the class will be conducted in Spanish, but technical explanations of structure will continue to be in English. Additional reading material is sometimes used to supplement the textbook. Cultural studies will continue with the hope that students will gain understanding of Spanish-speaking peoples.

**Advanced Spanish**
Course Number: #405, #406
Length Of Course: 2 Trimesters - 1 Credit
Prerequisites: Spanish I and II
Grade Level: 11-12
Advanced Spanish students will use previously mastered skills in writing, speaking, listening and reading and will further develop these skills while studying various types of Spanish literature and learning the history and cultures of several Spanish-speaking countries. Through class discussions, written work and varied assignments, students will react to these in a level appropriate manner. The curriculum varies each time the course is offered; therefore, it may be repeated for credit.

**MATHEMATICS** - At least (4) credits of Mathematics are required for graduation. Your math sequence will be one of the following:

| | | |
|---|---|---|
| 1a. Applications of Algebra | 2a. Algebra | 3a. Geometry/Bridge (Hon) |
| 1b. App. of Geometry/Bridge | 2b. Geometry/Bridge | 3b. Algebra II (Hon) |
| 1c. Applications of Algebra II | 2c. Algebra II | 3c. AP Pre-Calculus or Statistics |
| 1d. Senior Math | 2d. Senior Math | 3d. AP Calculus or Other Senior Math |

**Applications of Algebra I**
Course Number: #500, #501, #502
Length of Course: 3 Trimesters – 1.5 Credit
Prerequisites: None
Grade Level: 9
This is the first of four courses designed to develop and refine life-related mathematical skills. Topics to be studied include real numbers and solving, graphing and writing linear equations and inequalities. Another area of emphasis includes exponents, polynomial and rational functions and their connections to the real world. Students will be expected to work individually and in small teams while in class. Homework will be a regular part of the course.

**Algebra I**
Course Number: #508, #509, #510
Length of Course: 3 Trimesters – 1.5 Credit
Prerequisites: None
Grade Level: 9
Algebra brings math to life with many real-life applications. Students will use three key aspects of Algebra-equations, graphs and applications. Topics to be studied include real numbers and solving, graphing and writing linear equations and inequalities. Another area of emphasis includes exponential, polynomial and rational functions and their connections to the real world. Homework will be a regular part of this course. In class, students will work individually and in small teams.

**Applications of Geometry**
Course Number: #503, #504
Length Of Course: 2 Trimesters - 1 Credit
Prerequisites: Applications of Algebra I
Grade Level: 10
This class continues the course sequence beginning in Applications of Algebra I. Topics to be studied include: transformations, angles, similarity and congruence, trigonometry, quadrilaterals, circles, and geometric solids. Emphasis is based on relating mathematics to real-life phenomena. Students will be expected to work individually and in small teams while in class. Homework will be a regular part of the course.

**Geometry**
Course Number: #511, #512
Length of Course: 2 Trimesters – 1 Credit Prerequisites: Algebra I or Applications of Algebra
Grade Level: 9-10
Geometry brings math to life with many real life applications. Students will use the three key aspects of Geometry-measuring, reasoning and applying geometrical ideas. The chapters that will be studied include Basics of Geometry, Reasoning and Proofs, Perpendicular and Parallel Lines, Congruent Triangles, Properties of Triangles, Quadrilaterals, Transformations, Similarity, Trigonometry, and Circles. Homework will be a regular part of this course. In class, students will work individually and in small teams.

**Honors Geometry**
Course Number: #584, #585, #587
Length of Course: 3 Trimesters—1.5 Credit
Prerequisites: Algebra 1 and Department Recommendation
Grade Level: 9, 10
Topics from the Geometry curriculum will be covered at an elevated pace and rigor, as well as advanced topics in Circles and 3D Geometry. Higher level concepts and applications will be emphasized. Students will be expected to work outside of class daily to prepare and practice. This course is recommended for students pursuing an education beyond high school & stronger understanding of mathematics.

**Bridge to Algebra II**
Course Number: #513
Length of Course: 1 Trimester – .5 Credit
Prerequisites: Applications of Geometry or Geometry
Grade Level: 10-12
This course is focused around statistics and probability units that were not covered in the Algebra 1, Geometry and Algebra 2 courses. This course covers topics from the Michigan Academic Standards, PSAT and SAT tests.

**Applications of Algebra II**
Course Number: #506, #507

Length Of Course: 2 Trimesters - 1 Credit
Prerequisites: Applications of Geometry and Bridge to Algebra II
Grade Level: 11
This is the third course in the Applications series. Topics studied will include equations, inequalities, quadratic and polynomial functions, exponential functions and logarithms. Homework is considered a regular part of this course.

**Algebra II**
Course Number: #514, #515
Length of Course: 2 Trimesters – 1 Credit
Prerequisites: Geometry or Applications of Geometry and Bridge to Algebra II
Grade Level: 11-12
Algebra II is the third course in this series and builds upon topics learned in Algebra 1 and Geometry. Topics studied in Algebra 2 include: Equations and Inequalities including Systems of Equations and Inequalities, Quadratic and Polynomial Functions, Exponential and Logarithmic Functions, Rational Functions and Trigonometric Functions. Students should expect daily homework in this course. In class students will be expected to work individually and in a small group setting.

**Honors Algebra II**
Course Number: #595, #596
Length of Course: 2 Trimesters – 1 Credit
Prerequisites: Honors Geometry
Grade Level: 10-11
Topics from the Algebra II curriculum will be covered at an elevated pace and rigor, as well as advanced topics in Matrices, Sequence and Series, and Probability and Statistics. Higher level concepts and applications will be emphasized. Students will be expected to work outside of class daily to prepare and practice. This course is recommended for students pursuing an education beyond high school and a stronger understanding of mathematics.

**AP Pre-Calculus**
Course Number: #590, 591, 592
Length of Course: 3 Trimesters -1.5 Credit
Prerequisites: Honors Algebra II or Algebra II and Department Recommendation
Grade Level: 11
Topics studied in this course build upon those introduced in Honors Algebra II and are needed to be successful in Calculus. This course is recommended for students planning to attend a college/university in order to help prepare for college level mathematics.

