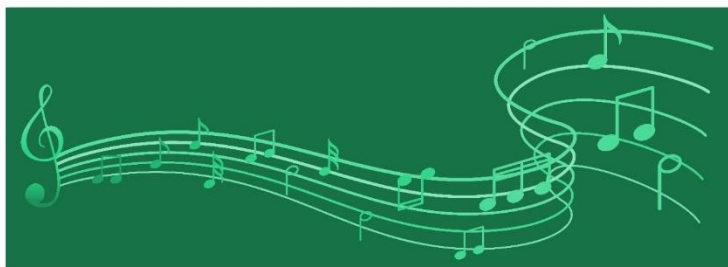


Heritage High School



COURSE OFFERING BOOK

2023-2024

COURSE OFFERING BOOK

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The contents of this Course Offering Book are subject to change with or without notice

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HERITAGE HIGH SCHOOL

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Saginaw, MI 48603

(989) 799-5790

www.stcs.org/heritage

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COUNSELING & GUIDANCE

The Guidance Department is primarily concerned with meeting students' needs and helping the student understand, develop, and relate abilities and interests to the school and to future planning. The following is the counselor assignments according to student's last name:

Counselor Last names A-C & P-Z (10 th – 11 th Grade) Last names A-B & P-Z (12 th Grade)	William Beck	(989) 399-8032	wpbeck@stcs.org
Counselor Last name D-O (10 th – 11 th Grade) Last names C-O (12 th Grade)	Nicole Greenia	(989) 399-8033	nlgreeni@stcs.org
Counselor (Freshmen only)	Stacey Stahl	(989) 399-8045	sjstahl@stcs.org
AP Coordinator	Heather Brinkman	(989) 399-8031	hbrinkm@stcs.org
School Social Workers	Michelle Bell Kimberly Cole	(989) 399-8073 (989) 399-8004	mmbell@stcs.org kmcole@stcs.org
Work Based Learning Coordinator	Sue Hill	(989) 399-8066	sdhill@stcs.org
School Psychologist	Becky Tiret	(989) 399-8058	batiret@stcs.org
Special Education Coordinator	Bradley Gomoluch	(989) 399-8054	brgomolu@stcs.org

Counseling activities include a wide range of services. They include holding individual and group problem solving conferences, counseling college bound students, scheduling, and making provisions for the distribution of educational, occupational, and vocational information. Large and small group meetings are also held with students and college admissions counselors, representatives of various trade and business schools, Armed Service representatives, and many others. Only the major services of the Counseling Department have been mentioned. The counselors perform innumerable services for students and they are always ready to assist them.

MICHIGAN MERIT CURRICULUM

Graduation Requirements for Heritage High School

All students must take seven credit hours each year. The requirements for graduation from the Saginaw Township Community Schools are twenty-six (26) credits as listed below:

- **Four credits of English Language Arts:** Four English Language Arts credits must be fulfilled by a course in:

English 9	1.0 credit
English 10	1.0 credit
English 11	1.0 credit
English 12	1.0 credit

- **Four credits of Mathematics:** Students are required to have four credits of Mathematics:

Geometry	1.0 credit
Algebra	1.0 credit
Algebra II	1.0 credit
1 additional Math Credit	1.0 credit

The fourth math credit may be chosen from approved offerings. Each pupil must successfully complete at least 1 mathematics course during his or her final year of high school enrollment. Please refer to the Senior Year Math Credit Options page.

- **Three credits of Science:** Students are required to have three credits of Science:

Biology	1.0 credit
Chemistry, Physics, or Anatomy	1.0 credit
1 additional Science Credit	1.0 credit




- **Three credits of Social Studies:** These three Social Studies credits must be fulfilled by a course in:




US History 1870 to Present	1.0 credit
World History	1.0 credit
Economics	.5 credit
US Government	.5 credit

- **One-half credit of General Physical Education:** This one-half credit can be fulfilled by completing the course “General Physical Education”, by completing the P.E. Credit Application (see Physical Education section), or P.E. Test out. Medical Waivers must be submitted to the Graduation Exemption Committee for approval.
- **One-half credit of Health Education**
- **One credit in Visual, Performing, and Applied Arts (VPAA)**
- **Additional elective credits to meet graduation requirements**
- **Online Learning Experience** (This experience will be incorporated into required credits.)
- **Two credits of a World Language:** Students need two credits; one can be fulfilled with a VPAA approved course and one can be earned at the middle school. Students can also pursue credit(s) through Alternative Equivalency by providing a foreign transcript.

Students must take all sections of the 11th grade assessments mandated by the Michigan Department of Education.

CAREER ZONES

Zones	Is this the Career Zone for you?	Career Clusters	Course Offerings			
 Arts and Communication	<p>Are you a creative thinker?</p> <p>Are you imaginative, innovative, and original?</p> <p>Do you like to communicate ideas?</p> <p>Do you like making crafts, drawing, playing a musical instrument, taking photos, or writing stories?</p>	-Arts A/V Technology & Communication	E100 Introduction to Art 156 E101 Art History I 158 102 Art I 180 104 Art II 416 108 Art Workshop 575 110 Acc Vis Art & Design 578 112 Drawing 574 116 Ceramics I 561 117 Ceramics II 564 130 Concert Orchestra 566 132 Philharmonic Orch. 567 134 Wind Ensemble 136 Symphonic Band 144 Beginning Guitar 145 Intermediate Guitar 148 Keyboard Piano	Madrigal Choir Heritage Hi-Fi's Choir Music Theory I Interior Design Drama I Play Production Forensics Writing for Publications Adv Writing for Pub Film 1 & TV Pro I TV Production II		
 Business, Management, Marketing and Technology	<p>Do you enjoy being a leader, organizing people, planning activities, and talking?</p> <p>Do you like to work with numbers or ideas?</p> <p>Do you enjoy carrying through with an idea and seeing the end product?</p> <p>Do you like things neat and orderly?</p> <p>Would you enjoy balancing a checkbook, following the stock market, holding an office in a club, or surfing the internet?</p>	-Business, Management & Administration -Finance -Hospitality & Tourism -Information Technology -Marketing	201 Introduction to Business 414 204 Accounting I 416 206 Accounting II 574 225 Integrated Business Sol. 561 234 Marketing I 564 236 Marketing II E630 237 Marketing Retail App S1 651 238 Marketing Retail App S2 652	Independent Living Interior Design Forensics Writing for Publication Adv Writing for Pub Personal Finance Comp. Sci. Discoveries Computer Applications AP Computer Science Principles Programming I Desktop Publishing Multimedia Programming II AP Comp Science A		
 Engineering, Manufacturing & Industrial Technology	<p>Are you mechanically inclined and practical?</p> <p>Do you like reading diagrams and blueprints, and drawing building structures?</p> <p>Are you curious about how things work?</p> <p>Would you enjoy painting a house, repairing cars, wiring electrical circuits, or woodworking?</p>	-Architecture & Construction -Energy -Manufacturing -Science, Technology, Engineering & Mathematics -Transportation, Distribution & Logistics	452 Wood Tech I 832 457 Wood Tech II 833 451 Metals Tech I 458 Metals Tech II 459 Construction Tech 470 Engineering CAD/CAM 623 Precalculus 625 AP Calculus AB 626 AP Calculus BC	AP Physics 1 AP Physics 2		

Pathways	Is this the Career Zone for you?	Career Clusters	Course Offerings
 <p>Health Sciences</p>	<p>Do you like to care for people or animals that are sick or help them stay well?</p> <p>Are you interested in diseases and how the body works?</p> <p>Do you enjoy reading about science and medicine?</p> <p>Would it be fun to learn first aid or volunteer at a hospital or veterinary clinic?</p>	-Health Science	<p>703 Aquatics</p> <p>725 Outdoor Pursuits</p> <p>727 Leadership in Sports</p> <p>751 Health Education</p> <p>718 Strength Trng & Cond</p> <p>724 Team Sports</p> <p>812 AP Biology</p> <p>829 AP Chemistry</p> <p>832 AP Physics 1</p> <p>833 AP Physics 2</p> <p>840 Human Anat/Phys</p> <p>955 Psychology</p> <p>956 Intro to Sociology</p>
 <p>Human Services</p>	<p>Are you friendly, open, understanding, and cooperative?</p> <p>Do you like to work with people to solve problems? Is it important to you to do something that makes things better for other people?</p> <p>Do you like to help friends with family problems?</p> <p>Do you like reading, storytelling, traveling, or tutoring young children?</p>	<p>-Education & Training</p> <p>-Government & Public Administration</p> <p>-Human Services</p> <p>-Law, Public Safety, Corrections & Security</p>	<p>015 Peer to Peer</p> <p>408 Parenting & Child Dev</p> <p>414 Independent Living</p> <p>955 Psychology</p> <p>956 Intro to Sociology</p> <p>958 Peer Counseling I</p> <p>959 Peer Counseling II</p> <p>960 Peer Counseling III</p> <p>961 Leadership Development</p> <p>962 Intro to Leadership</p> <p>998 T.A.P.</p>
 <p>Natural Resources & Agriscience</p>	<p>Are you a nature lover?</p> <p>Are you practical, curious about the physical world, and interested in plants and animals?</p> <p>Do you enjoy hunting or fishing?</p> <p>Do you like to garden or mow the lawn?</p> <p>Are you interested in protecting the environment?</p>	<p>-Agriculture, Food & Natural Resources</p> <p>-Energy</p>	<p>201 Intro to Business</p> <p>234 Marketing I</p> <p>236 Marketing II</p> <p>804 Earth & Space Science</p> <p>805 Physical Science</p> <p>809 AP Env Science</p> <p>810 Biology</p> <p>812 AP Biology</p> <p>829 AP Chemistry</p> <p>850 Astronomy</p>

Many of the Potential Careers can be obtained by earning a High School Diploma. Some of the Potential Careers may require some post-secondary education such as Community College or Technical Training, and some may also require four or more years of college. Further research on Potential Careers can be found at [Xello](#).

Senior Year Math Credit Options

Senior year math credits are for students who have successfully completed the required courses of Geometry, Algebra and Algebra II and need to fulfill a fourth credit of math during their final year of high school as required by the Michigan Merit Curriculum.

Math Courses

AP Calculus AB	1.0 Credit
AP Calculus BC	1.0 Credit
Problem Solving in Mathematics	1.0 Credit
AP Precalculus	1.0 Credit
Precalculus	1.0 Credit
Finite Mathematics	1.0 Credit
AP Statistics	1.0 Credit

Industrial Technology

Metals Technology I	.5 Credit
Metals Technology II	.5 Credit
Wood Technology I	.5 Credit
Wood Technology II	1.0 Credit
Construction Technology	1.0 Credit

Information Technology

AP Computer Science Principles	1.0 Credit
AP Computer Science A	1.0 Credit

Science

*AP Physics 1	1.0 Credit
*AP Physics 2	1.0 Credit

*Physics courses can be used to fulfill the senior math requirement if and only if the physics credit is NOT needed to fulfill the required science curriculum of the Michigan Merit Curriculum.

Business/Careers

Accounting I	1.0 Credit
Accounting II	1.0 Credit
Marketing Retail Applications (Semester 1)	.5 Credit
Marketing Retail Applications (Semester 2)	.5 Credit

Music

Music Theory I	.5 Credit
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Online Courses

Introduction to Statistics	1.0 Credit
Math Models & Applications	1.0 Credit
Financial Math	1.0 Credit

Visual, Performing, and Applied Arts Electives

Students must take a minimum of one credit from the Visual, Performing, and Applied Arts (VPAA) elective list of courses. The remaining credits required for graduation may be a combination of VPAA or other offerings.

Art

Art I
Art II
Art Workshop
Accelerated Art and Design
Drawing
Ceramics I
Ceramics II

Music

Concert Orchestra
Philharmonic Orchestra
Wind Ensemble
Symphonic Band
Beginning Classical Guitar
Intermediate Guitar
Keyboard Piano
Heritage Hi-Fi Choir
Madrigal Choir
Music Theory I

Business Careers

Introduction to Business
Accounting I
Accounting II
Integrated Business Solutions
Marketing I
Marketing II

Family and Consumer Science

Parenting & Child Development
Independent Living
Interior Design

Theater

Forensics
Drama I
Play Production

Information Technology

Writing for Publication: Photojournalism
Advanced Writing for Publication: Yearbook
Film 1 and TV Production I
TV Production II
Computer Applications
Programming I & II
Desktop Publishing
Multimedia

World Languages

French I, II, III
French IV
AP French Language and Culture
Latin I, II, III & IV
Spanish I, II, III
Spanish IV
AP Spanish Language and Culture

Industrial Technology

Metals Technology I
Wood Technology I
Wood Technology II
Metals Technology II
Construction Technology
Engineering CAD/CAM

Special Offerings

Peer to Peer
Peer Counseling I, II, & III
Leadership Development
Tutor Assistance Program (TAP)
Saginaw Career Complex
Work Based Learning (SE)
Work Based Learning (WBL/Co-op)
Introduction to Leadership

Edgenuity Courses

Introduction to Art
Art History

COUNSELING/STUDENT SERVICES

Personal needs or concerns can seriously threaten and interfere with the educational development of students. Parents and students have the responsibility to provide the school with information that may be useful in making intelligent educational decisions. Schools have the responsibility to make available such counseling services (counseling, school social work, psychological evaluation) as it deems necessary under applicable circumstances to students and to inform students and parents of these services and the services of outside agencies. Students have the responsibility to inquire about available counseling services and have the right to have access to those counseling services which are made available by the school.

WITHDRAWAL FROM SCHOOL

If a student must withdraw from school for any reason, he/she must see a school counselor immediately. The counselor will advise regarding the proper procedure to minimize the loss of school credits and benefits. All books, fines, and materials must be returned according to the withdrawal procedure.

HIGH SCHOOL TRANSCRIPTS

Your high school transcript is made available to colleges, employers, military, etc. who may require this information only after a proper release form (Transcript Release Form) has been completed. This form is good until the student graduates. Students will be charged a one-time \$5.00 fee for transcript processing during their senior year. After graduation, there is a \$5 fee for *each* transcript.

WORKBOOKS/LAB FEES

Workbooks will be available for use within the classroom. If a student would like to own a workbook, it will be available for purchase.

Supplies for students to be successful in class will be provided. Any items above and beyond course requirements may require a fee. See course description to identify if fees are required.

NATIONAL COLLEGIATE ATHLETIC ASSOCIATION (NCAA) CLEARINGHOUSE ELIGIBILITY

In order to participate in collegiate athletics, students must register with the NCAA at www.eligibilitycenter.org. This should be initiated in the student's junior year. NCAA Division I and Division II require 16 core courses. See the charts below.

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/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.

Division I core GPA required to be eligible for competition on or after August 1, 2016, is 2.300. Division II requires a core GPA of 2.2. Be sure to look at Heritage's List of NCAA Courses on the NCAA Eligibility Center's website (www.eligibilitycenter.org). Only courses that appear on Heritage's List of NCAA Courses will be used in the calculation of the core GPA.

<u>Required Courses</u>	<u>Division I</u>	<u>Division II</u>
English	4	3
Mathematics (Algebra I or higher)	3	2
Science (natural/physical)	2	2
Additional English, Math, or Science	1	3
Social Studies	2	2
Additional Core Courses*	4	4

*From any core area, foreign language, comparative religion/philosophy.

CLASS SEQUENCING

All courses will be taken in appropriate grade level sequence unless a student has successfully completed course requirements through test out or waiver.

Advanced Placement Courses

Heritage High School offers several Advanced Placement (AP) courses. These courses culminate with national (AP) standardized assessments for a cost. There is a grant offered by the state of Michigan to reimburse the costs of these assessments to students that qualify for free or reduced lunch. Most AP courses are best suited for 11th and 12th graders. It is recommended that any student seeking AP coursework in 9th and 10th grades meet with his/her counselor or AP Coordinator.

- **AP Courses** have college-level expectations that almost always equate to college credit upon completion and with a qualifying score on the AP assessment.
- **All AP courses receive a grade boost**

English Language Arts

AP English Language and Composition
AP English Literature and Composition

Math

AP Precalculus
AP Calculus AB
AP Calculus BC
AP Statistics

Science

AP Biology
AP Physics 1
AP Physics 2
AP Chemistry
AP Environmental Science

Social Studies

AP United States Government and Politics
AP US History
AP European History

Electives

AP Computer Science Principles
AP Computer Science A

World Languages

AP French Language and Culture
AP Spanish Language and Culture

**** Note: Students enrolled in any AP course must pass 1st semester in order to be allowed to remain in the class for 2nd semester. In the event your student has already registered and paid for any AP exam, they will be responsible for any exam cancellation fees.**

CREDIT OPTIONS FOR DUAL ENROLLMENT

The deadline to apply for dual enrollment is May 15th for the fall semester and December 1st for the winter semester.

Post Enrollment Options Act (MCL 388.514) and Career Technical Preparation Act (MCL 388.1904)

These two acts encourage and enable **qualified** students to enroll in courses or programs in eligible postsecondary institutions. The acts **require** school districts to support dual enrollment for students in grades 9th – 12th if qualifying requirements are met.

*Qualifying Score Requirements

Students must have taken the Michigan Merit Exam (MME), PSAT, SAT, or ACT and attained qualifying scores below:

TEST	CONTENT AREA	MINIMUM DUAL ENROLLMENT QUALIFYING SCORE
MME**	ELA	2100
	Mathematics	2100
	Science	2100
	Social Studies	2100
PSAT 8/9/10/11	Critical Reading	460
	Mathematics	510
SAT	Critical Reading	480
	Mathematics	530
ACT	Mathematics	22
	Reading	22
	Science	23
	English	18
ACCUPLACER***	Reading	Check with IHE
	Writing	
	Mathematics	

**Information is based on the Michigan Department of Education [website](#), Minimum Dual Enrollment Qualifying Scores 2019-2020 & 2020-2022.*

***MME scores are based on the spring 2018 administration of the M-STEP exams.*

****There are no state approved scores for Accuplacer. Accuplacer qualifying scores are typically specific to an Institution of Higher Education (IHE).*

For more information visit the Heritage Dual Enrollment Page.

Link: <https://www.stcs.org/HHS/Department/16-Counseling/25717-Untitled.html>

ARTICULATION

Heritage High School has an articulation agreement with some colleges for certain courses taken at Heritage High School that may receive college credit (see Business section of this Course Offering Book). Ask your counselor for details.

CREDIT/NO GRADE GUIDELINES

Instructions: Read the following information very carefully.

If you decide to take a course under the credit/no grade program, you must complete and sign an application form and return it to the Counseling Office by the 10th day of the Semester. Forms are available in the Counseling Office.

Procedure: Regulations and Requirements

1. Limited to one course, each semester in the junior or senior year. This is a course in which GPA credit would be earned, but the student is requesting to not earn GPA credit and will only earn credit.
2. The course cannot be one required for graduation.
3. Complete an application form. The application form must be submitted by the end of the 10th school day of the semester. It is not valid until it is returned signed by all parties.
4. The student must have a cumulative GPA of 2.0.
5. It is recommended that the course not be in the student's major interest for his/her college preparation.
6. Students in this program will attend scheduled classes, take tests, quizzes, etc. and hand in required work.
7. At each grading period, the student will receive a report card with a "P" if a passing grade has been earned or an "E" if the student is failing the class. The student may not choose to return to a letter GPA grade for the class.
8. It remains the responsibility of the student and parents to evaluate the program in terms of NCAA guidelines, college acceptance, credits, and potential scholarship consideration.

PERSONAL CURRICULUM

Personal Curriculum guidelines have been established by STCS. Interested parents/legal guardians should contact their student's counselor or special education case provider for details.

HERITAGE HIGH SCHOOL PHYSICAL EDUCATION CREDIT APPLICATION

In accordance with Michigan Legislature Act 451 of 1976 Section 1278a, students in grades 9-11 may be excused from the physical education (PE) requirement for graduation. This can be achieved by participating in District-sponsored interscholastic athletics, cheerleading or pompon for one season or marching band or color guard for two seasons.

Should a student become injured or not complete the season for ANY reason, he/she must find an alternate way to satisfy his/her PE requirement. Participation in interscholastic athletics, marching band, color guard, cheerleading, and pompon, is a privilege, and not a right. This policy shall not in any way be construed as granting a student the right to participate in such district-sponsored activities. Board rules and policies including the Code of Conduct continue to apply. In addition, any student participating in this policy shall be subject to any athletic fee and/or pay-to-participate fee.

Procedure for Documenting Physical Education Credit Application:

1. Prior to participating in a full-season of a sport, cheerleading, pompon, or two seasons in marching band, or color guard, and by the dates listed below, the student should complete and turn in the PE Waiver Intent Form to the high school Counseling Office. PE Credit Application forms can be obtained in the Counseling Office, or downloaded from the [Counseling link](#) on the Heritage High School web page.
2. Forms will be kept in the Counseling Office until the seasons are completed. Forms will then be verified by the athletic director or marching band director and given to the Counseling Office for record keeping.
3. The Counseling Office secretary will add the PE credit to the student's official transcript.

The following due dates apply for the PE Application form:

Prior to the beginning of each semester

Prior to Enrollment (new student)

Any student who has not fulfilled the PE requirement prior to the beginning of his or her senior year will be scheduled into a PE class. Participation in an athletic team, marching band, or cheerleading will not qualify for the credit during senior year without the approval of administration.

Approved Interscholastic Athletic Teams:

Baseball	Basketball	Bowling	Cheer	Softball	Swimming
Cross Country	Football	Golf	Hockey	Volleyball	Wrestling
Lacrosse	Pompon	Ski	Soccer	Tennis	Track & Field

TEST OUT INFORMATION

Act 451, Revised School Code, 380.1278(a)(4)(c) states a school district shall grant a pupil a credit if the pupil earns a qualifying score and, as such, Heritage High School allows any high school student the opportunity to "test out" of any course offered.

Students must exhibit mastery of course content by attaining a grade of 77% or better on each component of a comprehensive final examination. Students may also be required to demonstrate mastery through basic assessments used in the class that may include, but are not limited to, components such as portfolios, performances, papers, projects and/or presentations.

Credit earned will be based on successful mastery of the required assessment and recorded as "pass" on the official transcript. The grade will *not* be included in the computation of the grade point average. Credit will be accepted as fulfillment of a requirement in a course sequence. Once credit is granted by "testing out", a student may not receive credit for a lower course in that course sequence.

Teachers are not required to provide any instruction in order to prepare students for these tests.

- Testing will be offered at HHS twice a year: August and January.
- A .5 credit course will require one exam and a 1.0 credit course will require two exams (one per semester).

REPEATING A CLASS

Elective courses: A student may repeat select elective courses for credit. Please see your counselor for that list. All grades will be used in calculating the student's grade point average-- no grades will be deleted. However, any grade boost earned because of the level of the course will not be repeated. If a student takes an AP course one year and receives the grade boost, they may repeat the course under any title but will not receive the grade boost for the second time.

Required Courses and Core Courses: A student will be allowed to repeat a core course or one required for graduation when appropriate with the guidance of the student's counselor and administrator approval. All grades will be used in calculating the grade point average-- no grades will be deleted.

SCHEDULE CHANGES

Schedule changes have a serious effect on the master schedule, individual schedules, and class size. The master schedule is developed by the number of course selections identified by students during the registration process. School administrators make decisions regarding the number of sections per department based on students' course requests. The following outlines our policy on schedule changes.

Schedule changes will be made for the following reasons:

- Completion of a summer school course • Incomplete schedule (missing a class)
- Two courses in the same period in the same semester
- Failure of a prerequisite course
- Failure of a required first semester of a course
- Master schedule conflict
- Rigor up in class selection

If there is another need to request a change, please contact your counselor for information on the correct course of action.

Please bear in mind, when you transfer from one class to another, you may be required to make up any work missed.

When students are having difficulty comprehending the subject matter in any class, they need to see their counselor as soon as possible.

Schedule changes will not be made for electives, teacher preference, or lunch preference.

ART

<u>#</u>	<u>Course</u>	<u>Grades</u>	<u>Credits</u>
102	Art I	9-12	1.0 Credit
104	Art II	10-12	1.0 Credit
108	Art Workshop	10-12	1.0 Credit
110	Accelerated Visual Art and Design	9-12	1.0 Credit
112	Drawing	9-12	.5 Credit
116	Ceramics I	9-12	.5 Credit
117	Ceramics II	9-12	.5 Credit

Supplies for students to be successful in class will be provided.

Art is beneficial to all students. Skills involving verbal communication, visual communication, and careful observation are integral to art classes. Students in technical and scientific fields as well as in fine arts will benefit from the creative problem solving necessary in art. Skills related to employment in the arts are taught in all art courses. Any one of the courses in the Art Department may be chosen to meet the Visual, Performing, Applied Arts graduation requirements.

<u>Art Course Options</u>			
<u>9th Grade</u>	<u>10th Grade</u>	<u>11th Grade</u>	<u>12th Grade</u>
Art I	Art I	Art I	Art I
Drawing	Art II	Art II	Art II
Ceramics I	Drawing	Drawing	Drawing
Ceramics II	Ceramics I	Ceramics I	Ceramics I
	Ceramics II	Ceramics II	Ceramics II
	Art Workshop	Art Workshop	Art Workshop
	Accelerated Visual Art and Design	Accelerated Visual Art and Design	Accelerated Visual Art and Design

<u>#</u>	<u>Course</u>	<u>Grades</u>	<u>Meets</u>	<u>Credits</u>
102	Art I	9-12	VPAA	1.0

Prerequisite: None. Art I is a beginner level course that introduces students to the basics of art through studio work and art history. Studio work will focus on drawing fundamentals, color theory, and basic painting and sculpture techniques. Any materials above and beyond course requirements may require a fee.

104	Art II	10-12	VPAA	1.0
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Prerequisite: 102 or 112 or permission of the instructor, \$. Art II prepares students for higher level art courses with an emphasis on skill mastery and concept development. Studio work will incorporate drawing, mixed media, and illustration techniques of current working artists. Students considering Art II should understand there is an expectation of existing Art I skills. Any materials above and beyond course requirements may require a fee.

108	Art Workshop	10-12	VPAA	1.0
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Prerequisite: 104 or 117 or permission of the instructor, \$. Art Workshop is designed to let those who have a specific interest in art develop and pursue it. It is for those students who want to improve in a specific media. Art Workshop is a studio environment where the student is responsible for electing the type of work done in the classroom. It can be any art media that the student chooses. This class is intended for students who have a serious interest in art. This course may be repeated with concurrent enrollment in 121. Any materials above and beyond course requirements may require a fee.

110	Accelerated Visual Art and Design	9-12	VPAA	1.0
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Prerequisite: 102 and 104 or permission of the instructor, \$. Accelerated Visual Art and Design is an advanced studio course in which students will improve technical artistic skills, develop a more sophisticated approach to processes and subject matter, and create a college-ready portfolio of original artwork. In this class, students will be keeping an artist's journal, exploring artistic processes, experimenting with materials, and analyzing work. This course is designed for students possessing strong creative ability, independent motivation, and a desire to create.

112	Drawing	9-12	VPAA	.5
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Prerequisite: None. Drawing is a beginning level course designed for students interested in the fundamentals of visual form. It is a foundation class for any student with an interest in art, illustration, architecture, or engineering. Specific areas of study include observational still life drawing, formal perspective and figure drawing. Any materials above and beyond course requirements may require a fee.

116	Ceramics I	9-12	VPAA	.5
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Prerequisite: None, \$. The ceramics class will cover the three main clay techniques, hand-built (pinch, slab, coil), and sculpting clay. This is an entry-level course with an emphasis on mastery of the various pottery techniques.

117	Ceramics II	9-12	VPAA	.5
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Prerequisite: 116 or permission of the instructor, \$. Ceramics II is a class for those students who are pursuing ceramics on a much higher academic level. Students will be expected to learn how to throw on the wheel and further hand building techniques that they learned in Ceramics I. They should also expect to continue creating cultural and themed based pots.

\$ - fees required

MUSIC

#	Course	Grades	Credits
130	Concert Orchestra	9-12	1.0 Credit
132	Philharmonic Orchestra	10-12	1.0 Credit
134	Wind Ensemble	9-12	1.0 Credit
136	Symphonic Band	9-12	1.0 Credit
144	Beginning Classical Guitar	9-12	.5 Credit
145	Intermediate Classical Guitar	9-12	.5 Credit
148	Keyboard Piano	9-12	.5 Credit
156	Madrigal Choir	10-12	1.0 Credit
158	Heritage Hi-Fi's Choir	9-12	1.0 Credit
180	Music Theory I	9-12	.5 Credit

Every student should have access to musical training. The study of music attempts to bring students closer to an understanding of and satisfaction with the music they experience. Training and classes for the dedicated student are offered, as well as classes for the beginning student. Concerts are offered during the school year. Various performances for the community are available. Any course in the music department can fulfill the Visual, Performing, Applied Arts (VPAA) graduation requirement.

Music Course Options

<u>9th Grade</u>	<u>10th Grade</u>	<u>11th Grade</u>	<u>12th Grade</u>
Symphonic Band	Symphonic Band	Symphonic Band	Symphonic Band
Wind Ensemble	Wind Ensemble	Wind Ensemble	Wind Ensemble
Concert Orchestra	Concert Orchestra	Concert Orchestra	Concert Orchestra
Heritage Hi-Fi's Choir	Heritage Hi-Fi's Choir	Heritage Hi-Fi's Choir	Heritage Hi-Fi's Choir
Music Theory	Music Theory	Music Theory	Music Theory
Keyboard Piano	Keyboard Piano	Philharmonic Orchestra	Philharmonic Orchestra
Beginning Classical Guitar	Beginning Classical Guitar	Keyboard Piano	Keyboard Piano
Intermediate Classical Guitar	Intermediate Classical Guitar	Beginning Classical Guitar	Beginning Classical Guitar
	Philharmonic Orchestra	Intermediate Classical Guitar	Intermediate Classical Guitar
	Madrigal Choir	Madrigal Choir	Madrigal Choir

#	Course	Grades	Meets	Credits
130	Concert Orchestra	9-12	VPAA	1.0

Prerequisite: This group is primarily for 9th – 10th grade students and requires some previous experience on a string instrument. Concert Orchestra rehearses a broad spectrum of music for public performance. Students will work to develop intermediate and advancing playing techniques, music theory and historical knowledge, and orchestral playing skills. Special opportunities include: attending clinics, solo and ensemble festivals, workshops, field trips, and statewide orchestra festivals.

132	Philharmonic Orchestra	10-12	VPAA	1.0
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Prerequisite: At least 1 year of playing in Concert Orchestra and Teacher Signature (Extensive experience on a string instrument is necessary. A required placement audition will be held in the semester that precedes the semester the student wants to join). Philharmonic Orchestra rehearses a broad spectrum of music for public performance. Students will work to expand individual playing technique, music theory and historical knowledge, and orchestral playing skills. Special opportunities include: attending clinics, solo and ensemble festivals, workshops, field trips, and statewide orchestra festivals.

134	Wind Ensemble	9-12	VPAA	1.0
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Prerequisite: Teacher Signature (Extensive experience on a wind or percussion instrument is necessary. A required placement audition will be held in the semester that precedes the semester the student wants to join). The Wind Ensemble is the most selective band in the school, allowing the best wind instrumentalists an opportunity to perform advanced literature throughout the school year. Students must have had extensive musical training and be able to attend afternoon and evening events throughout the school year. Students enrolled in the Wind Ensemble will perform at least four times throughout the school year at various concerts. In addition, the Wind Ensemble will perform at the District Band and Orchestra Festival. This course is a full year unless special permission is given by the director. Students in the Wind Ensemble must audition in the spring for placement and the audition is open to all grades. Attendance at all performances is required. The Marching Band is also a part of the Wind Ensemble and performs at all home football games, local parades, and community events.

136 Symphonic Band	9-12	VPAA	1.0
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Prerequisite: None. Previous experience on a wind or percussion instrument is helpful. The Symphonic Band gives students the opportunity to improve skills and perform on a wind or percussion instrument throughout the school year. Students must have had musical training or gain permission from the director to start training and be able to attend afternoon and evening events throughout the school year. Students enrolled in the Symphonic Band will perform at least ten times throughout the school year at various concerts and events along with an after school rehearsal schedule, especially in the fall. The course is a full year unless special permission is given by the director. All students who do not audition for the director for band placement will be placed in this ensemble. Advanced musicians are encouraged to audition for placement. Attendance at all performances is required. The Marching Band is also part of Symphonic Band and performs at all home football games, local parades, and community events.