**AP Calculus**
Course Number: #521, #522, #523
Length of Course: 3 Trimesters – 1.5 Credits
Prerequisites: Honors Pre-Calculus
Grade Level: 12

AP Calculus is the highest level of mathematics offered by Parchment High School. This course culminates with the opportunity to take the AP Calculus exam in May and earn college credits. AP Calculus is a national curriculum written by The College Board offering college level Calculus in high school.

**Patterns and Projects**
Course Number: #528
Length of Course: 1 Trimester - .5 Credit
Prerequisites: Algebra I and Geometry
Grade Level: 12
4th Year Math
Patterns and Projects will be a project-based class where students explore ways to use mathematics to engineer (design, make and improve) actual working devices by gathering, organizing and modeling of data through hands-on activities. Each project will center on creating and developing an object or algorithm that will perform an actual task. Students will design and build working constructs (possible examples include: trebuchet catapults, arched supports, suspension bridges, rockets, planes, fractal art, bungee jumping algorithms, etc…), while exploring the mathematical patterns inherent in each. Students will frequently work in project teams and need to be willing to spend time outside of class on research, construction, or reports when necessary.

**Statistics I & II**
Course Number: #582, #583
Length of Course: 2 Trimesters—1 Credit
Prerequisites: Algebra 2 or Applications of Algebra 2
Grade Level: 11—12
*4th year math credit if taken in your senior year
In this course, students will learn how data is portrayed in our society. Topics covered would be collecting and analyzing data, reporting data and predicting. Using current and applicable data will drive daily problems and projects. Individual and small group work should be expected. Homework will be a regular part of the course.
•Part A is not a prerequisite for part B. Students may take one or both.

**Math Coaching**
Course Number: #518
Length of Course: 1 Trimester— .5 Credit
Prerequisites: Senior and/or Department Recommendation
Math Coaching places a senior student in a Freshman or Sophomore level math classroom. Math Coaches assist students with learning new concepts in one on one or small group settings. Coaches are expected to be a rewarding experience and strongly recommend this course to other seniors.

**MUSIC** - One (1) credit of Fine Arts/Practical Arts is required for graduation. Additional Music courses are electives and will help fulfill the elective graduation requirement.

**Choir**
Course Number:
#331
Length Of Course: 3 Trimesters – 1.5 Credits
Prerequisites: None
Grade Level: 9-12
Choir is an introductory high school level choir for all voices. Students will be exposed to beginning high school choral literature of varying genres. Students will learn concepts such as proper breathing technique, intonation, and blending. Furthermore, students will learn basic music theory, work on aural skills, and improve reading. Students will have the opportunity to demonstrate proper performance etiquette at three performances throughout the school year.

**Band**
Course Number:
#332, #333, #334
Length Of Course: 3 Trimesters – 1.5 Credits
Prerequisites: Previous band experience or teacher approval
Grade Level: 9-12
The band is the instrumental-performing ensemble in the high school. The course is designed to develop the individual student's abilities, and to blend the performers into a highly polished ensemble. The band performs at football and basketball games, parades, pep assemblies, concerts, band festivals and occasional out-of-town performances. Students will be required to attend all scheduled rehearsals and performances. (Numerous hours of additional outside classroom instruction are required).

**PHYSICAL EDUCATION** - .5 credit of Health and Fitness is required plus .5 credit of another Physical Education class. Additional courses are electives and will help fulfill the elective graduation requirements. PE classes other than Health & fitness may be repeated for credit.

**Health and Fitness**
Course Number: #351
Length Of Course: 1 Trimester – .5 Credit
Prerequisites: None
Grade Level: 9
This course provides students with basic information and skills that are necessary for health promotion. Students will be introduced to concepts associated with positive health decision making in the classroom and will include physical fitness activities and testing in the gymnasium.

Topics will range from mental health and stress management, chronic and communicable diseases, nutrition, healthy growth, and development to cardiovascular health. Physiology of strength training, proper lifting technique, and safety procedures will also be discussed and practiced.

**Physical Conditioning**
Course Number: #355
Length Of Course: 1 Trimester – .5 Credit
Prerequisites: Health and Fitness
Grade Level: 10-12
Physical Conditioning class will involve a combination of cardiovascular and strength training exercises. Students will learn proper lifting technique and weight training strategies along with safe and effective cardiovascular conditioning. Students will develop an exercise program directed toward their own individual needs or interests that will promote health and fitness across the lifespan. This class may be repeated for credit.

**Advanced Weight Training**
Course Number: #356
Length of Course: 1 Trimester – .5 Credit
Prerequisites: Pass Physical Conditioning with a “B” or better or recommendation from P.E. staff
Grade Level: 10-12
This class is for the students who are serious and dedicated to physical training. A combination of cardiovascular and strength training exercises will be involved.
Students will weight train four days a week and cardiovascular condition the other day. Students will develop an exercise program directed toward their own individual needs and interests that will promote health and fitness across the lifespan. This class may be repeated for credit.

**Team Sports**
Course Number: #357
Length Of Course: 1 Trimester – .5 Credit
Prerequisites: Health and Fitness
Grade Level: 10-12
This class will focus on game rules and strategies associated with a variety of team sports. The emphasis will be on teamwork, sportsmanship, and higher level skills and concepts related to the sports covered during this unit. Units of study will include: Outdoors – football, tennis, soccer, softball, golf, and track and field. Indoors - basketball, volleyball, badminton, bowling, and floor hockey. This class may be repeated for credit.

**Speed and Agility**
Course Number: #353
Length Of Course: 1 Trimester - .5 Credit
Prerequisites: Health and Fitness
Grade Level: 10-12

This course is designed to help optimize a student's level of performance in any sport with training for speed, agility and quickness. Focusing on movement capabilities are more important in athletics than ever before and this class will cover advanced drills and workouts for developing the skills to move with the swiftness and power needed to excel in sports.

**Women's Fitness**
Course Number: #358
Length Of Course: 1 Trimester – .5 Credit
Prerequisites: Health and Fitness
Grade Level: 10-12
This course is designed to focus on women's target areas such as cardiovascular fitness, strength and toning, core exercises and self-confidence. Students will learn to use resistance bands, balance balls, and cardio machines, as well as free weights and combinations of yoga, pilates, and cardio kickboxing. The course consists of days spent between the weight room and the gym for varied types of instruction.

**Men's Fitness**
Course Number: #359
Length Of Course: 1 Trimester – .5 Credit
Prerequisites: Health and Fitness
Grade Level: 10-12
The course offers a combination of stretching, aerobic conditioning and strengthening exercises to sculpt and improve one's self-image and energy level through a directed and guided fitness program. Exercise to music with resistance training using dyna bands, kettlebells, medicine balls, dumbbells, and light weights to improve muscle tone, image, poise, confidence, strength, cardiovascular and muscular endurance and flexibility. Body conditioning and fitness will be developed through weight training, and strategies of independent fitness goals and nutrition guidelines learned. It is a safe class which incorporates both low impact and high aerobic movements. Designed for the non-athlete.

**PRACTICAL ARTS** - One (1) credit of Fine Arts/Practical Arts is required for graduation. Additional Practical Arts classes are electives and will help fulfill the elective graduation requirement.

**Woodworking Technology I**
Course Number: #317
Length Of Course: 1 Trimester – .5 Credit
Prerequisites: None
Grade Level: 9-12
An entry-level woodworking class that is designed around learning to use a variety of woodworking machinery through construction of assigned projects. Safety and quality will be stressed.

**Woodworking Technology II**
Course Number: #318
Length Of Course: 1 Trimester – .5 Credit
Prerequisites: Woodworking Technology I
Grade Level: 10-12
An advanced woodworking class with the focus on the use of shaping machines – router, shaper, lathe and basic wood joints with the completion of assigned projects. A final project of student's choice is required. The emphasis is on safety and quality.

**Woodworking Technology III**
Course Number: #319
Length of Course: 1 Trimester – .5 Credit
Prerequisites: Woodworking Technology II
Grade Level: 10-12
This woodworking class is designed around the student. The student will build projects to meet his/her own needs. The emphasis is on safety and quality. This class may be repeated for credit.

**Intro to Engineering Design**
Course Number: #325
Length Of Course: 1 Trimester – .5 Credit
Prerequisites: None
Grade Level: 9-12
*4th year math credit if taken senior year
Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software and an engineering notebook to document their work.

**SCIENCE** - Some courses in this department are offered every other year—2022-2023 is an EVEN YEAR
Students must take courses in each of the following science disciplines:

| | | |
|---|---|---|
| *1.0 credit | Biology | Freshmen Year |
| *1.5 credit | Chemistry/Physics | TBD (see below) |
| *1.0 credit | Earth Science | TBD (see below) |

*If you are in the "Applications" math program, you will take Earth Science in 10th grade and Chemistry/ Physics in 11th grade.
*If you are not in the "Applications" math program,you will take Chemistry/Physics in 10th grade and Earth Science in 11th grade

**Biology**
Course Number: #700, #701
Length of Course: 2 Trimesters – 1 Credit
Prerequisites: None
Grade Level: 9
This course is designed to present the student with a basic understanding of biological concepts. The following content expectations will be included: ecology, nature of science, chemistry of life, cells and cell processes, heredity and genetics, classification and evolution, bacteria
and viruses, and plant and animal processes.

**Honors Biology**
Course Number: #702, #703
Length of Course: 2 Trimesters – 1 Credit
Prerequisites: None
Grade Level: 9
Honors Biology is a rigorous college-preparatory survey course. Conceptual themes will be integrated with laboratory experiences and white board modeling to meet the NGSS standards. Topics include: Structure and Function, Inheritance and Variation of traits, Matter and Energy in Organisms and Ecosystems, Interdependent Relationships in Ecosystems and Natural Selection/Evolution. MME (Michigan Merit Exam). Topics include: Ecology, Nature of Science, Chemistry of Life and Biochemistry, Cells (Structure and Function), Cell Energetics, Comparative Structure and Function of Living Things, Human Systems, Cell Division and Chromosome Mutations, DNA/RNA and Protein Synthesis, Mendelian and Molecular Genetics and Evolution.

**Chemistry/Physics**
Course Number: #704, #705, #706
Length of Course: 3 Trimesters – 1.5 Credits
Prerequisites: Algebra
Grade Level: 10 or 11
This class will be an introduction to both chemistry and physics. This class will cover essential expectations of chemistry and physics at the high school level. Students will participate in both chemistry and physics labs, projects, and activities. Math and writing skills will be an essential skill for students taking this class.

**Honors Chemistry and Physics**
Course Number: #707, #708, #709
Length of Course: 3 Trimesters – 1.5 Credits
Prerequisites: Geometry
Grade Level: 10 or 11
This class will be a college-bound introduction to chemistry and physics. This class will cover most essential, core, and recommended concepts of chemistry and physics at the high school

level. Students will participate in both chemistry and physics labs, projects, and activities. Math and writing skills will be an essential skill for students taking this class.

**Earth Science**
Course Number: #710, #711
Length of Course: 2 Trimesters – 1 Credit
Prerequisites: None
Grade Level: 10-11
Earth Science Core A emphasizes the geologic processes that occur on Earth. Students will gain in-depth knowledge of the formation and uses of rocks and minerals. In addition, the students will learn about the concept of plate tectonics and how it relates to topics such as earthquakes, volcanoes, the drifting of continents, mountain building, and the effect these all have on the life forms of Earth. Other topics to be studied will include paleontology, glaciers and weathering and erosion. The big idea of this course is that all of the geologic processes that occur on Earth are interrelated and have an effect on the dynamic nature of our planet.

Earth Science Core B emphasizes three main topics related to the Earth. The three topics that are taught include oceanography, meteorology and astronomy. Each student will get an in-depth introduction to these topics. Oceanography looks at the physical properties that occur in the ocean, both in the water column and on the ocean floor. Meteorology will look at the daily and cyclic nature of our weather and climate. Astronomy is the study of the universe. In this section students will gain an appreciation for the vast nature of our universe and the objects that are in it. After completing Earth Science A and B all students will have gained a vast appreciation for the complex nature of the physical systems that govern this planet.