144 Beginning Classical Guitar	9-12	VPAA	.5
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Prerequisite: None. This course is provided to allow interested students to begin learning a musical instrument. Basic music theory and music reading skills will lead into introduction to musical performance and the development of musical skills related to the classical guitar. It is highly recommended that students provide their own classical/acoustic guitar for the class. Students will be required to perform in a few evening events near the end of the semester.

145 Intermediate Classical Guitar	9-12	VPAA	.5
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Prerequisite: 144. This course continues instruction provided for the beginning class. Advanced chord study as well as more complex techniques will enhance the student's control over the musical instrument. It is highly recommended that students provide their own classical/acoustic guitar for the class. Students will be required to perform in a few evening events near the end of the semester. Students must have either been in the beginning guitar class or have permission of the instructor.

148 Keyboard Piano	9-12	VPAA	.5
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Prerequisite: None. Beginning and intermediate piano skills are taught. Theory will accompany according to the level of keyboard skill. This course is taught in the keyboard lab, so the class-size limited.

156 Madrigal Choir	10-12	VPAA	1.0
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Prerequisite: None. Course of study builds towards a presentation of two or more recorded group performances as well as study various aspects of musical culture in relation to musical elements, musical structure, musical terminology, and musical context. The student must be able to sing alone with confidence. It also provides them the opportunity to perform in the community. Membership consists of all voice parts (soprano, alto, tenor, bass). All performances are mandatory except in cases of severe illness, which will require 24 hours' notice and a doctor's note.

158 Heritage Hi-Fi's Choir	9-12	VPAA	1.0
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Prerequisite: None. Full ensemble performance group. It is an entry-level choir depending on the makeup of the class. Class activities include Choral Festival, as well as concerts. Membership consists of soprano and alto voices only. All performances are mandatory except in cases of severe illness, which will require 24 hours' notice and a doctor's note.

180 Music Theory I	9-12	VPAA, Sr Math	.5
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Prerequisite: Basic understanding of music. This course covers basic music notation, scales, intervals, chords, melody, harmony, composing, transposing, analyzing pieces of literature, and ear training.

BUSINESS AND CAREERS

#	Course	Grades	Credits
201	Introduction to Business	9-11	.5 Credit
204	Accounting I (A)	9-12	1.0 Credit
206	Accounting II (A)	10-12	1.0 Credit
225	Integrated Business Solutions	10-12	1.0 Credit
234	Marketing I (A)	10-12	.5 Credit
236	Marketing II (A)	10-12	.5 Credit
237	Marketing Retail Applications – Sem I	11-12	.5 Credit
238	Marketing Retail Applications – Sem II	11-12	.5 Credit

Business education students can develop saleable skills in preparation for entry into a business occupation. With rapidly growing technology use in business and industry, students must be prepared with an excellent business background to enter the job market or college. Several courses offered in the Business Department may be chosen to meet the VPAA graduation requirement. In addition to these classes, students will be allowed to co-op and receive credit. This application must be made to the Co-op Coordinator and approved. Students must also carry four classes to be eligible to co-op.

<u>Business & Careers Course Options</u>			
<u>9th Grade</u>	<u>10th Grade</u>	<u>11th Grade</u>	<u>12th Grade</u>
Intro to Business	Intro to Business	Intro to Business	Accounting I
Accounting I	Accounting I	Accounting I	Accounting II
	Accounting II	Accounting II	Integrated Business Solutions
	Integrated Business Solutions	Integrated Business Solutions	Marketing I
	Marketing I	Marketing I	Marketing II
	Marketing II	Marketing II	Retail Applications
		Retail Applications	Work Based Learning Co-op
		Work Based Learning Co-op	

(A) Heritage High School has an articulation agreement with some colleges for certain courses taken at Heritage High School that may receive college credit (see Accounting and Marketing). Ask your counselor for details.

All students enrolled in the above courses will be encouraged to join DECA, an association of marketing students, designed to enhance leadership, marketing, and business skills.

#	Course	Grades	Meets	Credits
201	Introduction to Business	9-11	VPAA	.5

Prerequisite: None. This class will be an overview of the field of business. Some of the topics covered are the ownership, organization, and management of business, accounting and finance, sales, marketing, human resources, legal issues, unions and government regulations. This class will assist students in their choice of business study and possible continuation.

204	Accounting I	9-12	VPAA, Sr Math	1.0
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Prerequisite: None. This is a class in which students will develop an understanding of accounting principles, which will help with future jobs involving accounting systems. Accounting offers training in personal and business records, payroll and financial reports. This class is articulated with Delta College, Baker College and Davenport University.

206	Accounting II	10-12	VPAA, Sr Math	1.0
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Prerequisite: 204. It is recommended that students pass 204 with a “C” or better. This course is a continuation of Accounting I. Students will learn advanced accounting skills for either employment or further education in the field of business. Procedures covered will be accounting for departmentalized merchandising business, end of fiscal period work, plant assets date, and figure depreciation. This course is suggested for all students interested in accounting management. This course is articulated with Davenport University and Baker College.

225	Integrated Business Solutions	10-12	VPAA	1.0
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Prerequisite: None. Open to 10th, 11th, and 12th grades. This course is a hybrid of Business Management, Entrepreneurship, and Business Law. The management section of this course will study formal organizations and administration processes. The emphasis will be on understanding the effects of management principles, leadership, and management roles. The entrepreneurship section of this course will examine the nature of entrepreneurship and role in society. The course will describe the characteristics of entrepreneurial individuals and organizations. The course will cover a variety of issues facing entrepreneurs including entrepreneurial mindset, opportunity identification, and new venture start up. The business law section of this course is concerned with the environment in which business actually operates. The emphasis will be on the relationship between the law and businesses.

234	Marketing I	10-12	VPAA	.5
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Prerequisite: None. This course offers the student the opportunity to study business marketing. The student will be introduced to the following marketing functions; planning, pricing, promotion and placement. This class will work in conjunction with, or as a continuation of, Business Ownership. The final project will be writing a marketing plan for a business. This course is articulated with Delta College, Baker College and Davenport University

236	Marketing II	10-12	VPAA	.5
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Prerequisite: 234. It is recommended that students pass 234 with a “C” or better. This course is designed to add to, and further develop the marketing skills and functions learned in Marketing I. Students will choose a specialized field of study from Sports & Entertainment, Fashion, Restaurant and Food, Advertising, and Automotive Marketing and work in a project based atmosphere. Students will receive a combination of classroom instruction and application experiences.

237	Marketing Retail Applications – Sem 1	11-12	Elective, Sr Math	.5
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Prerequisite: 204, 234. (combination of 2 semesters of business courses) **Students will interview for positions and be admitted with a teacher signature only.** This course is designed to give the student practical experience in the daily operation of the retail store. The students will learn various selling skills, cashiering techniques, and managerial decision-making skills. Students will be scheduled and responsible for store operations during lunch periods (other times may be included).

238	Marketing Retail Applications – Sem 2	11-12	Elective, Sr Math	.5
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Prerequisite: 204, 234. (combination of 2 semesters of business courses) **Students will interview for positions and be admitted with a teacher signature only.** This course is designed to give the student practical experience in the daily operation of the retail store. The students will learn various selling skills, cashiering techniques, and managerial decision-making skills. Students will be scheduled and responsible for store operations during lunch periods (other times may be included).

WORLD LANGUAGES

(Language Acquisition)

<u>#</u>	<u>Course</u>	<u>Grades</u>	<u>Credits</u>
302	French I	9-12	1.0 Credit
304	Spanish I	9-12	1.0 Credit
308	Latin I	9-12	1.0 Credit
310	French II	9-12	1.0 Credit
312	Spanish II	9-12	1.0 Credit
316	Latin II	10-12	1.0 Credit
320	French III	10-12	1.0 Credit
322	Spanish III	9-12	1.0 Credit
326	Latin III	11-12	1.0 Credit
328	French IV	11-12	1.0 Credit
330	Spanish IV	10-12	1.0 Credit
334	Latin IV	12	1.0 Credit
336	AP French Language and Culture	12	1.0 Credit
338	AP Spanish Language and Culture	11-12	1.0 Credit

The basic philosophy of the World Languages Department is that a well-educated person should be conversant in more than one language. A comprehensive program enriches the student's intellectual development by adding another dimension to personal achievements. Basically, both modern and classical languages seek to instill in the student an understanding and appreciation of the culture and way of life of the people of the target language. The study of a world language helps the student of today adapt to our world in transition. Our society has entered a stage of accelerated change. Now more than ever, for the graduates of today, it is important to realize that there is a community beyond our township, a country beyond our state, and a world beyond our country. A four or five-year world language program is a good preparation for the following fields: business, economics, law, travel, foreign relations, foreign service, government, medical fields, engineering, etc. **Four years of the same high school world language study could waive a portion of the college foreign language requirement. Students can also pursue credit(s) through Alternative Equivalency by providing a foreign transcript.**

<u>World Languages Course Options</u>			
<u>9th Grade</u>	<u>10th Grade</u>	<u>11th Grade</u>	<u>12th Grade</u>
French I	French I	French I	French I
Spanish I	Spanish I	Spanish I	Spanish I
Latin I	Latin I	Latin I	Latin I
French II	French II	French II	French II
Spanish II	Spanish II	Spanish II	Spanish II
	Latin II	Latin II	Latin II
	French III	French III	French III
	Spanish III	Spanish III	Spanish III
		Latin III	Latin III
		French IV	French IV
		Spanish IV	Spanish IV
			Latin IV
			AP French Lang & Cult
			AP Spanish Lang & Cult

<u>#</u>	<u>Course</u>	<u>Grades</u>	<u>Meets</u>	<u>Credits</u>
302	French I	9-12	World Languages	1.0

Prerequisite: None. This class offers an introduction to the basic elements of the French language. Skills covered will be: listening, speaking, reading, writing, and the basic elements of grammar. Cultural experiences including French foods, videos, and songs, will be included to broaden the student's awareness of French life throughout the French-speaking world.

304	Spanish I	9-12	World Languages	1.0
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Prerequisite: None. In Spanish I the students will attain a beginning level proficiency for the language through the meaning, usage, and pronunciation of vocabulary and grammar. To attain this proficiency, students will participate in various listening, speaking, reading, and writing activities. The language will be presented within the context of contemporary Spanish language and culture.

308	Latin I	9-12	World Languages	1.0
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Prerequisite: None. Latin I is distinctly different from modern languages because it presents the student with the opportunity to learn and to study a language which once became as universal in scope as English has become today. Emphasis is placed on discerning English vocabulary from the Latin origin since 90% of English words which are 3 or more syllables are derived from Latin. The course is presented in such a way that students can get involved with the culture (daily customs, architecture, art, history) and language of the Romans. The study of the language involves the development of basic grammatical vocabulary, reading, and writing skills. Latin-based medical and legal terms are studied. It is recommended for the college-bound student.

310	French II	9-12	World Languages	1.0
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Prerequisite: 302. This course is a continuation of French I. However, more emphasis is placed on speaking, reading, and writing. By the end of this course, the student will be able to initiate and direct a conversation on familiar topics and will have increased his/her knowledge of the cultural aspects of the various French-speaking countries. Cultural experiences include French foods, videos and songs.

312	Spanish II	9-12	World Languages	1.0
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Prerequisite: 304. This course is a continuation of Spanish I. However, more emphasis is placed on speaking, reading, and writing. By the end of this course, the student will be able to initiate and direct a conversation on familiar topics and will have increased his/her knowledge of the cultural aspects of the various Spanish-speaking countries.

316	Latin II	10-12	World Languages	1.0
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Prerequisite: 308. The basic principles of Latin grammar are reviewed from Latin I. The student then is introduced to higher level grammatical structures in order to translate more complex sentences. Incorporated in the course are studies of Roman history, government, law, and architecture and culture. Students continue to study medical and legal terminology derived from Latin.

320	French III	10-12	VPAA	1.0
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Prerequisite: 310. The purpose of this course is to bring students from the novice level of oral and written proficiency to the intermediate level where they can create with language, participate in progressively more challenging conversations, and communicate successfully in basic survival situations. The cultural focus includes food, music and poetry, and the history and civilization of France.

322	Spanish III	9-12	VPAA	1.0
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Prerequisite: 312. The purpose of this course is to bring students from the novice level of oral and written proficiency to the intermediate level where they can create with language, participate in progressively more challenging conversations, and communicate successfully in basic survival situations. Students will familiarize themselves with the target culture's civilizations and literature. Students are required to give presentations in Spanish. Spanish foods and songs also enhance our study.

326	Latin III	11-12	VPAA	1.0
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Prerequisite: 316. Students are introduced to Latin literature on a larger scale with some readings from classical authors. Cultural, literature, and historical studies include philosophy, oration and drama. Grammar is reviewed and studied in the context of the Latin readings. Word derivation is emphasized to help students prepare for college boards and other required testing. Students continue study of medical and legal terminology from Latin.

328	French IV	11-12	VPAA	1.0
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Prerequisite: 320. Students will fine-tune their knowledge of grammar and will continue to progress in conversational French. Emphasis will be placed on speaking and composition. The cultural focus will be current events and some literature from a variety of French-speaking countries. Students will read articles and discuss their opinions on a variety of themes including social relationships, global challenges, science and technology, and daily life. Enjoyment of French food, art, and music also continues in this course.

330	Spanish IV	10-12	VPAA	1.0
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Prerequisite: 322. In this advanced course, students are expected to speak Spanish as much as their ability allows during the class period. The class will be conducted as much as possible in Spanish. Grammar is reviewed. Also, students are required to give presentations in Spanish, write compositions on current topics, and study the literature and culture of the Hispanic world.

334	Latin IV	12	VPAA	1.0
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Prerequisite: 326. Students are introduced to Latin literature on a larger scale with readings from Virgil's Aeneid and other classical authors. Cultural, literature, and historical studies include the epic, figures of speech, metrical schemes, the period of the Roman Empire, as well as the Golden Age of Roman literature. Grammar is studied in the context of the Latin readings. Medical and legal terminology derived from Latin is studied.

336	AP French Language and Culture	12	VPAA	1.0
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Prerequisite: 328. AP French Language and Culture is for students who have demonstrated a high level of competence in French for a period of at least four years. This course emphasizes all aspects of language: listening (films, videos, audio recordings), speaking (both in small groups and whole-class discussions), reading (current news events and French literature), writing (a variety of short texts such as email responses and opinion pieces), and culture (food, art, music, and unique points-of-view from French-speaking countries). This course is designed to prepare students for the AP examination as well as develop real-world communication skills for travel, leisure, and career! *Note: Students enrolled in any AP course must pass 1st semester in order to be allowed to remain in the class for 2nd semester. In the event your student has already registered and paid for any AP exam, they will be responsible for any exam cancellation fees.*

338	AP Spanish Language and Culture	11-12	VPAA	1.0
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Prerequisite: 330. AP Spanish Language and Culture is for students who have demonstrated a high level of competence in Spanish for a period of at least four years. Interactive communication prepares students to use Spanish skillfully in a variety of contexts. Literary capabilities are enhanced through print media and Spanish literature, with particular emphasis placed on appreciation of culture, style, and content. Electronic media and oral presentations improve students' listening comprehension and interpretive skills. Written texts allow students to express their own or others' ideas, while emphasizing grammar, tone and register. This course is designed to prepare students for the AP examination as well as develop real-world communication skills for travel, leisure, and career! *Note: Students enrolled in any AP course must pass 1st semester in order to be allowed to remain in the class for 2nd semester. In the event your student has registered and paid for any AP exam, they will be responsible for any exam cancellation fees.*

FAMILY AND CONSUMER SCIENCES

<u>#</u>	<u>Course</u>	<u>Grades</u>	<u>Credits</u>
408	Parenting & Child Development	9-12	.5 Credit
414	Independent Living	11-12	.5 Credit
416	Interior Design	10-12	.5 Credit

The Family and Consumer Science Department offers classes that provide students with tasks identified as important to them so that they can learn how to manage their lives now and in the future. Courses in Family and Consumer Sciences may count toward the VPAA graduation requirement.

Family and Consumer Sciences Course Options

<u>9th Grade</u>	<u>10th Grade</u>	<u>11th Grade</u>	<u>12th Grade</u>
Parenting & Child Dev	Parenting & Child Dev Interior Design	Parenting & Child Dev Interior Design Independent Living	Parenting & Child Dev Interior Design Independent Living

<u>#</u>	<u>Course</u>	<u>Grade</u>	<u>Meets</u>	<u>Credits</u>
408	Parenting & Child Development	9-12	VPAA	.5

Prerequisite: None. Nine out of ten adults become a parent at some time in their lives, so it is essential that parental responsibilities as well as rewards be explored. This course teaches parenting skills. Included topics are: readiness for parenthood, child development, and the social, emotional, physical and intellectual development of children. Current issues related to parenting and childcare are also included. This is an excellent course for those who one day plan to have children and those going into child care, education, medicine, psychology or sociology. Computerized dolls are utilized in Parenting & Child Development class, for one weekend a semester, to teach real baby care.

414	Independent Living	11-12	VPAA	.5
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Prerequisite: None. This course prepares students for college and career readiness. The responsibilities for being independent are strongly emphasized. Students will learn employability skills, decision making, how to find and apply for a job, dressing for an interview, interviewing skills, resume, cover letter, and thank you letter correspondence. Continuing on with how to find and purchase an apartment or home, how to find and purchase a vehicle, and types of insurance. The course will explore banking, budgets, paying taxes, savings, and investments such as: stocks, bonds, mutual funds, 401K's, are covered. Also included is a look at identity theft and internet use and the importance and dangers of credit is addressed. Meal planning, travel planning is covered, including information about nexus, TSA-Precheck and passports.

416	Interior Design	10-12	VPAA	.5
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Prerequisite: None. This course covers the elements and principles of design as well as color schemes, furniture, and housing styles and floor plans. Many hands-on projects are included that use fabric, magazines and colored pencils.

INDUSTRIAL TECHNOLOGY

#	Course	Grades	Credits
451	Metals Technology I	9-12	.5 Credit
452	Wood Technology I	9-12	.5 Credit
457	Wood Technology II	10-12	1.0 Credit
458	Metals Technology II	9-12	.5 Credit
459	Construction Technology	11-12	1.0 Credit
470	Engineering CAD/CAM	10-12	1.0 Credit

**Supplies for students to be successful in class will be provided.
Any items above and beyond course requirements may require a fee.**

Our Industrial Technology Curriculum is designed to provide students with training in the skills necessary to enter the job force in today's ever-changing society and marketplace. It is also designed to enable our students to compete educationally with a global society and prepares them to attend a facility of higher learning.

#	Course	Grades	Meets	Credits
451	Metals Technology I	9-12	VPAA, Sr Math	.5
Prerequisite: None, \$. This course will teach students welding and metal fabricating. Students will be introduced to the tools, equipment, and procedures to participate in technology related activities that are pertinent to society. Students will learn weld print reading, metallurgy, metal prep and welding. Students will weld MIG (GMAW), TIG (GTAW), and stick (SMAW) welding in various positions and will be introduced to oxy/fuel processes. They will also learn to weld various thickness of metals and welding positions.				
452	Wood Technology I	9-12	VPAA, Sr Math	.5
Prerequisite: None, \$. This course concentrates on the principles and processes used in woodworking technology. Students will design products, which provide solutions to problems in a "hands-on" environment. They will learn the proper identification and usage of hand and power tools, how to measure and plan for project designs, and the types of wood and characteristics.				
457	Wood Technology II	10-12	VPAA, Sr. Math	1.0
Prerequisite: 452, \$. This course is designed to give students a full year to work on projects for state and regional competitions in engineering, wood, and metals. Students will be honing experiences on machines, planning and processes used in constructing projects for competitions held during the school year.				
458	Metals Technology II	9-12	VPAA, Sr. Math	.5
Prerequisite: 451, \$. Metal Technology II will have additional requirements in arc welding (vertical and overhead) TIG and MIG proficiency. It will also require additional lathe and milling operations beyond Metals Technology I requirements. Class will be process and project oriented. It will also provide an introduction to AutoCAD.				
459	Construction Technology	11-12	VPAA, Sr. Math	1.0
Prerequisite: 452. This course is designed to introduce students to the construction trades industry through practical experiences using new processes, problem-solving techniques, and hands-on activities.				
470	Engineering CAD/CAM	10-12	VPAA	1.0
Prerequisite: None. This course is designed for students that have the interest in engineering as a career. Topics of instruction will include: mechanical drawing, blue print reading, computer aided design, computer aided manufacturing, 2D drawing, 3D drawing, materials, design process, G and M code, and manufacturing.				
\$ - fee required				

ENGLISH LANGUAGE ARTS

#	Course	Grades	Credits
502	English 9	9	1.0 Credit
508	Honors English 9	9	1.0 Credit
510	English 10	10	1.0 Credit
516	Honors English 10	10	1.0 Credit
517	English 11	11	1.0 Credit
518	English 12	12	1.0 Credit
529	AP English Language and Composition	11-12	1.0 Credit
530	AP English Literature and Composition	11-12	1.0 Credit

ENGLISH ELECTIVES ONLY (Does not count for Senior English)

534	Interpersonal and Public Communications	9-12	.5 Credit
535	Mythology	9-12	.5 Credit
539	Literature for Teens	9-12	.5 Credit
545	Creative Writing: Poetry and Prose	9-12	.5 Credit

English Language Arts Course Recommended Sequence By Grade

<u>9th Grade</u>	<u>10th Grade</u>	<u>11th Grade</u>	<u>12th Grade</u>
English 9	English 10	English 11 AP Eng Lang & Comp AP Eng Lit & Comp	English 12 AP Eng Lang & Comp AP Eng Lit & Comp

Students that seek advance level English course work need to meet with their counselor or AP Coordinator. Advance level course work allows students to take more AP courses. The course recommendation above addresses standard level English students.

#	Course	Grades	Meets	Credits
502	English 9	9	ELA 9	1.0

Prerequisite: None. This yearlong course provides students with the opportunity to examine thought-provoking texts, building a foundation of active learning that equips students with the reading, writing, speaking, and listening skills required for success in tomorrow's world. The course serves to kindle student connections with reading, develop their speaking and writing voices, and strengthen their communication with the world.

508	Honors English 9	9	ELA 9	1.0
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Prerequisite: None. It is recommended that students choosing to take this course passed their 8th grade Language Arts with a grade of "B" or higher. This yearlong course challenges accelerated students to examine thought-provoking texts, building a foundation of active learning that equips students with the reading, writing, speaking, and listening skills required for success in tomorrow's world. The course serves to empower students to love reading, hone their unique speaking and writing voices, and strengthen their communication with the world. Indicators of successful placement: 8th grade Spring NWEA score of 225 in Reading Skills. *Note: Students enrolled in any honors course must pass 1st semester in order to be allowed to remain in the class for 2nd semester.*

510	English 10	10	ELA 10	1.0
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Prerequisite: 502 or 508. This yearlong course builds off of the foundation from English 9 or Honors English 9, continuing to give students the opportunity to examine thought-provoking texts, building a foundation of active learning that equips students with the reading, writing, speaking, and listening skills required for success in tomorrow's world. The course serves to further kindle student connection with reading, develop their speaking and writing voices, and strengthen their communication with the world.

516	Honors English 10	10	ELA 10	1.0
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Prerequisite: 502 or 508. It is recommended that students choosing to take this course passed English 9 or Honors English 9 with a grade of "B" or higher. This yearlong course further challenges accelerated students to examine thought-provoking texts, building a foundation of active learning that equips students with the reading, writing, speaking, and listening skills required for success in tomorrow's world. The course serves to empower students to love reading, hone their unique speaking and writing voices, and strengthen their communication with the world. Indicators of successful placements: 9th grade Spring NWEA score of 225+ in Language Skills and 228+ in Reading Skills. *Note: Students enrolled in any honors course must pass 1st semester in order to be allowed to remain in the class for 2nd semester.*

517 English 11	11	ELA 11	1.0
Prerequisite: 510 or 516. This yearlong course examines American Literature, building a foundation of active learning that equips students with the reading, writing, speaking, and listening skills required for success in college and beyond. The course serves to further empower student connection with reading, develop their speaking and writing voices, and strengthen their communication with the world.			
518 English 12	12	ELA 12	1.0
Prerequisite: 517, 529, or 530. This yearlong course explores mostly British Literature, serving as the culminating component in building a life-long, active learner. Students' reading, writing, speaking, and listening skills will be developed by examining challenging texts from the canon and beyond. The course serves to diversify student connection with reading, hone their speaking and writing voices, and strengthen their communication with the world.			
529 AP English: Language and Composition	11-12	ELA 11/12	1.0
Prerequisite: 510 or 516. This rigorous course is designed to help students prepare for the AP English Language and Composition Examination. It engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. Interactions among a writer's purpose, audience expectations, and subjects, as well as the way conventions and the resources of language contribute to effectiveness in writing will be considered. Writing assignments focus on stylistic essays, argumentative essays, and literary analysis essays. It is recommended by the English Department that if a student is going to take both AP classes, he/she should take AP Language junior year and AP Literature senior year. Indicators of successful placement: 10 th grade Spring NWEA score of 226+ in Language Skills and 229+ in Reading Skills; also a B- or higher average in previous Language and Literature classes. <i>Note: Students enrolled in any AP course must pass 1st semester in order to be allowed to remain in the class for 2nd semester. In the event your student has already registered and paid for any AP exam, they will be responsible for any exam cancellation fees.</i>			
530 AP English Literature and Composition	11-12	ELA 11/12	1.0
Prerequisite: 510 or 516. This rigorous course is designed to help students prepare for the AP English Literature and Composition Examination. It engages students in the careful, active reading and critical analysis of literature from various genres and periods. Structure, style, and themes, as well as such smaller scale elements such as the use of figurative language, imagery, symbolism, and tone will be considered. Writing assignments focus on the critical analysis of literature and include expository, analytical, and argumentative essays. It is recommended by the English Department that if a student is going to take both AP classes, he/she should take AP Language junior year and AP Literature senior year. Indicators of successful placement: 10 th grade Spring NWEA score of 226+ in Language Skills and 229+ in Reading Skills; also a B- or higher average in previous Language and Literature classes. <i>Note: Students enrolled in any AP course must pass 1st semester in order to be allowed to remain in the class for 2nd semester. In the event your student has already registered and paid for any AP exam, they will be responsible for any exam cancellation fees.</i>			
534 Interpersonal and Public Communications	9-12	Elective	.5
Prerequisite; None. This course will explore various forms of oral communication. Students will become knowledgeable in the elements of audience, interpersonal and large group communications, speaking to persuade verses speaking to inform, using multimedia in communication, and non-verbal communication. Students may also explore ways to communicate creatively, communicating during a conflict, and communicating in impromptu situations. This course does not meet NCAA requirement.			
535 Mythology	9-12	Elective	.5
Prerequisite: None. This one semester course provides students with basic knowledge of classical and modern mythology often referenced in advanced literature courses, including Greek and Roman. It also introduces students to the relationship between a culture's values and myths.			
539 Literature for Teens	9-12	Elective	.5
Prerequisite: None. This one-semester course explores topics prevalent in the teenage world through the use of literature written for teens. Students will recognize these themes and issues in the works they read and in turn apply the lessons learned to their own lives. Through class discussions and written responses students will demonstrate their understanding of teenage issues and their place in literature.			
545 Creative Writing: Poetry and Prose	9-12	Elective	.5
Prerequisite: None. This one semester elective course is for students who enjoy reading and writing prose, poetry, drama, and other creative pieces. This class will examine a variety of poetry styles and prose. Special emphasis will be placed on the use of quality of language in the works being studied as well as the students' writings. Participants will work on metaphorical language skills, as well as develop skills in the writing of imagery. Through the writing of prose and drama students will also develop skills with addressing different audiences. Students will work in a workshop environment, increasing their skills in the areas of self-editing and editing others.			

THEATER

<u>#</u>	<u>Course</u>	<u>Grades</u>	<u>Credits</u>
574	Forensics	9-12	.5 Credit
575	Drama I	9-12	.5 Credit
578	Play Productions (Non-Performance)	9-12	.5 Credit

<u>#</u>	<u>Course</u>	<u>Grades</u>	<u>Meets</u>	<u>Credits</u>
574	Forensics	9-12	VPAA	.5
<p>Prerequisite: None. This course introduces 12 individual speech events for high school competition. The events include public speaking events such as radio news broadcasting, informative oratory, sales, extemporaneous and impromptu speaking; and interpretation events such as storytelling, dramatic duo, multiple interpretation, poetry, prose and dramatic interpretation. Students work actively and independently to create pieces that could be used to compete in Saturday tournaments with students from other high schools. Competition in tournaments is not a requirement of the course.</p>				
575	Drama I	9-12	VPAA	.5
<p>Prerequisite: None. This course will cover a variety of aspects of theater, which may include makeup, acting, costuming, staging, set construction, lighting, props, and early theater history. Several plays will be read, many of which represent different historical periods of theater development.</p>				
578	Play Production (Non-Performance)	9-12	VPAA	.5
<p>Prerequisite: None. (Repeatable with instructor permission). Students will go through actual steps necessary to produce and direct a play, such as conducting auditions, creating a rehearsal schedule, analyzing characters, and designing sets.</p>				

INFORMATION TECHNOLOGY

<u>#</u>	<u>Course</u>	<u>Grades</u>	<u>Credits</u>
561	Writing for Publication: Photojournalism	9-12	.5 Credit
564	Advanced Writing for Publication: Yearbook	10-12	1.0 Credit
566	Film I and TV Production I	10-12	1.0 Credit
567	TV Production II	11-12	1.0 Credit
568	Film II	11-12	1.0 Credit
651	Computer Science Discoveries	9-12	.5 Credit
652	Computer Applications	9-12	.5 Credit
655	AP Computer Science Principles	10-12	1.0 Credit
656	Programming I	10-12	.5 Credit
658	Desktop Publishing	9-12	.5 Credit
660	Multimedia	9-12	.5 Credit
662	Programming II	10-12	.5 Credit
663	AP Computer Science A	11-12	1.0 Credit

**Supplies for students to be successful in class will be provided.
Any items above and beyond course requirements may require a fee.**

Information Technology Course Options

<u>9th Grade</u>	<u>10th Grade</u>	<u>11th Grade</u>	<u>12th Grade</u>
Computer Science Disc.	Computer Science Discoveries	Computer Science Discoveries	Computer Science Discoveries
Computer Applications	Computer Applications	Computer Applications	Computer Applications
Desktop Publishing	AP Computer Science Principles	AP Computer Science Principles	AP Computer Science Principles
Multimedia	Desktop Publishing	Desktop Publishing	Desktop Publishing
Writing for Pub: Photojournalism	Writing for Pub: Photojournalism	Writing for Pub: Photojournalism	Writing for Pub: Photojournalism
	Multimedia	Multimedia	Multimedia
	Programming I	Programming I	Programming I
	Programming II	Programming II	Programming II
	Advanced Writing Pub: Yearbook	Advanced Writing Pub: Yearbook	Advanced Writing Pub: Yearbook
	Film I and TV Production I	Film I and TV Production I	Film I and TV Production I
		TV Production II	TV Production II
		Film II	Film II
		AP Computer Science A	AP Computer Science A

<u>#</u>	<u>Course</u>	<u>Grades</u>	<u>Meets</u>	<u>Credits</u>
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561	Writing for Publication: Photojournalism	9-12	VPAA	.5
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Prerequisite: None. The intent of this one semester course is to give students the opportunity to explore the area of multimedia and its history, prepare for positions on school publications (yearbook, broadcast, and online publication), and to survey possible career options. Students will be taught basic photography and camera usage, news writing, and desktop publishing. This may include computer editing, animation, and layout design.

564	Advanced Writing for Publication: Yearbook	10-12	VPAA	1.0
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Prerequisite: 561, Teacher Signature. In this year long course students will be involved in all aspects of producing a concise, historical document for publication, the Heritage High School Yearbook. Students are responsible for reporting, writing, designing, and using online publications. In addition, students will learn many marketable communications skills in such fields as journalism, photography, graphic arts, advertising and desktop publishing. This is a rigorous course which requires excellent organizational and time management skills.