**Honors Earth Science A**
Course Number: # 785
Length of Course: 1 Trimester Class –.5 Credit
Prerequisites: Strongly recommend Honors Chemistry.
Grade Level: 11-12
This class will take a deeper look into earth as a system, plate tectonics, mineral and rock formations, rock dating, hydrology, natural resources, mapping, and earth history. Students will gain an understanding that without the geologic processes on Earth and in particular plate tectonics there would be no life on Earth. Students will study the impact that plate tectonics has on the earth in regards to the evolution of species and cli- mates, the formation of the Earth's natural resources and the recycling of the resources as well as the formation of various landforms. This course should interest any student who wants to learn about the world around them. These topics will be covered through research projects, labs, discussions, class lectures, readings in the content area and in-depth analysis of ongoing research related to these topics.

**Honors Earth Science B**
Course Number: #786
Length of Course: 1 Trimester Class – .5 Credit
Prerequisites: Strongly recommend Honors Chemistry

Grade Level: 11-12
This class will take a deeper look into meteorology, oceanography, and astronomy. The study of astronomy will include an in-depth understanding of the universe including planets, galaxies, extraterrestrial life, and the exploration of space. The study of meteorology will include: the physical and chemical composition of the atmosphere on Earth, relationship between climate and weather on Earth, weather map interpretations and predictions, and research on the global warming phenomenon. The study of oceanography will include the physical and biological diversity found in the different life zones, effects on Earth's weather and climate, the natural resources of the ocean, as well as the potential for extra solar oceans. These topics will be covered through research projects, labs, discussions, class lectures, readings in the content area and in-depth analysis of ongoing research related to these topics.

**Field Science**
Course Number: #794
Length of Course: 1 Trimester - .5 Credit
Prerequisite: None
Grade Level: 10-12
The curriculum will be executed through solo, group, and whole class activities, which may include but are not limited to: poster/presentation creation, website/blog/journal development, academic games, hands on projects, and outdoor adventures. Evaluations will be performance based. Students will have identification tests, performance projects to present, and field skills to complete.

**Bioethics**
Course Number: #713
Length Of Course: 1 Trimester - .5 Credit
Prerequisites: None
Grade Level: 11-12
By taking a bioethics class, students will increase their science literacy. Students will be able to recognize authentic information and explain what the information is telling you. Bioethics will enable students to make more informed decisions on science topics that they may come across in their lifetime. Bioethics will also lead students towards critical thinking and problem solving. Presentations, maturity, and research projects are a must in this class. Students that want to continue to be challenged in science will find this course rewarding.

**Geology**
Course Number: #7919
Length of Course: 1 Trimester – .5 Credit
Prerequisites: None
Grade Level: 11-12
This course is designed to give students an in-depth understanding of the principles related to physical geology. The emphasis of the course is to allow students to experience the way geologists work in a variety of situations to interpret information about the earth. Students will gain an understanding that without geologic processes on Earth and in particular plate tectonics,

there would be no life on Earth. Students will study the impact that plate tectonics have on the Earth in regards to the evolution of species and climates, the formation of the Earth's natural resources and the recycling of these resources as well as the formation of various landforms. In addition, students will learn to read topographic maps,
plot GPS readings with computer mapping programs and identify landforms and other information from land satellite images. The course should interest any student who wants to learn about the world around them.

**Forensics Science I & II**
Course Number: #722, #736
Length of Course: 1 Trimester each—1 Credit
Prerequisites: Biology/Chemistry
Grade Level: 11 or 12
These two one-trimester courses focus on the collection, ballistics, blood typing and splatter, hair and fiber examination, and DNA analysis. Case studies and current events will be explored. identification and analysis of crime scene evidence. They teach basic process principles of scientific thinking, and how to apply them to solve problems that are not only science-related, but cross the curriculum with critical thinking skills. Laboratory exercises will include fingerprinting, handwriting analysis, ballistics, blood typing and splatter, hair and fiber examination, and DNA analysis. case studies and current events will be explored.
Forensics Science I students will learn how to identify, collect, and preserve physical evidence from a crime scene. Laboratory exercises will include fingerprinting, document analysis, hair and fiber examina- tion, blood typing and analysis.
Forensics Science II students use the techniques in Forensics Science I along with a study of ballistics, cause of death, and weaponry to solve various crime scenes. Identify and process a crime scene. Collect and analyze evidence to determine how the crime was committed and who is guilty.

**Intro to Anatomy & Physiology**
Course Number: # 787
Length of Course: 1 Trimester – .5 Credit
Prerequisites: None
Grade Level: 10-12
Introduction to Human Anatomy and Physiology is a course for those who want to know more about the human body. This class will involve classwork, dissections, and other lab experiences to present the human body as a marvel of biological engineering. The topics studied will be skin, bones, muscles, nerves, circulation, digestion, respiration, endocrinology, reproduction and excretion. Some of these systems will be studied in a comparative way-Examining questions like: How is the fish respiratory system different from humans? This class is designed to help you learn more about the human body and hard work will be a requirement.

**Scientific Investigation**
Course Number: # 795
Length of Course: 1 Trimester—.5 Credit

Prerequisites: None
Grade Level: 9-12
This is an elective course. The curriculum will be executed watching and discussing science shows (ex.: Nova, Naturee, Mythbusters, How it's Made, TedEd, Vsauce, Closer to Truth). Students will discuss their ideas using a scientific forum. Evaluations will be performance based. Students will be evaluated on participation in class discussion, science related to shows they watch, research conducted, and a final project.

**Meteorology** - ODD YEAR
Course Number: #720
Length Of Course: 1 Trimester - .5 Credit
Prerequisites: None
Grade Level: 11-12
Through data collection, interpretation, and compilation, students will engage in weather analysis and prediction. Curricular topics include: chemical composition and physical structure of the atmosphere; solar radiation and the mechanisms of heat transfer in the atmosphere; weather elements, temperatures, pressure, wind, humidity, cloud formation and cloud types, and precipitation processes and types; air mass theory of frontal development; storms and severe weather phenomena; lake effect; weather map interpretation and prediction; and the field of climatology. Through student-centered, lab-based activities, students will gain real and practical knowledge of Earth's weather system. At the conclusion of this course, students will have practical and first hand experience in the ability to predict the weather.

**Botany -** ODD YEAR
Course Number: #723
Length of Course: 1 Trimester—.5 Credit
Prerequisites: Biology
Grade Level: 10-12
Primary emphasis will be Greenhouse Experiments— We will grow plants
Botany is a project-based course which will focus on plants! We will study plant anatomy (parts), plant physiology (function), horticulture, plant ecology (interactions) and biomes. We will also study the basics of gardening and hydroponics (growing plants without soil).