566	Film I and TV Production I	10-12	VPAA	1.0
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Prerequisite: None This course will introduce students to the technical side of TV and film production. Emphasis will be textbook oriented with limited time in the studio. Learning about producing films, TV shows and video editing will be the primary focus with some hands on activities. This course requires several group assignments to be completed by students outside of school hours.

567	TV Production II	11-12	VPAA	1.0
Prerequisite: 566 and Teacher Signature. This course is on applied TV programming. Students will spend a great deal of time in the studio working with equipment, conceiving, scripting, producing, and editing various types of videos. Students will be expected to do live and summary coverage of district activities and programs. Peer workshops will be utilized as one possible means of instruction. This course requires several group assignments to be completed by students outside of school hours.				
568	Film II	11-12	VPAA	1.0
Prerequisite: 566. This course aims to help students continue developing their skills in interpreting and making film texts. Through studying and analyzing various films as well as personal exercises in film making, students will learn about film history, theory, and socio-economic backgrounds. International and intercultural film study will help students develop knowledge of filmmaking traditions from more than one culture. Students will be expected to demonstrate both theoretical and practical aspects of film analysis and production.				
651	Computer Science Discoveries	9-12	VPAA	.5
Prerequisite: None. This course is an introduction to Computer Science, taking a wide lens on computer science. Computer Science Discoveries uses the code.org curriculum covering topics such as programming, physical computing, HTML/CSS, and data. The course inspires students as they build their own websites, apps, games, and physical computing devices. Watch video: https://watch.screencastify.com/v/BOjllwrKUFX6TU2qyOlc				
652	Computer Applications	9-12	VPAA	.5
Prerequisite: None. This course will develop skills in Microsoft Word, Excel and PowerPoint. Perfect for beginners or novice users. Students will eventually graduate to more advanced features of the Word Processing, Spread Sheet and Presentation software. Course topics also include file management using Windows Explorer to create, name and organize files and folders. Students will receive instruction in ethical and responsible use of computers. Watch video: https://watch.screencastify.com/v/eW3mNuBKDi1hinTJoIwp				
655	AP Computer Science Principles	10-12	VPAA	1.0
Prerequisite: 608. This course introduces students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity, and how computing impacts our world. Students will develop the computational thinking skills needed to fully exploit the power of digital technology and help build a strong foundation in core programming and problem-solving. <i>Note: Students enrolled in any AP course must pass 1st semester in order to be allowed to remain in the class for 2nd semester. In the event your student has already registered and paid for any AP exam, they will be responsible for any exam cancellation fees.</i> Watch video: https://watch.screencastify.com/v/UFkYVVIg98eQKHplli				
656	Programming I	10-12	VPAA	.5
Prerequisite: None. This course introduces students to the concepts and skills necessary to develop computer software. These skills include sequential planning, flowcharts, problem solving, and critical thinking. The course uses the Basic programming language. Students will receive instruction in ethical, responsible use of computers. <i>Note: It is highly recommended that students successfully complete Algebra before enrolling in this course.</i> Watch video: https://watch.screencastify.com/v/8p73DEduXSxRcmIz8bT7				
658	Desktop Publishing	9-12	VPAA	.5
Prerequisite: None. This course will merge the skills of writing with photo editing software and computer application software to create visually appealing and effective publications. Examples of various topics include: Concept promotion posters, digital advertisements, business needs, and much more. Students will learn the uses of a desktop publishing program and Photoshop software for both personal and professional needs. Students will receive instruction in ethical, responsible use of computers. Watch video: https://watch.screencastify.com/v/kHEzIDXhnT3BrWkJ6Oep				
660	Multimedia	9-12	VPAA	.5
Prerequisite: None. This course will develop skills related to multimedia use for both personal and professional needs. Students will integrate text, audio, video, graphics, and animations into multimedia presentations. These digital presentations include TV/Radio commercials, business presentations, online advertisements, and many audio/visual digital presentations. Students will receive instruction in ethical, responsible use of computers. Watch video: https://watch.screencastify.com/v/I7EazbtvvPyDlzBMbt83				
662	Programming II	10-12	VPAA	.5
Prerequisite: 656. This course continues the study of concepts and skills introduced in Programming I. Students will study the principles of object-oriented programming and design to create customized computer programs using Microsoft's Visual Basic programming language. Students will receive instruction in ethical, responsible use of computers. Watch video: https://watch.screencastify.com/v/jLNXMKPOi9MbaAo0JPWt				
663	AP Computer Science A	11-12	VPAA	1.0
Prerequisite: Algebra and one of the following - AP Computer Science Principles, Programming I, or Programming II. AP Computer Science A is a college-level computer science course. Students cultivate their understanding of coding (Java) through analyzing, writing, and testing code as they explore concepts like modularity, variable, and control structures. <i>Note: Students enrolled in any AP course must pass 1st semester in order to be allowed to remain in the class for 2nd semester. In the event your student has already registered and paid for any AP exam, they will be responsible for any exam cancellation fees.</i> Watch video: https://watch.screencastify.com/v/oFTXAh420GnknEhhQJ1e				

MATHEMATICS

#	Course	Grade	Credits
608	Algebra	9-10	1.0 Credit
612	Geometry	9-10	1.0 Credit
613	Algebra II	9-12	1.0 Credit
614	Algebra II Essentials	10-12	1.0 Credit
615	Algebra II Essentials Year 1	11-12	1.0 Credit
616	Algebra II Essentials Year 2	12	1.0 Credit
619	Honors Algebra II	9-11	1.0 Credit
620	Finite Mathematics	10-12	1.0 Credit
623	Precalculus	10-12	1.0 Credit
631	AP Precalculus	10-12	1.0 Credit
625	AP Calculus AB	11-12	1.0 Credit
626	AP Calculus BC	12	1.0 Credit
636	Problem Solving in Mathematics	11-12	1.0 Credit
641	AP Statistics	10-12	1.0 Credit

Mathematics Course Recommendation by Grade

<u>9th Grade</u>	<u>10th Grade</u>	<u>11th Grade</u>	<u>12th Grade</u>
Geometry	Algebra	Algebra II	Problem Solving in Mathematics
Algebra	Algebra II	Algebra II Essentials	AP Precalculus
Honors Algebra II	Honors Algebra II	Honors Algebra II	Finite Mathematics
	Finite Mathematics	Finite Mathematics	AP Calculus AB
	AP Precalculus	AP Precalculus	AP Calculus BC
	Precalculus	Precalculus	AP Statistics
	AP Statistics	AP Calculus AB	
		AP Statistics	

It is important that students meet with their counselor to discuss their Math elective options.

#	Course	Grades	Meets	Credits
608	Algebra	9-10	Math	1.0
Prerequisite: 612. Topics in this course include those mandated by the Michigan Department of Education. Must pass Geometry.				
612	Geometry	9-10	Math	1.0
Prerequisite: None. Topics in this course include those mandated by the Michigan Department of Education.				
613	Algebra II	9-12	Math	1.0
Prerequisite: 608. Topics in this course include those mandated by the Michigan Department of Education.				
614	Algebra II Essentials	10-12	Math	1.0
Prerequisite: 608. Topics in this course include those mandated by the Michigan Department of Education. Class is intended for students that plan to enter the workforce immediately after high school. This course does not meet NCAA requirements.				
615	Algebra II Essentials – Year 1	11-11	Math	1.0
Prerequisite: 608, Teacher Signature. Topics in this course include those mandated by the Michigan Department of Education. <i>Algebra II credit is not earned until student has successfully completed 2nd semester of Year 2 of this sequence.</i>				
616	Algebra II Essentials – Year 2	12	Math	1.0
Prerequisite: 615, Teacher Signature. Topics in this course include those mandated by the Michigan Department of Education. <i>A full credit of Algebra II is not earned until student has successfully completed 2nd semester of this sequence.</i>				

619	Honors Algebra II	9-12	Math	1.0
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Prerequisite: 608. It is recommended that students pass 608 with a “B-“or better. Topics in this course include those mandated by the Michigan Department of Education plus additional enrichment materials. A graphical display calculator is highly recommended for this course. This course is strongly recommended for those planning on taking AP Calculus before graduating from Heritage.
Note: Students enrolled in any honors course must pass 1st semester in order to be allowed to remain in the class for 2nd semester.

620	Finite Mathematics	11-12	Sr Math	1.0
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Prerequisite: 613 or 619. Finite Mathematics is a culmination of mathematical applications. This course is designed for students that may want to further their mathematics, but are not focused on a math related career. The course concentrates on mathematics which can be applied to contexts in other curriculum subjects and real applications. A graphical display calculator is highly recommended for this course. Topics include: Set Theory, Probability, Logic, Linear Algebra, Matrices, Optimization, and statistics. Further topics may be included as time permits.

623	Precalculus	10-12	Sr Math	1.0
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Prerequisite: 613 or 619. It is recommended that students pass 613 with a “B-“or better. This course is designed for students that possess basic mathematical concepts and have the skills to apply simple mathematical techniques correctly. The topics in this course include: a review of functions and equations, Geometry, Trigonometry, vectors and general problem solving procedures. A graphical display calculator is highly recommended for this course. This course fulfills the senior year math requirement for graduation. This course includes all topics covered in a traditional Precalculus class.

625	AP Calculus AB	11-12	Sr Math	1.0
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Prerequisite: 622 or 623. It is recommended that students pass with a “B-“or better. This course is designed to prepare students for the AP Calculus AB Exam as well as give them the experience of a college level course. This course covers all the topics that a first semester Calculus course would cover at a college or university. The topics in this course include: limits, derivatives, and integrals. The course will develop the students’ understanding of the concepts, and provide methods and applications of calculus. The course will emphasize presentation of problems in geometrical, numerical, analytical, and verbal forms. A graphical display calculator is highly recommended for this course. This course will prepare students for AP Calculus BC, and other college level math courses.
Note: Students enrolled in any AP course must pass 1st semester in order to be allowed to remain in the class for 2nd semester. In the event your student has already registered and paid for any AP exam, they will be responsible for any exam cancellation fees.

626	AP Calculus BC	12	Sr Math	1.0
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Prerequisite: 625. This course is designed to prepare students for the AP Calculus BC Exam as well as give them the experience of a college level course. This course covers all the topics that a second semester Calculus course would cover at a college or university. The topics in this course will include: review all topics covered in Calculus AB, parametric, polar, and vector functions and their derivatives, slope fields, Euler’s method, L’Hopital’s rule, partial fractions, improper integrals, concepts of series, convergence and divergence, and Taylor series. A graphical display calculator is highly recommended for this course. *Note: Students enrolled in any AP course must pass 1st semester in order to be allowed to remain in the class for 2nd semester. In the event your student has already registered and paid for any AP exam, they will be responsible for any exam cancellation fees.*

631	AP Precalculus	10-12	Sr Math	1.0
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Prerequisite: 613 or 619 with the Teacher Signature. It is recommended that students pass 619 with a “B“or better. This course is designed to prepare students for the AP Precalculus Exam as well as give them the experience of a college level course. The topics in this course are set by College Board and include: polynomial and rational functions, exponential and logarithmic functions, along with Trigonometric and polar functions. The course will emphasize presentation of problems in geometrical, numerical, analytical, and verbal forms. A graphical display calculator is highly recommended for this course. This course will prepare students for AP Calculus AB, and other college level math courses. *Note: Students enrolled in any AP course must pass 1st semester in order to be allowed to remain in the class for 2nd semester. In the event your student has already registered and paid for any AP exam, they will be responsible for any exam cancellation fees.* Also, students may not take this course if they have already passed a prior Precalculus class (622 or 623).

636	Problem Solving in Mathematics	11-12	Sr Math	1.0
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Prerequisite: 613 or 614. This course uses a set of application based modules designed to build upon skills a student would have developed in previous math courses. This is a non-sequential mathematics course designed to assist students in acquiring the skills to meet the state standards. This course does not meet NCAA requirement.

641	AP Statistics	10-12	Sr Math	1.0
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Prerequisite: Pass 613 or 619 with a C or higher. AP Statistics is an introductory college-level statistics course that introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes evident in the course: exploring data, sampling and experimentation, probability and simulation, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding. The AP Statistics course is equivalent to an introductory, non-calculus-based college course in statistics. *Note: Students enrolled in any AP course must pass 1st semester in order to be allowed to remain in the class for 2nd semester. In the event your student has already registered and paid for any AP exam, they will be responsible for any exam cancellation fees.*

PHYSICAL EDUCATION

#	Course	Grades	Credits
702	General Physical Education	9-12	.5 Credit
703	Aquatics	9-12	.5 Credit
718	Strength Training and Conditioning	9-12	.5 Credit
724	Team Sports	9-12	.5 Credit
725	Outdoor Pursuits	9-12	.5 Credit
727	Leadership in Sports and Physical Education	10-12	.5 Credit

Physical Education Course Options

<u>9th Grade</u>	<u>10th Grade</u>	<u>11th Grade</u>	<u>12th Grade</u>
General Physical Education	General Physical Education	General Physical Education	General Physical Education
<u>Electives</u>	<u>Electives</u>	<u>Electives</u>	<u>Electives</u>
Strength	Strength	Strength	Strength
Training/Conditioning	Training/Conditioning	Training/Conditioning	Training/Conditioning
Aquatics	Aquatics	Aquatics	Aquatics
Team Sports	Team Sports	Team Sports	Team Sports
Outdoor Pursuits	Leadership in Sports & PE	Leadership in Sports & PE	Leadership in Sports & PE
	Outdoor Pursuits	Outdoor Pursuits	Outdoor Pursuits

#	Course	Grades	Meets	Credits
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702	General Physical Education	9-12	PE	.5
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Prerequisite: None. This course fulfills the graduation requirement for physical education. It has an emphasis on the development of lifelong fitness skills, sportsmanship, and cooperative learning through participation in individual, dual and team sports, and games.

703	Aquatics	9-12	Elective	.5
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Prerequisite: Must be 15 years of age by the end of the semester. This course will focus on improving swimming skills, overall physical fitness, and safe practice for all water activities – swimming, boating, personal watercraft, snorkeling, etc. Note: Students are eligible to achieve certification in Lifeguard Training CPR/AED for the professional rescuer, and First Aid. They must be 15 years of age to qualify for Lifeguard certification.

718	Strength Training and Conditioning	9-12	Elective	.5
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Prerequisite: 702 or minimum 10th grade and P.E. .5 Credit. This course is for students wishing to improve their overall physical conditioning. It will focus primarily on increasing endurance, developing large muscle groups, and cardiovascular conditioning. The course will also discuss the physiology and the "dos" and "don'ts" of exercise. Aerobic, anaerobic, free weights, machine weights, cross fit, yoga, and circuit training will be utilized. In addition students will learn about muscles in body anatomy and how to develop a personal fitness plan.

724	Team Sports	9-12	Elective	.5
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Prerequisite: 702 or minimum 10th grade and P.E. .5 Credit. This course will assist students in developing and maintaining active lifestyles while participating in team sports (i.e., touch football, softball, basketball, floor hockey, and team handball).

725	Outdoor Pursuits	9-12	Elective	.5
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Prerequisite: 702 or minimum 10th grade and P.E. .5 Credit. This course will enable students to learn wilderness and outdoor living skills (i.e., orienteering, hiking and climbing, camping, and environmental awareness such as the "Leave No Trace" wilderness ethics program. The course will also include participation in outdoor sports and games such as target archery, tennis, soccer, etc. and initiative activities for team and confidence building.

727	Leadership in Sports and Physical Education	10-12	Elective	.5
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Prerequisite: 724 or 725. This course will introduce students to the basics for effective leadership in sports and recreational activities. This is recommended for those planning a career in recreation, physical education, or sports medicine. Topics covered include physical education teaching, officiating, coaching, teamwork and leadership skills, CPR and First Aid, injury prevention, and advanced strategies for individual and team sports.

HEALTH

<u>#</u>	<u>Course</u>	<u>Grades</u>	<u>Credits</u>
751	Health Education	9-12	.5 Credit

HEALTH 751 IS REQUIRED FOR GRADUATION

#	Course	Grades	Meets	Credits
751	Health Education	9-12	Health	.5

Prerequisite: None. The aim of Health Education is to help in the development of personal responsibility for health. Students will be encouraged to consider good health, mental-emotional, physical, and social habits. They will have an opportunity to study and discuss many of the important aspects of the following topics: tobacco, alcohol, drugs, first aid, nutrition, reproductive health, HIV/AIDS, human sexuality, and CPR.

SCIENCE

#	Course	Grades	Credits
804	Earth & Space Science	9-12	.5 Credit
805	Physical Science	9-12	1.0 Credit
809	AP Environmental Science	10-12	1.0 Credit
810	Biology	9-12	1.0 Credit
812	AP Biology	10-12	1.0 Credit
825	Chemistry	9-12	1.0 Credit
829	AP Chemistry	10-12	1.0 Credit
830	Physics	9-12	1.0 Credit
832	AP Physics 1	10-12	1.0 Credit
833	AP Physics 2	11-12	1.0 Credit
840	Human Anatomy/Physiology	10-12	1.0 Credit
850	Astronomy	9-12	.5 Credit

Science Standard Level Course Recommended Sequence By Grade

<u>9th Grade</u>	<u>10th Grade</u>	<u>11th Grade</u>	<u>12th Grade</u>
Earth & Space Science Biology	Earth & Space Science Physical Science	Earth & Space Science Chemistry Physics Human Anatomy/Physiology	Earth & Space Science Optional Science Elective

Students that seek advance level science course work need to meet with their counselor or AP Coordinator. Advance level course work allows students to take more AP courses. The course recommendation above addresses standard level science students.

#	Course	Grades	Meets	Credits
804	Earth & Space Science	9-12	Science	.5

Prerequisite: None. This class is designed to meet the Next Generation Science Standards (NGSS) requirements for High School level content in Earth and Space Science. The class will emphasize the science content, science and engineering practices, and cross-cutting concepts that are interwoven through the NGSS. Students will make extensive use of real world phenomenon and scientific models to understand our planet and its relation to the cosmos. Topics studied will include: Earth's History, Earth and Space Systems, Weather and Climate, Human Sustainability.

805	Physical Science	9-12	Science	1.0
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Prerequisite: None. This course is designed to introduce students to the basic physical concepts of matter, motion and energy. Topics to be covered in the chemistry portion include, classifications of matter and energy, atomic theory, periodicity, chemical bonding, naming and formula writing of compounds, chemical reactions and changes, acids and bases, nuclear chemistry, and an introduction to carbon chemistry. Topics to be covered in the physics portion include speed, acceleration, force, energy conversions, heat, waves, sound light, electric and magnetic energy. Students will be involved in discussion, investigation, experimentation, problem solving and critical thinking activities.

809	AP Environmental Science	10-12	Science	1.0
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Prerequisite: Strongly recommended completion of two high school science credits prior to this course. This course is designed to engage students with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. This course is designed to prepare students for the AP exam. *Note: Students enrolled in any AP course must pass 1st semester in order to be allowed to remain in the class for 2nd semester. In the event your student has already registered and paid for any AP exam, they will be responsible for any exam cancellation fees.*

810	Biology	9-12	Science	1.0
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Prerequisite: None. Topics covered include the biochemistry of photosynthesis, respiration, and DNA. Plant and animal anatomy and physiology will be studied. Several dissections may be performed to correlate with comparative anatomy. The class will consist of lecture, discussion, and laboratory work. Supplies for students to be successful in class will be provided. Any items above and beyond course requirements may require a fee.

812	AP Biology	10-12	Science	1.0
<p>Prerequisite: Student must have passed a full year of Biology and Chemistry with grade of C or better. This course is designed to prepare highly motivated students for the AP exam. The students will be exposed to a comprehensive biology course using a college level test and an advanced laboratory program. Topics studied will be those suggested by the College Entrance Examination Board. <i>Note: Students enrolled in any AP course must pass 1st semester in order to be allowed to remain in the class for 2nd semester. In the event your student has already registered and paid for any AP exam, they will be responsible for any exam cancellation fees.</i></p>				
825	Chemistry	9-12	Science	1.0
<p>Prerequisite: None. Topics will include atomic structure, electron arrangements, periodicity, chemical bonding, formula writing, the mole concept, gas laws, states of matter, solutions, ionization and chemical equilibrium, acids and bases, titration, nuclear chemistry, electrochemistry, and an introduction to organic and biochemistry.</p>				
829	AP Chemistry	10-12	Science	1.0
<p>Prerequisite: Passed Chemistry with a grade C or better. Recommended completion or currently enrolled in Algebra II or higher math. This course is designed to prepare highly motivated students for the Advanced Placement Exam that is administered each spring. Students scoring high enough on this national standardized test may receive chemistry credit at the college they attend. The students will be exposed to a comprehensive chemistry course using a college level text and an advanced laboratory program. Topics studied will be those suggested by the College Entrance Examination Board. <i>Note: Students enrolled in any AP course must pass 1st semester in order to be allowed to remain in the class for 2nd semester. In the event your student has already registered and paid for any AP exam, they will be responsible for any exam cancellation fees.</i></p>				
830	Physics	9-12	Science	1.0
<p>Prerequisite: None. It is recommended that students pass 608 and 612 with a “C” or better. This course is designed to present a detailed study of the basic physical relationships of nature by means of investigation, experimentation, problem solving, discussion, and extension activities. Topics covered will include scientific processes, linear and two-dimensional motion, conservation laws, gravitation, thermodynamics, mechanical and electromagnetic waves, optical instruments, electricity, magnetism, and nuclear reactions. Any student planning a career or further education in science-related areas should take physics. Such areas include: engineering, technology, mathematics, computers, medicine, physical therapy, pharmacy and teaching. This course fulfills the senior year math requirement for graduation, if this course is not used to fulfill the required science credits of the MMC.</p>				
832	AP Physics 1	10-12	Science, Sr Math	1.0
<p>Prerequisite: C or better in 608. It is recommended that students pass 613 and 614. AP Physics 1 is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, power, and simple harmonic motion. This course includes hands-on explorations of physics content and inquiry labs. AP Physics 1 fulfills the senior math requirement for graduation, if this course is not used to fulfill the required science credits. There will be separate AP exams for AP Physics 1 and AP Physics 2. To fulfill the State of Michigan Physics Science credit both AP Physics 1 and 2 must be completed. <i>Note: Students enrolled in any AP course must pass 1st semester in order to be allowed to remain in the class for 2nd semester. In the event your student has already registered and paid for any AP exam, they will be responsible for any exam cancellation fees.</i></p>				
833	AP Physics 2	11-12	Science, Sr Math	1.0
<p>Prerequisite: 832. AP Physics 2 is the equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics, thermodynamics, electricity and magnetism, optics; as well as atomic and nuclear physics. This course includes hands-on explorations of physics content and inquiry labs. AP Physics 2 fulfills the senior math requirement for graduation, if this course is not used to fulfill the required science credits. There will be separate AP exams for AP Physics 1 and AP Physics 2. To fulfill the State of Michigan Physics Science credit both AP Physics 1 and 2 must be completed. <i>Note: Students enrolled in any AP course must pass 1st semester in order to be allowed to remain in the class for 2nd semester. In the event your student has already registered and paid for any AP exam, they will be responsible for any exam cancellation fees.</i></p>				
840	Human Anatomy/Physiology	10-12	Science	1.0
<p>Prerequisite: 810 or 813. Human Anatomy/Physiology will be an in depth course studying the human body. Topics will include the basic systems (parts and functions), the interrelationship between the systems, diseases and disorders. Dissections, research papers, and extensive microscope work may be included. A mannequin will be used to construct the systems from clay. There will also be emphasis on potential careers utilizing this area of study. Passing Chemistry is recommended.</p>				
850	Astronomy	9-12	Science	.5
<p>Prerequisite: None. This is a one semester introductory course in astronomy which is considered an advanced science course at the high school level. The course will emphasize the observational aspects of astronomy. Topics include the place of the earth in the universe, solar system studies, history of astronomy, mythology of the constellations, the nature and distribution of stars and galaxies, space travel and the search for extraterrestrial life. Practical laboratory experiments will be performed in class as well as night observations with telescopes. <i>Students will be expected to spend several evenings/mornings during the semester observing the night sky.</i></p>				

SOCIAL STUDIES

#	Course	Grades	Credits
902	World History	10-12	1.0 Credit
904	Honors World History	9-12	1.0 Credit
926	US History 1870 to Present	9-12	1.0 Credit
930	Economics Survey	11-12	.5 Credit
932	US Government	11-12	.5 Credit
941	AP European History	10-12	1.0 Credit
942	AP United States Government and Politics	11-12	.5 Credit
946	AP US History	11-12	1.0 Credit
951	You and the Law	10-12	.5 Credit
955	Psychology	10-12	1.0 Credit
956	Introduction to Sociology	10-12	.5 Credit

Social Studies Standard Level Course Recommended Sequence By Grade

9 th Grade	10 th Grade	11 th Grade	12 th Grade
US History 1870 to Present	World History	Economics Survey US Government	Optional Social Studies Elective

Students that seek advance level social studies course work need to meet with their counselor. Advance level course work allows students to take more AP courses. The course recommendation above addresses standard level social studies students.

#	Course	Grade	Meets	Credit
902	World History	10-12	Social Studies	1.0

Prerequisite: None. This class will explore several worldwide themes that have developed and influenced human history over the past one thousand years. These themes include early interaction between continents, the development of nations and empires, global and regional revolutions, global crisis, and contemporary global issues. Students will take an in-depth look at these issues, discussing their influence on our past, present and future. In the pursuit of learning about the world and its history, students will also be practicing and refining certain skills, such as researching, writing, speaking, and comprehensive reading.

904	Honors World History	9-12	Social Studies	1.0
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Prerequisite: None. It is recommended that students wishing to take this course passed their 8th grade social studies with a grade of “B” or higher. This course is for college-bound students who are largely self-motivated. In order to be successful, students should have ninth grade reading and writing skills. This class will explore several worldwide themes that have developed and influenced human history in the past. These themes include world religions, hemispheric interactions, development of global age, and global revolutions. The course surveys these themes in different regions of the world. Students will develop geographic knowledge and skills. They will also improve comprehensive reading skills of both primary and secondary sources and practice writing argumentative and informational text. *Note: Students enrolled in any honors course must pass 1st semester in order to be allowed to remain in the class for 2nd semester.*

926	US History 1870 to Present	9-12	Social Studies	1.0
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Prerequisite: None This course is a comprehensive survey of the growth of the American social, political, and economic systems from 1870 to the present. Students will explore and analyze American history through a variety of mediums and assignments. They will expand their critical thinking techniques while investigating primary and secondary source materials that reflect American society throughout time.

930	Economics Survey	11-12	Social Studies	.5
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Prerequisite: None. This course is a comprehensive study of the U.S. economic system and fulfills the graduation requirement for Economics. Topics of instruction include: scarcity, economic goals, consumption, production, supply and demand, prices, role of government, money, banking, inflation, recession, monetary and fiscal policy, taxes, international finance and trade, and other economic systems.

932	US Government	11-12	Social Studies	.5
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Prerequisite: None. This course is a comprehensive description of governmental structure and political processes and contains a civics component, which includes exposure to national, state, and local governments. Emphasis is placed on issues that students need to understand as they approach the time when their vote and influence will become an increasingly important factor in shaping public opinion and determining governmental policies.

941 AP European History	10-12	Elective	1.0
<p>Prerequisite: It is recommended students have NWEA score of 220 or above. This course focuses its attention on information equivalent to an entry-level Western Civilization course. The emphasis is on the general narrative of European History, from 1350 to the present, and examines the political, diplomatic, intellectual, cultural, social, and economic aspects of this time period. The course is designed to develop an understanding of the contributions made by Western Civilization and to increase students analytical, written and oral skills. Analysis of these themes in European History will be examined through primary and secondary sources. NOTE: Students must possess strong skills in English and be prepared for the rigors of an in-depth historical study. Students are strongly encouraged to participate in summer reading to prepare for the course. <i>Note: Students enrolled in any AP course must pass 1st semester in order to be allowed to remain in the class for 2nd semester. In the event your student has already registered and paid for any AP exam, they will be responsible for any exam cancellation fees.</i></p>			
942 AP United States Government and Politics	11-12	Social Studies	.5
<p>Prerequisite: 902 or 904, 926 or concurrent with 946. Students will study the nature of American government and politics at an in-depth level. There will be a concentration on the nature of the American federal style of government and the social and cultural interaction that has taken place throughout history. An analysis of current topics and future developments will be used to enhance the understanding of America's Democratic Republic. <i>Note: Students enrolled in any AP course must pass 1st semester in order to be allowed to remain in the class for 2nd semester. In the event your student has already registered and paid for any AP exam, they will be responsible for any exam cancellation fees.</i></p>			
946 AP US History	11-12	Social Studies	1.0
<p>Prerequisite: It is recommended students have NWEA score of 222 or above. This course is designed to develop the analytical skills and factual knowledge necessary for students to think critically about the problems, materials, evidence, and interpretations presented by historians covering American history from pre Columbus to modern. Students will analyze various themes in American History will be examined through primary and secondary sources. Note: Students must possess strong skills in English and be prepared for the rigors of an in-depth historical study. Students are strongly encouraged to participate in summer reading to prepare for the course. <i>Note: Students enrolled in any AP course must pass 1st semester in order to be allowed to remain in the class for 2nd semester. In the event your student has already registered and paid for any AP exam, they will be responsible for any exam cancellation fees.</i></p>			
951 You and the Law	10-12	Elective	.5
<p>Prerequisite: None. This course is designed to educate students about law that is of use in everyday life. Students will learn general information about the structure and operation of the legal system; observe real life courtroom drama and learn how to use the law to improve his or her life. They will also have an understanding of legal rights and responsibilities, knowledge of everyday legal problems; and the ability to analyze, evaluate, and resolve legal disputes. Specific topics will include criminal and juvenile justice, torts and individual rights and responsibilities. A variety of individual and group instructional methods will be used as well as community resources and guest speakers.</p>			
955 Psychology	10-12	Elective	1.0
<p>Prerequisite: Students should have NWEA reading score of 220 or above. This course examines the interaction of biological, cognitive and sociocultural influences on human behavior, thereby adopting an integrative approach. Understanding how psychological knowledge is generated, developed and applied enables students to achieve a greater understanding of themselves and appreciate the diversity of human behavior.</p>			
956 Introduction to Sociology	10-12	Elective	.5
<p>Prerequisite: None. This course will study the social environment that we live in. It will concentrate on the groups in which we participate, the organizations we form, the rules we live by, and the patterns of behavior we follow. Group learning and open discussion will be emphasized.</p>			

PEER COUNSELING & LEADERSHIP DEVELOPMENT

#	Course	Grades	Credits
015	Peer to Peer (LINKS)	9-12	.5 – 1.0 Credit
958	Peer Counseling I	10-12	.5 Credit
959	Peer Counseling II	10-12	.5 Credit
960	Peer Counseling III	11-12	.5 Credit
961	Leadership Development	10-12	.5 Credit
962	Introduction to Leadership	9-12	1.0 Credit
970	Gaining Academic Potential (GAP)	9-12	1.0 Credit
998	Tutor Assistant Program (TAP)	11-12	1.0 Credit

Peer Counseling & Leadership Development			
9 th Grade	10 th Grade	11 th Grade	12 th Grade
GAP	GAP	GAP	GAP
Introduction to Leadership	Peer Counseling I	Peer Counseling I	Peer Counseling I
Peer to Peer (LINKS)	Peer Counseling II	Peer Counseling II	Peer Counseling II
	Introduction to Leadership	Peer Counseling III	Peer Counseling III
	Leadership Development	Introduction to Leadership	Introduction to Leadership
	Peer to Peer (LINKS)	Leadership Development	Leadership Development
		Peer to Peer (LINKS)	Tutor Assistant Program
		Tutor Assistant Program	Peer to Peer (LINKS)

#	Course	Grade	Meets	Credit
015	Peer to Peer (LINKS)	9-12	VPAA	.5 - 1.0

Prerequisite: None. Application required. Peer to Peer provides opportunities for students to learn to relate to people with different needs and develop an increased understanding of individual differences. Students work collaboratively with a student (or students) on common goals. Peer to Peer students act as peer models and mentors, encouraging student responsibility and appropriate social behaviors. The curriculum offers opportunities for the learning and application of skills that promote responsibility, collaboration, leadership, and empathy, among others.