**Advanced Chemistry -** ODD YEAR
Course Number: #724, #725
Length of Course: 2 Trimesters – 1 Credit
Prerequisites: Geometry & "B" or better in Chemistry/Physics
Grade Level: 11-12
*4th year math credit if taken senior year
Advanced chemistry is for those students who enjoy chemistry or plan to attend college to obtain a degree in: science, the medical field, or engineering. This class will cover advanced topics in chemistry. A working knowledge of the topics from Chemistry I is essential to succeed in advanced chemistry. Possible topics of study include: gases/gas laws, thermo-chemistry,

solubility/solutions, acid/base chemistry, chemical kinetics, equilibrium, redox reactions, and electrochemistry.

**Environmental Science** - EVEN YEAR
Course Number: #712
Length of Course: 1 Trimester – .5 Credit
Prerequisites: None
Grade Level: 11-12
Environmental Science (Green Science) is the study of relationships between the environment and living organisms. Students will engage in water quality testing/Kalamazoo River, build and test a solar oven, engage in paper making from invasive plants, learn about GMO's (Genetically Modified Foods) and discuss current environmental topics: Global Warming, Asian Carp, Giant Hogweed and much more.

**Astronomy -** EVEN YEAR
Course Number: #721
Length of Course: 1 Trimester – .5 Credit
Prerequisites: None
Grade Level: 11-12
This course is designed to give students an understanding of the universe. Astronomy is a fascinating field to study and is an area that scientists are continually learning new things. In this course, students will engage in the formal study of our solar system; Earth-Sun and Earth-Moon systems; nature, composition, life cycle of stars, star clusters, constellations, and galaxies; scientific theories concerning the origin and evolution of the universe; and the history and importance of space exploration as well as identifying and participating in the latest research on space travel and the search for extrasolar planets. This course will incorporate lab-based student- observation & interpretative nature of the study of astronomy.

**Advanced Physics -** EVEN YEAR
Course Number: #726, #727
Length of Course: 2 Trimesters - 1 Credit
Prerequisites: Geometry and Chemistry/Physics
Grade Level: 11-12
*4th year math credit if taken in senior year
Physics is a fun, fast paced course, which looks at the physical world around us. This course will use mathematics and calculations to explore how things work. This class will be full of experiments, projects, and fun. Topics of study include me-

**SOCIAL STUDIES** - Graduation Requirements for Social Studies are:
•1.0 Credit Freshmen Year - Economics/Civics and U.S. History I
•1.0 Credit Sophomore Year - World History
•1.0 Credit Junior Year - U.S. History II and III or Honors U.S. History II and III
•0.5 Credit Senior Year - Government
All other courses are electives and count toward the elective requirement for graduation.

**Economics**
Course Number: #801
Length Of Course: 1 Trimester – .5 Credit
Prerequisites: None
Grade Level: 9
This twelve-week freshman course will cover two social studies topics to help prepare students for future Social Studies courses. Students will have six weeks each of civics and economics.

**U.S. History I**
Course Number: #802
Length of Course: 1 Trimester – .5 Credit
Prerequisites: None
Grade Level: 9
This one trimester freshman year course covers United States History from 1896-1929. Topics to be covered are the Western movement, Industrialization, Urbanization, the Progressive movement, America Becomes a World Power, World War I and the Twenties.

**World History**
Course Number: #803, #804
Length of Course: 2 Trimesters – 1 Credit
Prerequisites: None
Grade Level: 10
World History is a class that focuses on the diversity of people and countries around the world. This is a hands-on course, which uses a wide variety of resources to help students become more familiar with their ever-changing world. Cultural, economical, geographical, historical, political, religious, and social issues will be dealt with in the study of our world.

**U.S. History II and III**
Course Number: #805, #806
Length Of Course: 2 Trimesters - 1 Credit
Prerequisites: None
Grade Level: 11
U.S. History II: This twelve-week junior class, to be taken after History I, will cover United States History from 1898 through 1945. Topics include the rise of the United States as a world power, the Twenties, World War I, the Great Depression, and World War II.

U.S. History III: This twelve-week junior class, to be taken after History II, will cover United States History from 1945 to present. Topics include the Cold War, the Fifties, the Civil Rights Movement, the Sixties, the Vietnam War, and various political, economic and social movements of the Seventies, Eighties, and Nineties.

**Honors U.S. History II and III**
Course Number: #807, #808
Length of Course: 2 Trimesters – 1 Credit
Prerequisite: None
Grade Level: 11
This course content will be the same as in a regular United States history class; however, the difference will be one of depth. Students can expect to learn more detail and have a greater understanding of why things happened, not just what happened. This will require active participation – the class is not for spectators! Plan to research, hypothesize, analyze, discuss, write and think.

**Government**
Course Number: #809
Length Of Course: 1 Trimester – .5 Credit
Prerequisites: None
Grade Level: 12
This course includes an in-depth study of the constitution, primarily focusing on the three branches of United States government. Current events will be used to discuss national, state and local politics.

**The Holocaust**
Course Number: #812
Length Of Course: 1 Trimester - .5 Credit
Prerequisites: None
Grade Level: 11-12
This social studies elective will cover events of the Holocaust in detail and discuss other 20th Century genocides. Emphasis will be placed on the implications of these events for the 21st Century.
Anti-Semitism, the rise of Hitler, and the role of perpetrators, victims, bystanders and rescuers are some of the topics to be covered.

**The American West**
Course Number: #814
Length Of Course: 1 Trimester - .5 Credit
Prerequisites: None
Grade Level: 10-12
This social studies elective is intended to give students a closer look at the “Wild West” from the time of Lewis and Clark (1804) to the Battle of Wounded Knee (1890). Studies will include the

original inhabitants of the West, the invaders of the West and what happened when these two groups clashed.

**Current World Issues**
Course Number: #815
Length of Course: 1 Trimester – .5 Credit
Prerequisites: None
Grade Level: 10-12
Current World Issues is designed to give students a global perspective of world issues that will affect them and their futures. The course will focus on the “hot spots” at any given point in time, global problems, regional issues, ethnocentrism, etc. The students will also gain knowledge in using the vast information technology that we will have available, as well as the traditional sources of information.