958	Peer Counseling I	10-12	VPAA	.5
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Prerequisite: None. This course focuses on developing human relation skills and fostering the personal growth of its members. Course curriculum includes peer influence, communication, stress and coping, assertiveness training, decision-making, problem solving, depression, bullying, life planning, anger management, goal setting, and other topics facing teens in today's world. Self-awareness, assertiveness, and helping others will be incorporated.

959	Peer Counseling II	10-12	VPAA	.5
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Prerequisite: 958, Teacher Signature. This course is designed to train students in developing and implementing small/large group presentations on issues faced by adolescents; however, not restricted to this age group. In addition, it will train students to provide services in the high school, and develop personal counseling skills and knowledge of appropriate information. Group leadership skills and group dynamics as well as practical experience in positive interpersonal relations are included. Students will be trained in conflict mediation.

960	Peer Counseling III	11-12	VPAA	.5
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Prerequisite: 959, Teacher Signature. This course is designed for students to staff two peer counseling rooms at Heritage High School on an hourly basis. These students will help other students with personal problems, conflict resolution, and tutoring. They will also facilitate support groups and provide other services based on a needs assessment.

961	Leadership Development	10-12	VPAA	.5
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Prerequisite: 962. This course is based on the belief that good leaders are created - not born. Therefore, it is designed for students to learn and practice leadership skills. Students will be expected to become involved in a wide variety of school and community service learning projects and study the basics of leadership and fellowship. Major topics of study include: fundamentals of leadership, dealing with people, goal setting, organization, ethics and leadership, self-awareness and personal growth. This course requires students to participate in projects and events outside of school hours.

962	Introduction to Leadership	9-12	VPAA	1.0
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Prerequisite: None. The attributes of successful leaders can be identified and taught. This yearlong course is designed to give students the opportunity to learn the ways in which they can become successful leaders in our school and community. Major topics of study include: self-awareness, leadership styles, time management, goal setting, organization, ethics and leadership, and personal growth. **This course requires students to participate in projects and events outside of school hours.**

970	Gaining Academic Potential (GAP)	9-12	VPAA	1.0
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Prerequisite: None. This course is designed to strengthen academic skills in core areas. There will be a focus on strategies in math OR reading and writing. This course will help students to achieve the requirements set by the Michigan Department of Education and the Common Core. There will also be an emphasis on equipping students for college and career readiness. Students may be recommended for this course based on the following: NWEA and/or other assessment scores, GPA in core classes, and/or state assessments.

998	Tutor Assistant Program (TAP)	11-12	Elective	1.0
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Prerequisite: None. Student must have a minimum GPA of 3.4. Students will fill out an application and complete an interview. Senior students will work within GAP classrooms as immediate tutors placed to help close the achievement gap and offer all students a chance to succeed academically. TAP students are used as a tool to compliment teacher instruction by assisting students that may require more individualized assistance. The Tutor Assistant Program is an elective, and those students selected to take part in the program must recognize the level of professionalism and organization that it will take to be a successful part of the program.

ONLINE COURSES

NOTE: Students must meet with their counselor to determine the availability of these courses.

<u>#</u>	<u>Course</u>	<u>Grades</u>	<u>Credits</u>
E100	Introduction to Art	9-12	.5 Credit
E101	Art History I	9-12	.5 Credit
E260	Career Exploration	9-12	1.0 Credit
E262	Career Plan & Development	9-12	.5 Credit
E502	English 9	9-12	1.0 Credit
E510	English 10	10-12	1.0 Credit
E517	English 11	11-12	1.0 Credit
E518	English 12	12	1.0 Credit
E533	Communication & Speech	9-12	.5 Credit
E540	Literature & Composition I	9-12	.5 Credit
E541	Literature & Composition II	9-12	.5 Credit
E608	Algebra I	9-12	1.0 Credit
E612	Geometry	9-12	1.0 Credit
E613	Algebra II	10-12	1.0 Credit
E620	Introduction to Statistics	9-12	.5 – 1.0 Credit
E628	Math Models & Applications	10-12	1.0 Credit
E629	Financial Math	10-12	1.0 Credit
E630	Personal Finance	9-12	.5 Credit
E665	Online Learning & Digital Citizenship	9-12	.5 Credit
E751	Health	9-12	.5 Credit
E804	Earth Science	9-12	1.0 Credit
E805	Physical Science	9-12	1.0 Credit
E809	Environmental Science	9-12	1.0 Credit
E810	Biology	9-12	1.0 Credit
E825	Chemistry	10-12	1.0 Credit
E830	Physics	10-12	1.0 Credit
E900	Human Geography	9-12	1.0 Credit
E902	World History	10-12	1.0 Credit
E926	US History	9-12	1.0 Credit
E930	Economics	10-12	.5 Credit
E932	US Government	10-12	.5 Credit
E952	Psychology	9-12	1.0 Credit
E956	Sociology	9-12	.5 Credit

#	Course	Grade	Meets	Credits
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E100	Introduction to Art	9-12	Elective	.5
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Prerequisite: None. Covering art appreciation and the beginning of art history, this course encourages students to gain an understanding and appreciation of art in their everyday lives. Presented in an engaging format, this one-semester course provides an overview of many introductory themes: the definition of art, the cultural purpose of art, visual elements of art, terminology and principles of design, and two- and three-dimensional media and techniques. Tracing the history of art, high school students enrolled in the course also explore the following time periods and places: prehistoric art, art in ancient civilizations, and world art before 1400.

E101	Art History I	9-12	Elective	.5
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Prerequisite: None. Introducing art within historical, social, geographical, political, and religious contexts for understanding art and architecture through the ages, this course offers high school students an in-depth overview of art throughout history, with lessons organized by chronological and historical order and world regions. Students enrolled in this one-semester course cover topics including early medieval and Romanesque art; art in the twelfth, thirteenth, and fourteenth centuries; fifteenth-century art in Europe; sixteenth-century art in Italy; the master artists; High Renaissance and baroque art; world art, which includes the art of Asia, Africa, the Americas, and the Pacific cultures; eighteenth- and nineteenth-century art in Europe and the Americas; and modern art in Europe and the Americas.

E260	Career Explorations	9-12	Elective	1.0
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Prerequisite: None. This course prepares middle school students to make informed decisions about their future academic and occupational goals. Through direct instruction, interactive skill demonstrations, and practice assignments, students learn how to assess their own skills and interests, explore industry clusters and pathways, and develop plans for career and academic development. This course is designed to provide flexibility for students; any number of units can be selected to comprise a course that meets the specific needs of students.

E262	Career Planning & Development	9-12	Elective	.5
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Prerequisite: None. Introducing high school students to the working world, this course provides the knowledge and insight necessary to compete in today's challenging job market. This relevant and timely course helps students investigate careers as they apply to personal interests and abilities, develop the skills and job search documents needed to enter the workforce, explore the rights of workers and traits of effective employees, and address the importance of professionalism and responsibility as careers change and evolve. This one-semester course includes lessons in which students create a self-assessment profile, a cover letter, and a résumé that can be used in their educational or career portfolio.

E502	English 9	9-12	English	1.0
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Prerequisite: None. This freshman-year English course engages students in literary analysis and inferential evaluation of great texts both classic and contemporary. While critically reading fiction, poetry, drama and literary nonfiction, students will master comprehension and literary-analysis strategies. Interwoven in the lessons across two semesters are activities that encourage students to strengthen their oral language skills and produce clear, coherent writing. Students will read a range of classic texts including Homer's *The Odyssey*, Shakespeare's *Romeo and Juliet*, and Richard Connell's "The Most Dangerous Game." They will also study short but complex texts, including influential speeches by Dr. Martin Luther King Jr., Franklin D. Roosevelt, and Ronald Reagan. Contemporary texts by Richard Preston, Julia Alvarez, and Maya Angelou round out the course.

E510	English 10	10-12	English	1.0
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Prerequisite: None. Focused on application, this sophomore English course reinforces literary analysis and twenty-first century skills with superb pieces of literature and literary nonfiction, application e-resources, and educational interactives. Each thematic unit focuses on specific literary analysis skills and allows students to apply them to a range of genres and text structures. As these units meld modeling and application, they also expand on training in media literacy, twenty-first century career skills, and the essentials of grammar and vocabulary. Under the guidance of the eWriting software, students also compose descriptive, persuasive, expository, literary analysis, research, narrative, and compare-contrast essays.

E517	English 11	11-12	English	1.0
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Prerequisite: None. This junior-year English course invites students to delve into American literature from early American Indian voices through contemporary works. Students engage in literary analysis and inferential evaluation of great texts as the centerpieces of this course. While critically reading fiction, poetry, drama, and expository nonfiction, students master comprehension and literary analysis strategies. Interwoven in the lessons across two semesters are tasks that encourage students to strengthen their oral language skills and produce creative, coherent writing. Students read a range of short but complex texts, including works by Ralph Waldo Emerson, Emily Dickinson, Herman Melville, Nathaniel Hawthorne, Paul Laurence Dunbar, Martin Luther King, Jr., F. Scott Fitzgerald, Sandra Cisneros, Amy Tan, and Dave Eggers.

E518	English 12	12	English	1.0
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Prerequisite: None. This senior-level English course offers fascinating insight into British literary traditions spanning from Anglo-Saxon writing to the modern period. With interactive introductions and historical contexts, this full-year course connects philosophical, political, religious, ethical, and social influences of each time period to the works of many notable authors, including Chaucer, William Shakespeare, Queen Elizabeth I, Elizabeth Barrett Browning, and Virginia Woolf. Adding an extra dimension to the British literary experience, this course also exposes students to world literature, including works from India, Europe, China, and Spain.

E533	Communications & Speech	9-12	Elective	.5
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Prerequisite: None. Beginning with an introduction that builds student understanding of the elements, principles, and characteristics of human communication, this course offers fascinating insight into verbal and nonverbal messages and cultural and gender differences in the areas of listening and responding. High school students enrolled in this one-semester course will be guided through engaging lectures and interactive activities, exploring themes of self-awareness and perception in communication. The course concludes with units on informative and persuasive speeches, and students are given the opportunity to critique and analyze speeches.

E540	Literature & Composition I	9-12	English	.5
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Prerequisite: None. This course is one of two, semester-long intervention courses designed to support the development of strategic reading and writing skills. These courses use a thematic and contemporary approach, including high-interest topics to motivate students and expose them to effective instructional principles using diverse content area and real-world texts. Both courses offer an engaging technology based interface that inspires and challenges students to gain knowledge and proficiency in the following comprehension strategies: summarizing, questioning, previewing and predicting, recognizing text structure, visualizing, making inferences, and monitoring understanding with metacognition. Aimed at improving fluency and vocabulary, self-evaluation strategies built into these courses inspire students to take control of their learning.

E541	Literature & Composition II	9-12	English	.5
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Prerequisite: None. Offering high-interest topics to motivate students who are reading two to three levels below grade, this course works in conjunction with Literacy & Comprehension I to use a thematic and contemporary approach to expose students to effective instructional principles using diverse content area and real-world texts. Presented as two, one-semester, reading-intervention courses, each offers an engaging, technology-based interface that inspires and challenges high school and middle school students to gain knowledge and proficiency in the following comprehension strategies: summarizing, questioning, previewing and predicting, recognizing text structure, visualizing, making inferences, and monitoring understanding with metacognition. Aimed at improving fluency and vocabulary, self-evaluation strategies built into these courses inspire students to take control of their learning.

E608	Algebra I	9-12	Math	1.0
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Prerequisite: None. This full-year course focuses on five critical areas: relationships between quantities and reasoning with equations, linear and exponential relationships, descriptive statistics, expressions and equations, and quadratic functions and modeling. This course builds on the foundation set in middle grades by deepening students' understanding of linear and exponential functions and developing fluency in writing and solving one-variable equations and inequalities. Students will interpret, analyze, compare, and contrast functions that are represented numerically, tabularly, graphically, and algebraically. Quantitative reasoning is a common thread throughout the course as students use algebra to represent quantities and the relationships among those quantities in a variety of ways. Standards of mathematical practice and process are embedded throughout the course, as students make sense of problem situations, solve novel problems, reason abstractly, and think critically.

E612	Geometry	9-12	Math	1.0
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Prerequisite: None. This course formalizes what students learned about geometry in the middle grades with a focus on reasoning and making mathematical arguments. Mathematical reasoning is introduced with a study of triangle congruency, including exposure to formal proofs and geometric constructions. Then students extend what they have learned to other essential triangle concepts, including similarity, right-triangle trigonometry, and the laws of sines and cosines. Moving on to other shapes, students justify and derive various formulas for circumference, area, and volume, as well as cross-sections of solids and rotations of two-dimensional objects. Students then make important connections between geometry and algebra, including special triangles, slopes of parallel and perpendicular lines, and parabolas in the coordinate plane, before delving into an in-depth investigation of the geometry of circles. The course closes with a study of set theory and probability, as students apply theoretical and experimental probability to make decisions informed by data analysis.

E613	Algebra II	10-12	Math	1.0
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Prerequisite: None. This course focuses on functions, polynomials, periodic phenomena, and collecting and analyzing data. The course begins with a review of linear and quadratic functions to solidify a foundation for learning these new functions. Students make connections between verbal, numeric, algebraic, and graphical representations of functions and apply this knowledge as they create equations and inequalities that can be used to model and solve mathematical and real-world problems. As students refine and expand their algebraic skills, they will draw analogies among the operations and field properties of real numbers and those of complex numbers and algebraic expressions. Mathematical practices and habits of mind are embedded throughout the course, as students solve novel problems, reason abstractly, and think critically.

E620	Introduction to Statistics	9-12	Elective	.5-1.0
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Prerequisite: None. Students in this course will master the basic principles of statistics. The course covers topics that include statistical principles, research methodologies, data analysis, and hypothesis testing. Students will demonstrate the application of these topics to everyday situations. Upon course completion, students will be able to grasp and identify key principles of statistical reasoning and methods; apply concepts of data and data representation in a real-world context; calculate variation and central tendency and recognize patterns in distributions; and apply concepts of probability and risk in real-life scenarios. Additionally, students will be able to determine correlation and causation and distinguish between them in context. They will be able to apply concepts of hypothesis testing and utilize t-tests, z-tests and ANOVA in real-world situations.

E628	Math Models & Applications	9-12	Math	1.0
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Prerequisite: None. Broadening and extending the mathematical knowledge and skills acquired in Algebra I, the primary purpose of this course is to use mathematics as a tool to model real-world phenomena students may encounter daily, such as finance and exponential models. Engaging lessons cover financial topics, including growth, smart money, saving, and installment-loan models. Prior mathematical knowledge is expanded and new knowledge and techniques are developed through real-world application of useful mathematical concepts.

E629	Financial Math	9-12	Math	1.0
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Prerequisite: None. Connecting practical mathematical concepts to personal and business settings, this course offers informative and highly useful lessons that challenge students to gain a deeper understanding of financial math. Relevant, project-based learning activities cover stimulating topics such as personal financial planning, budgeting and wise spending, banking, paying taxes, the importance of insurance, long-term investing, buying a house, consumer loans, economic principles, traveling abroad, starting a business, and analyzing business data. Offered as a two-semester course for high school students, this course encourages mastery of math skill sets, including percentages, proportions, data analysis, linear systems, and exponential functions.

E630	Personal Finance	9-12	Elective	.5
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Prerequisite: None. This introductory finance course teaches what it takes to understand the world of finance and make informed decisions about managing finances. Students learn more about economics and become more confident in setting and researching financial goals as they develop the core skills needed to be successful. In this one-semester course, students learn how to open bank accounts, invest money, apply for loans, apply for insurance, explore careers, manage business finances, make decisions about major purchases, and more. Students will be inspired by stories from finance professionals and individuals who have reached their financial goals.

E665	Online Learning & Digital Citizenship	9-12	Elective	.5
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Prerequisite: None. This one-semester course provides students with a comprehensive introduction to online learning, including how to work independently, stay safe, and develop effective study habits in virtual learning environments. Featuring direct-instruction videos, interactive tasks, authentic projects, and rigorous assessments, the course prepares students for high school by providing in-depth instruction and practice in important study skills such as time management, effective note-taking, test preparation, and collaborating effectively online. By the end of the course, students will understand what it takes to be successful online learners and responsible digital citizens.

E751	Health	9-12	Health	.5
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Prerequisite: None. High School health is a one-semester course that gives students the opportunity to learn about overall health and its many facets, to practice life skills, and to develop attitudes that can benefit them throughout their lives. The course provides opportunities for students to practice and reflect upon healthy decision-making strategies and their use. The content for the course is based on current information provided by the Centers for Disease Control, the National Institute of Health, and many of the NIH divisions.

E804	Earth Science	9-12	Science	1.0
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Prerequisite: None. This full-year course introduces students to the study of Earth and its place in the universe. The course leads students toward a clearer understanding of geology, oceanography, meteorology, and astronomy. As students refine and expand their understanding of Earth science, they will apply their knowledge in investigations that require them to ask questions and explore the world around them. Throughout the course, students will also solve problems, reason abstractly, and learn to think critically.

E805	Physical Science	9-12	Science	1.0
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Prerequisite: None. This full-year course focuses on basic concepts in chemistry and physics and encourages exploration of new discoveries in the field of physical science. The course includes an overview of scientific principles and procedures and has students examine the chemical building blocks of our physical world and the composition of matter. Additionally, students explore the properties that affect motion, forces, and energy on Earth. Building on these concepts, the course covers the properties of electricity and magnetism and the effects of these phenomena. As students refine and expand their understanding of physical science, they will apply their knowledge to complete interactive virtual labs that require them to ask questions and create hypotheses. Hands-on wet lab options are also available.

E809	Environmental Science	9-12	Science	1.0
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Prerequisite: None. Environmental Science is a captivating and rapidly expanding field. This two-semester course offers compelling lessons that cover many aspects of the field: ecology, the biosphere, land, forests and soil, water, energy and resources, and societies and policy. Through unique activities and material, high school students connect scientific theory and concepts to current, real-world dilemmas, providing them with opportunities for mastery in each of the segments throughout the semester.

E810	Biology	9-12	Science	1.0
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Prerequisite: None. This compelling two-semester course engages students in the study of life and living organisms and examines biology and biochemistry in the real world. This is a yearlong course that encompasses traditional concepts in biology and encourages exploration of new discoveries in this field of science. The components include biochemistry, cell biology, cell processes, heredity and reproduction, the evolution of life, taxonomy, human body systems, and ecology. This course includes both hands-on wet labs and virtual lab options.

E825	Chemistry	10-12	Science	1.0
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Prerequisite: None. This rigorous, full-year course engages students in the study of the composition, properties, changes, and interactions of matter. The course covers the basic concepts of chemistry and includes eighteen virtual laboratory experiments that encourage higher-order thinking applications, with wet lab options if preferred. The components of this course include chemistry and its methods, the composition and properties of matter, changes and interactions of matter, factors affecting the interactions of matter, electrochemistry, organic chemistry, biochemistry, nuclear chemistry, mathematical applications, and applications of chemistry in the real world.

E830	Physics	10-12	Science	1.0
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Prerequisite: None. This full-year course acquaints students with topics in classical and modern physics. The course emphasizes conceptual understanding of basic physics principles, including Newtonian mechanics, energy, thermodynamics, waves, electricity, magnetism, and nuclear and modern physics. Throughout the course, students solve mathematical problems, reason abstractly, and learn to think critically about the physical world. The course also includes interactive virtual labs and hands-on lab options, in which students ask questions and create hypotheses.

E900	Human Geography	9-12	Social Studies	1.0
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Prerequisite: None. Examining current global issues that impact our world today, this course takes a thematic approach to understanding the development of human systems, human understanding of the world, and human social organization. Divided into two semesters, this high school course will challenge students to develop geographic skills, including learning to interpret maps, analyze data, and compare theories. Offering interactive content that will grow students' understanding of the development of modern civilization and human systems— from the agricultural revolution to the technological revolution—this course encourages students to analyze economic trends as well as compare global markets and urban environments.

E902	World History	10-12	Social Studies	1.0
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Prerequisite: None. Providing students with an opportunity to learn the diverse history that has shaped our world, this course delves into the evolution of civilization from the rise of ancient empires through the twenty-first century. Middle school students enrolled in this exciting and informative course investigate the development of medieval societies, the effects of the Renaissance and the Reformation, and the progress made during various periods of revolution, industrialization, urbanization, and reform. Over the course of two semesters, students analyze effects of political conflicts and social issues on the continuing development and interdependence among nations in the modern world.

E926	US History	9-12	Social Studies	1.0
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Prerequisite: None. Offering an interactive and comprehensive overview of American history, this course engages and inspires students to learn about the rich and diverse history of America’s native peoples, early European colonization and settlement in America, and the creation of a new nation through the American Revolution. Middle school students enrolled in this course will closely examine major changes brought about by the nation’s reconstruction, industrialization, urbanization, and progressive reforms and consider the implications each of these events had on the expansion of the United States’ global influence through modern times. Over the course of two semesters, interesting course content encourages students to think carefully about the challenges and opportunities facing the United States in the twenty-first century.

E930	Economics	10-12	Social Studies	.5
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Prerequisite: None. This course invites students to broaden their understanding of how economic concepts apply to their everyday lives—including microeconomic and macroeconomic theory and the characteristics of mixed-market economies, the role of government in a free-enterprise system and the global economy, and personal finance strategies. Throughout the course, students apply critical-thinking skills while making practical economic choices. Students also master literacy skills through rigorous reading and writing activities. Students analyze data displays and write routinely and responsively in tasks and assignments that are based on scenarios, texts, activities, and examples. In more extensive, process-based writing lessons, students write full-length essays in informative and argumentative formats.

E932	US Government	10-12	Social Studies	.5
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Prerequisite: None. This semester-long course provides students with a practical understanding of the principles and procedures of government. The course begins by establishing the origins and founding principles of American government. After a rigorous review of the Constitution and its amendments, students investigate the development and extension of civil rights and liberties. Lessons also introduce influential Supreme Court decisions to demonstrate the impact and importance of constitutional rights. The course builds on this foundation by guiding students through the function of government today and the role of citizens in the civic process and culminates in an examination of public policy and the roles of citizens and organizations in promoting policy changes. Throughout the course, students examine primary and secondary sources, including political cartoons, essays, and judicial opinions. Students also sharpen their writing skills in shorter tasks and assignments and practice outlining and drafting skills by writing full informative and argumentative essays.

E952	Psychology	9-12	Social Studies	1.0
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Prerequisite: None. This two-semester course introduces high school students to the study of psychology and helps them master fundamental concepts in research, theory, and human behavior. Students analyze human growth, learning, personality, and behavior from the perspective of major theories within psychology, including the biological, psychosocial, and cognitive perspectives. From a psychological point of view, students investigate the nature of being human as they build a comprehensive understanding of traditional psychological concepts and contemporary perspectives in the field. Course components include an introduction to the history, perspectives, and research of psychology; an understanding of topics such as the biological aspects of psychology, learning, and cognitive development; the stages of human development; aspects of personality and intelligence; the classification and treatment of psychological disorders; and psychological aspects of social interactions.

E956	Sociology	9-12	Social Studies	.5
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Prerequisite: None. Providing insight into the human dynamics of our diverse society, this is an engaging, one-semester course that delves into the fundamental concepts of sociology. This interactive course, designed for high school students, covers cultural diversity and conformity, basic structures of society, individuals and socialization, stages of human development as they relate to sociology, deviance from social norms, social stratification, racial and ethnic interactions, gender roles, family structure, the economic and political aspects of sociology, the sociology of public institutions, and collective human behavior, both historically and in modern times.

SPECIAL OFFERINGS

<u>#</u>	<u>Course</u>	<u>Grades</u>	<u>Credits</u>
COMM	Community Service	9-12	.5 Credit (90 Hours) 1.0 Credit (180 Hours)
CRE	Career Experience Credit	11-12	.5 Credits
EMP	Employment Credit	10-12	.5 – 1.0 Credits
GLBEC	Great Lakes Bay College	10-12	
GMCA	Greater Michigan Construction Academy	11-12	3.0 Credits
IS	Independent Study	11-12	.5 Credit Semester, 1.0 Credit Year Class
SA	Saginaw Arts and Science Academy	9-12	3 Credits
SC	Saginaw Career Complex	11-12	4.0 Credits
091	Work Based Learning (SE)	11-12	
243	Work Based Learning (WBL)	9-12	.5 Credit
244	Work Based Learning (WBL)	9-12	1.0 Credit
245	Work Based Learning (WBL)	9-12	1.5 Credit

<u>#</u>	<u>Course</u>	<u>Grades</u>	<u>Meets</u>	<u>Credits</u>
COMM	Community Service	9-12	Elective	.5 – 1.0

Prerequisite: Administrator Approval. A student can be involved in a voluntary experience in the community, which results in benefiting the community. An example would be working at the soup kitchen. **An application must be completed with a counselor for administrative approval prior to accumulating volunteer hours.** Students may earn up to 1 credit for community service in their high school career. The experience must be non-paid and outside the normal school day. Students may complete community service hours in no more than two (2) approved locations. See your counselor for further details to get Community Service credit.

<u>CRE</u>	<u>Career Experience Credit</u>	<u>11-12</u>	<u>Elective</u>	<u>.5</u>
Prerequisite: Completion of Career Experience Packet, #. Career Experience is for 11th and 12th grade students who are interested in learning about a career that they are considering in their future. During the experience students will shadow a professional and observe the ins and outs of that professional's career. Upon completion of the experience, the student should be able to clearly identify the professional's responsibilities/duties and will hopefully have an idea about whether they would like a future in this career field. The student finds their own Career Experience placement, volunteers (non-paid), completes their experience under supervision, and not done with a family member. Three job shadow opportunities at different placements are required. Eight hours must be completed at each placement and this can be done during the school day. Thirty hours of extended experience with at least one of the job shadow placements must be done after school hours.				

<u>EMP</u>	<u>Employment Credit</u>	<u>9-12</u>	<u>Elective</u>	<u>.5 – 1.0</u>
Prerequisite: Registration with Counselor, #. Employment credit is a process that will allow students to earn elective credit (no grade/no GPA) for demonstrating Career and Employability Skills by attaining and holding a job. Employment must be in addition to the required 7 period day. Students need to earn 90 clock hours or more over an 18-week period with the same employer to earn a ½ credit. Students can earn up to 1 credit. Once employment is secured, students must register for credits with their School Counselor or if in the summer, with the Assistant Principal.				

GLBEC	Great Lakes Bay Early College	10-12	
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Prerequisite: GLBEC and Administrative Approval. The GLBEC is a program partnership between the Saginaw Intermediate School District, Saginaw Valley State University, Delta College and Davenport University aimed at providing high school students the opportunity to earn up to 60 college credits while completing their graduation requirements. While students will no longer be attending class at Heritage, they can still participate in sports and other extra-curricular activities. The program itself is offered free of charge to the students; students are responsible for providing their own transportation as well as the cost of textbook and other course supplies. GLBEC is designed as a three-year program; at the end of the three years, students will receive their high school diploma (issued from their home high school) and will have the opportunity of continuing their college experience at SVSU or applying as a “freshmen with transfer credits” to another college or university. GLBEC students are still able to participate in graduation activities; however, they will not be eligible for academic awards from HHS. Students must complete and submit the application packet and corresponding documents directly to the GLBEC program.

GMCA	Greater Michigan Construction Academy	11-12	Elective	3.0
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Prerequisite: Work Based Learning Coordinator Approval OR Administrator Approval. The Greater Michigan Construction Academy is a program that facilitates opportunities for career growth in the construction industry with focus in construction, electrical and many other trades. GMCA students get a head start on their future in a high quality, technical education program while also earning industry certifications and credentials. Classes are held off campus in Midland, through module based learning and students are eligible to earn 3 high school work based learning credits during their junior and senior years. *GMCA is an accredited Training and Assessment Center of the NCCER and a licensed Michigan Proprietary School endorsed by the Department of Labor/Office of Apprenticeship.* Eligible students will have to provide their own transportation. Applications are available in the Counseling Department. More information about GMCA can be found at www.gmcacademy.org.

IS	Independent Study	11-12	Elective	.5 – 1.0
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Prerequisite: Administrator Approval. Independent study will only be granted for courses that are currently part of the curriculum. See your counselor for application and approval. A student cannot take a course required for graduation as independent study. Requires Administrator Approval.

SA	Saginaw Arts and Science Academy (SASA)	9-12	Elective	3.0
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Prerequisite: SASA Approval and Administrator approval. Students at Heritage High School have the opportunity to attend the Saginaw Arts and Sciences Academy (SASA), a visual and performing arts school. Students have the opportunity to spend a half day (afternoon) in an area of concentration at SASA and the remainder of their day in core academic and elective classes at Heritage High School. SASA offers opportunities in the following areas of concentration: mathematics/science, language arts, global studies, visual arts, theatre, voice/keyboard or dance. Students interested in applying to SASA must submit a complete application to SASA, take a quantitative and verbal reasoning test, and complete a writing exercise. Depending on the applicant’s proposed program, additional testing, an audition, portfolio, interview or writing sample may be required.

SC	Saginaw Career Complex (SCC)	11-12	Elective	4.0
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Students in 11th and 12th grade, throughout Saginaw County, have the opportunity to attend classes at the Saginaw Career Complex (SCC) for Career and Technical Education programs. Students who attend SCC experience real world, hands-on training for half of their school day while attending Heritage for the other half.

Students who pass their class at SCC will earn 2 high school credits per semester for a total of 4 credits each year. The type of credit earned (elective vs. core class credit) varies by program and the year that students are enrolled. Students should consult with their counselor for more detailed information on what each program offers.

To attend SCC, students must be in 11th or 12th grade and be on track for graduation or have worked with their counselor on a plan to get on track.

STCS does provide transportation by bus for the mid-day transfer. If students are eligible for district transportation, they may also be eligible to be transported to/from home and SCC if needed.

For a full list of programs at SCC and their descriptions, please refer to: www.spsd.net/scc
Applications are due to the counseling office by the end of February.

091	Work Based Learning (SE)	11-12	VPAA
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Prerequisite: Teacher Signature. The Saginaw Intermediate School Districts offers a Work Based Learning program, operating out of the Transitions Center to students in the 12 districts in Saginaw County. This education based program is for area special education juniors and seniors with active Individualized Education Plans (IEP) who meet the Work Based Learning eligibility requirements and provides a link between "Learning" and "Earning". Students gain knowledge of the work world by; participating in work sites and developing job seeking skills, in order to reach their potential.

243	Work Based Learning (Co-op)	9-12	VPAA	.5
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Students desiring gainful experience in their career pathway are aided in finding employment in various companies within the community. Work-Based Learning (Co-operative/Co-op) students attend school part of the day and receive credit for their employment when they are released from school for one class period to go to work. This experience is **recommended for 12th grade students**, but special considerations are made for some students in grades 9 to 11. For consideration, a completed application must be submitted to the Work-Based Learning coordinator. Current enrollment in a class related to the work experience is required. Students must adhere to the school's attendance policies, and fulfill the Work-Based Learning requirements of the State of Michigan.

244	Work Based Learning (Co-op)	9-12	VPAA	1.0
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Students desiring gainful experience in their career pathway are aided in finding employment in various companies within the community. Work-Based Learning (Co-operative/Co-op) students attend school part of the day and receive credit for their employment when they are released from school for two class periods to go to work. This experience is **recommended for 12th grade students**, but special considerations are made for some students in grades 9 to 11. For consideration, a completed application must be submitted to the Work-Based Learning coordinator. Current enrollment in a class related to the work experience is required. Students must adhere to the company and school's attendance policies, and fulfill the Work-Based Learning requirements of the State of Michigan.

245	Work Based Learning (Co-op)	9-12	VPAA	1.5
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Students desiring gainful experience in their career pathway are aided in finding employment in various companies within the community. Work-Based Learning (Co-operative/Co-op) students attend school part of the day and receive credit for their employment when they are released from school for three class periods to go to work. This experience is **recommended for 12th grade students**, but special considerations are made for some students in grades 9 to 11. For consideration, a completed application must be submitted to the Work-Based Learning coordinator. Current enrollment in a class related to the work experience is required. Students must adhere to the company and school's attendance policies, and fulfill the Work-Based Learning requirements of the State of Michigan.

Click below to view the Work Based Learning Video

[Work Based Learning Video](#)

Inquiries regarding nondiscrimination policies should be directed to:

**Tony Skowronski
Director of Human Resources
Saginaw Township Community Schools
3465 N. Center Road
Saginaw, MI 48603
989-797-1800**

HERITAGE HIGH SCHOOL