**Sociology**
Course Number: #813
Length: 1 Trimester .5 Credit
Prerequisites: Economics, U.S. History 1
Grade Level: 10-12
This is an elective course that focuses on the behavior of people in groups. Career opportunities in sociology include research, teaching, law enforcement, business and counseling.
Topics include:
History of Sociology/Sociological Perspectives, Socialization, Race & Ethnicity, Social Stratification, Deviance & Crime, Marriage & Family and Social Movements.
Methods of instruction will include research projects, lectures, and simulations. Student learning will be assessed on a formative and summative basis. Materials used in class include online textbook, articles, news stories, and research data.

**ADDITIONAL ELECTIVE COURSES** - The following courses are electives and will help fulfill the elective graduation requirements.

**Senior Seminar**
Course Number: #360
Length Of Course: 1 Trimester – .5 Credit
Prerequisites: None
Grade Level: 12
*4th year math
Senior Seminar will include instruction in a wide variety of skills students will need to have in their daily lives. These skills range from the practical skill of establishing a budget, renting an apartment, balancing a checkbook and completing an income tax return to human interaction skills such as communication and problem solving necessary in all relationships.

**Yearbook**
Course Number: #362, #363, #364
Length of Course: 3 Trimesters - 1.5 Credits
Prerequisites: Grade Level: 10-12
REQUIRES APPLICATION—Due March 5, 2021
Students will actively participate in all of the processes, which lead to the production of a yearbook. This will include: photography, layout and design, advertising, typing, accounting, artwork, and composing body copy. This is an elective course. English credit is not given. Students must submit a completed application to be considered for this class.

**Leadership**
Course Number: #365
Length of Course: 1 Trimester—.5 Credit
Prerequisites: None
Grades: 9-12
Successful athletes, powerful business people, and highly effective individuals- What do they have in common? They must have strong leadership skills to achieve success. This class is designed to teach students leadership skills that will be important to their future—regardless of career goals. This class teaches several of the new “basic skills” identified as crucial for success into the next century. These skills include problem solving and creative thinking; self-esteem, goal setting and motivation; interpersonal skills and team work; situational leadership and communication. The class emphasizes small group work and hands-on experiences.

**Peer-to-Peer (P2P)**
Course Number: #453
Length of Course: 1 Trimester—.5 Credit
Prerequisites: None
Grade Level: 12
The student enrolled in the Peer-to-Peer program (P2P) will be a mentor, role model, and friend to a student with a disability. In this role, the peer student will be with their assigned student for one class period per day. In addition to being a mentor, role model, and friend, they will assist the student in such things as appropriate classroom behavior, organization of assignments, independence and high school
social skills. The P2P student will complete weekly reflections to discuss the progress of their focus student, and contribute ideas on how to more effectively help with student progress toward his/her goals.

# Kalamazoo Countywide Career and Technical Education Courses (CTE) for Merit Academic Credit 2023-24

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

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

Completion means 2 full semesters except for those programs in ***bold and italicized*** below which take 4 full semesters.
*For a completer of in-house trimester programs - see instructor. One trimester does **not** indicate a completed program.

| Arts and Communications Pathway | Site | Visual, Performing & Applied Arts |
|---|---|---|
| Art and Design Career Skills | Kalamazoo Central High School | Yes |
| Media Production | Public Media Network/Epic Center | Yes |
| **Business, Management, Marketing and Technology Pathway** | **Site** | **Visual, Performing & Applied Arts** |
| 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 |
| **Engineering, Manufacturing, Industrial Technology Pathway** | **Site** | **Visual, Performing & Applied Arts** |
| 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 |
| Health Sciences Pathway | Site | Visual, Performing & Applied Arts |
| 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 | |
| Human Services Pathway | Site | Visual, Performing & Applied Arts |
| ***Cosmetology/Barbering*** | West MI College of Barbering & Beauty | Yes |
| ***Law Enforcement*** | KVCC - Texas Township Campus | |
| Teacher Academy | Gull Lake, Loy Norrix, Portage Northern | Yes |
| Natural Sciences & Agri-Science Pathway | Site | Visual, Performing & Applied Arts |
| Agri-Science:  Animals and Plants | Vicksburg | |
| Conservation Biology | Kalamazoo Nature Center Heronwood | |
| Horticulture | Vicksburg | |
| Veterinary Science | Vicksburg | |
| Wildlife & Natural Resources | Vicksburg | |

Revised: November 18, 2022

# KRESA Career and Technical Education (CTE)
# (Formerly Education for Employment-EFE)
# 2023-2024 Course Descriptions

## ARTS AND COMMUNICATION CAREER PATHWAY

**Art & Design Career Skills**
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.

**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 & Applied Arts Credit*
*This is an Early/Middle College eligible program.*

**Media Production**
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.

**Potential for articulated credits with Kalamazoo Valley Community College*
**2nd World Language Credit*
**3rd Science Credit*
**4th Related Math Credit*
**Visual Performing & Applied Arts Credit*

# BUSINESS MANAGEMENT, MARKETING & TECHNOLOGY PATHWAY

**Basic Accounting/Accounting I**
This course provides students with basic recordkeeping skills for small businesses. Using both manual and computerized methods, students start accounting systems, record business transactions for sole proprietorships and partnerships, and practice petty cash and payroll procedures.

**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*
*This is an Early/Middle College eligible program.*

**Advanced Accounting/Accounting II**
Students who enroll in the second year become proficient in computerized systems, advanced application, analysis and financial decision making. Competencies include departmentalized accounting procedures, completing payroll, budgeting, and financial analysis.

**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.*

**AP (Advanced Placement) Computer Science Principles**
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.

**Potential for articulated credits not yet developed*
**2nd World Language Credit*
**3rd Science Credit*
**4th Related Math Credit*

**Banking & Finance**
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.

**Potential for articulated credits with Davenport University*
**2nd World Language Credit*
**3rd Science Credit*
**4th Related Math Credit*

**Business Administration Management & Operations (BMA)**
This course provides students with a solid foundation of business skills, knowledge and understanding that are necessary for success in a global society. Topics include human resources, operations and quality management, communications, business management and leadership, project management, business ethics, international business, employability skills, career exploration and more. Students will utilize information technology and software applications to complete business projects and share ideas. Students will learn to solve business problems that occur in the working environment. This exciting business class prepares students for employment and for the pursuit of a business degree after high school.

**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 & Applied Arts Credit*
*This is an Early/Middle College eligible program.*
*Credential options: MS Excel, MS Powerpoint, MS Word, Communication Skills for Business, Entrepreneurship and Small Business*

**Computer Science/Software Engineering**
Computer Science Software Engineering provides an excellent introduction into the computer science world. In this course, students dive into the world of programming using Python; edit images using GIMP (Graphic Image Manipulation Program), create a short film; and learn the importance of file management using Linux Ubuntu Virtual Environment. Students will also use professional-level IT (Info Tech) applications such as Git Hub and Python Integrated Development Environments (IDE) and even program and drive drones and robots using Software Development Kits and Arduino Microprocessors. Students will learn the impact of a computing society and the application of computing across career paths.

**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: C++, PC Pro, Java Script, Python and more depending on student interest.*

**Culinary Arts**

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.

**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 & Applied Arts Credit*
*This is an Early/Middle College eligible program.*
*Credential options: ServSafe Allergen, Handler, and Manager*

**Information Technology I**

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.

**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+*

**Information Technology II**

Students returning for a second year of Information Technology will take a deeper dive into opportunities, work semi-independently and focus on one or more of the following areas of IT: networking, cybersecurity, servers, or Linux.

*Networking:*Before you can secure a network, you need to understand how it works. Topics include Switching & Routing, Network Address & Services, Specialized Networking, Hardening & Update management, Wide Area Network, Optimization & Troubleshooting.

*Cybersecurity:* Once a student understands how a network works it can be secured. Topics include: threats, attacks & vulnerabilities; identity, access, & account management; incident response; forensics & recovery; virtualization; cloud & 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.

**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*

**Marketing/Entrepreneurship**

Marketing is the process of planning, pricing, promoting, selling and distributing ideas, goods or services to create exchanges that satisfy a customer. Course work teaches the principles of advertising, display, sales, merchandising, economics and marketing in a global economy. Students train in techniques that businesses and organizations use to persuade consumers to buy products or use services. Students will learn about types of social media and the social media strategies businesses utilize to meet their marketing goals. This exciting course teaches many transferable skills that students can use immediately in the workplace or to pursue a business degree at a postsecondary institution.

**Potential for articulated credits with Baker College, Davenport University, Kalamazoo Valley Community College*
**2nd World Language Credit*
**3rd Science Credit*
**4th Related Math Credit,*
**Visual Performing & Applied Arts Credit*
*This is an Early/Middle College eligible program.*

## ENGINEERING, MANUFACTURING, INDUSTRIAL TRADES PATHWAY

**Automotive Technology**

This National Institute for Automotive Service Excellence (ASE) certified program covers these areas of automotive service: engine, brakes, electrical & electrical systems, steering & suspension, auto & 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.

**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*
*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*

**Aviation Technology**

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.

**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*

**Computerized Manufacturing**
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.

**Potential for articulated credits with Kalamazoo Valley Community College*
**2nd World Language Credit*
**3rd Science Credit*
**4th Related Math Credit*
**Visual Performing & Applied Arts Credit*
*This is an Early/Middle College eligible program.*

**Construction Trades**
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.

**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 & Applied Arts Credit*
*Credential option: United Brotherhood Career Connections*

**Electrical Technology**
Students in this course are dually enrolled and have the opportunity to 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.

**Dual enrollment at Kalamazoo Valley Community College - 6 College Credits*
**2nd World Language Credit*
**3rd Science Credit*
**4th Related Math Credit*

**Electronics & Robotics**

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.

**Potential for articulated credits with Baker College, Kalamazoo Valley Community College*
**2nd World Language Credit*
**3rd Science Credit*
**4th Related Math Credit*
**Visual Performing & Applied Arts Credit*

**Engineering in Wood Technology**

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.

**Potential for articulated credits with Michigan Career & Technical Institute*
**2nd World Language Credit*
**3rd Science Credit*
**4th Related Math Credit*
**Visual Performing & Applied Arts Credit*

**Heating, Ventilation & Air Conditioning**
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.

**Dual Enrollment at Kalamazoo Valley Community College - 12 College Credits*
**2nd World Language Credit*
**3rd Science Credit*
**4th Related Math Credit*

**Mechatronics**
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.

**Potential for articulated credits with Baker College*
**2nd World Language Credit*
**3rd Science Credit*
**4th Related Math Credit*
**Visual Performing & Applied Arts Credit*

**Welding**
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.

**Dual Enrollment at Kalamazoo Valley Community College - 6 College Credits*
**2nd World Language Credit*
**3rd Science Credit*
**4th Related Math Credit*
**Visual Performing & Applied Arts Credit*
*This is an Early/Middle College eligible program.*

# HEALTH SCIENCES PATHWAY

**Certified Nursing Assistant (CNA)**
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.

*2nd World Language Credit
*3rd Science Credit
*4th Related Math Credit
Credential option: CNA certificate

**Dental Assisting**
Students choosing this program will be dually 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.

**Dual enrollment at Kalamazoo Valley Community College - 7 college credits*
**2nd World Language Credit*
**3rd Science Credit*
**4th Related Math Credit*
*Credential option: CNA certificate*

**Emergency Medical Technician**
Students in this class are dually 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 prerequisite 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.

**Dual enrollment at Kalamazoo Valley Community College - 10 college credits*
**2nd World Language Credit*
**3rd Science Credit*
**4th Related Math Credit*
*This is an Early/Middle College eligible program.*
*Credential options:Medical First Responder (MFR) and Basic EMT*

**Health Science**
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.

**Embedded dual enrollment 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: Basic Life Support (BLS)*

**Professional Health Science**
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.

**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)*

# HUMAN SERVICES PATHWAY

**Cosmetology/Barbering**

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.

*Cosmetology/Barbering Licensure*
**Potential for articulated credits with Davenport University, Ferris State University*
**2nd World Language Credit*
**3rd Science Credit*
**Visual Performing & Applied Arts Credit*
**4th Related Math Credit*
*Credential options: State of Michigan Cosmetology or Barbering Licensure*

**Law Enforcement I**

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 & written communication skills. The program follows MCOLES (Michigan Commission on Law Enforcement Standards) and police academy standards, as well as current college curriculum.

**Potential for articulated credits with Baker College, Davenport University, Kalamazoo Valley Community College*
**2nd World Language Credit*
**3rd Science Credit*
**4th Related Math Credit*

**Law Enforcement II**

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 the second semester, applying the knowledge, skills, and ethics learned to real world situations.

**Potential for articulated credits with Baker College, Davenport University, Kalamazoo Valley Community College*
**2nd World Language Credit*
**3rd Science Credit*

**4th Related Math Credit*

**Teacher Academy**

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. 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 a 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

**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 & Applied Arts Credit*
**4th Related Math Credit*
*Credential option: Child Development Associate (CDA)*

## NATURAL/AGRI-SCIENCE PATHWAY

**Agriscience: Animals and Plants**

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.

**Potential for articulated credits with Davenport University*
**2nd World Language Credit*
**3rd Science Credit*
**4th Related Math Credit*

**Conservation Biology**
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.

**Potential for articulated credits with Davenport University*
**2nd World Language Credit*
**3rd Science Credit*
**4th Related Math Credit*

**Horticulture**
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.

**Potential for articulated credits with Kalamazoo Valley Community College*
**2nd World Language Credit*
**3rd Science Credit*
**4th Related Math Credit*

**Veterinary Science**
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.

**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*

# WORK-BASED LEARNING

**CTE Work-Based Learning**
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 a 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.

**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.

# EDUCATION FOR THE ARTS 2022-2023 COURSE DESCRIPTIONS

## DANCE

**Beginning Dance Studio**
Comstock / Loy Norrix / Kalamazoo Central / Parchment / Galesburg-Augusta
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 an 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**
Kalamazoo Central / Loy Norrix
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.

## LITERARY ARTS

**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 the student performing one of their assignments, and an online portfolio.

**Comics, Manga and Graphic Novel Arts** - Web based and at High School
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.

## MEDIA ARTS

**Film and Video Arts** - Kalamazoo Central and Vicksburg High Schools
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** - Kalamazoo Central and Vicksburg High Schools
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** - Epic Center Public Media Network
Introduction to the technical and creative fundamentals of 3D Animation software. Students will learn core concepts such as modeling, mapping, storyboard/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** - Kalamazoo Valley Community College – Center for New Media -
EFA/KVCC Dual Enrolled Program
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
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.

**Digital StudioArt** -Web based and Epicenter Public Media Network
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.

**Digital PhotoArt** -Web based and Epicenter Public Media Network
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.

## THEATRE

**Advanced Musical Theatre** - Portage Northern High School
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** - Comstock and Climax-Scotts High Schools
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 theaters to experience a variety of stage productions.

**Hip Hop 180** - Loy Norrix High School
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.

## VISUAL ARTS

**Visual Arts Exploration** - Kalamazoo Institute of Arts - Wednesday evenings, one semester.
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.

**Advanced Visual Arts Studio** - Kalamazoo Institute of Arts - School day, full year.
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.

# Application for Honors or Advanced Placement English

Name of Student: _____

Current Grade (circle one): 8 9 10 11

Course (mark one):

____Honors English I

____Honors English II

____Honors English III

____Senior Advanced Placement English

Current English Teacher: _____

Grade in Current English class (circle one) A B C D

Do you plan to attend KAMSC, CTE or EFA programs next year? Yes _____ No _____

Personal Information: Honors and Advanced Placement English courses are designed to challenge students with reading, writing, speaking and listening at deeper, more intensive levels than the regular English classes do. A large amount of time outside of class is needed to complete the reading and writing assignments, including a summer reading and essay assignment. Classes involve discussion in small and large groups, and all students are expected to participate constructively in these discussions. Your ability to read analytically and your strengths in clear writing will help you succeed; however, your commitment to do the work assigned and actively participate in class every day will more accurately determine your actual grade in the class.

Attach a type-written biographical sketch that includes the following:

Your name
Your reason for choosing an advanced level English class
Your strengths in reading, writing, speaking and listening
Your weaknesses (areas you would like to improve)
Your level of commitment to the work required
Your other positive characteristics that will enrich the class

**PLEASE RETURN THIS APPLICATION TO YOUR COUNSELOR BY MARCH 3, 2023**

# GRIEVANCE PROCEDURES FOR NONDISCRIMINATION

Any person who believes that s/he has been discriminated against or denied equal opportunity or access to programs or services may file a complaint, which shall be referred to as a grievance, with the District's Civil Rights Coordinator, Assistant Superintendent, Parchment School District, 520 N. Orient Street, Parchment, MI 49004, 269-488-1050.

The person who believes s/he has a valid basis for grievance shall discuss the grievance informally and on a verbal basis with the District's Civil Rights Coordinator, who shall in turn investigate the complaint and reply with an answer to the complainant. S/He may initiate formal procedures according to the following steps:

**Step 1**: A written statement of the grievance signed by the complainant shall be submitted to the District's Civil Rights Coordinator within five (5) business days of receipt of answers to the informal complaint. The Coordinator shall further investigate the matters of grievance and reply in writing to the complainant within five (5) business days.

**Step 2**: If the complainant wishes to appeal the decision of the District's Civil Rights Coordinator, s/he may submit a signed statement of appeal to the Superintendent of Schools within five (5) business days after receipt of the Coordinator's response. The Superintendent shall meet with all parties involved, formulate a conclusion, and respond in writing to the complainant within ten (10) business days.

**Step 3:** If the complainant remains unsatisfied, s/he may appeal through a signed written statement to the Board of Education within five (5) business days of his/her receipt of the Superintendent's response in step two. In an attempt to resolve the grievance, the Board of Education shall meet with the concerned parties and their representative within twenty (20) business days of the receipt of such an appeal. A copy of the Board's disposition of the appeal shall be sent to each concerned party within ten (10) business days of this meeting.

Inquiries concerning the nondiscriminatory policy may be directed to the Director, Office for Civil Rights, Department of Education, Washington, D.C. 20201.

The District's Coordinator will provide a copy of the District's grievance procedure to any person who files a complaint and will investigate all complaints in accordance with this procedure.

A copy of each of the Acts and the regulations, on which this notice is based, may be found in the Civil Rights Coordinator's office.