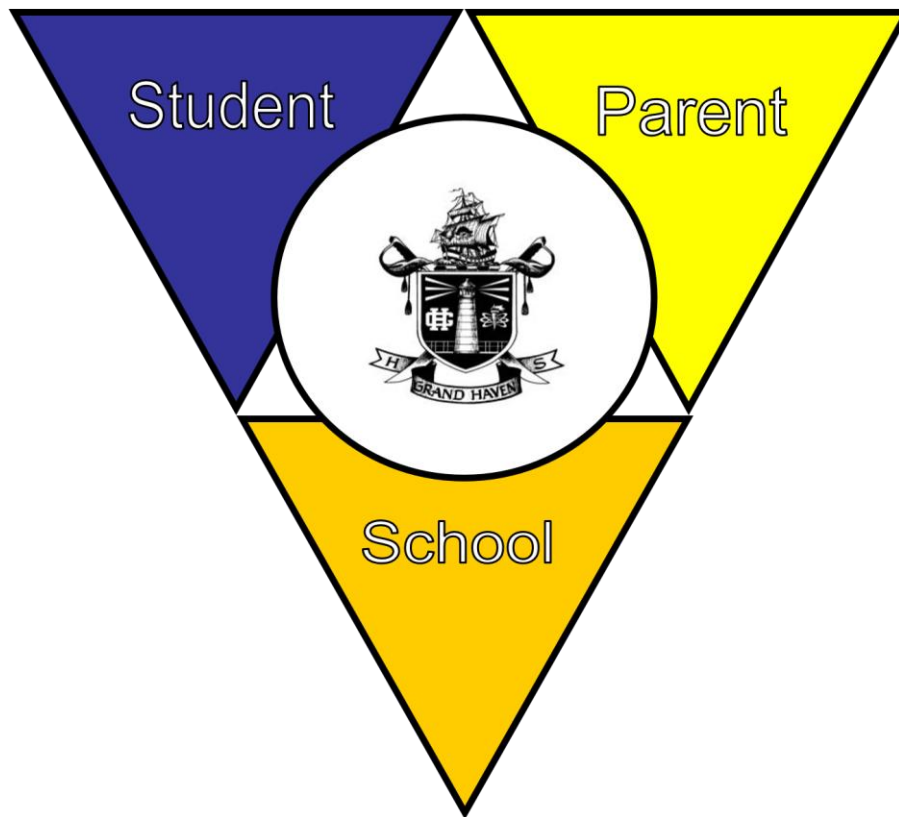


Committed to Excellence . . .  
Together We Can.



## Grand Haven High School Course Description Guide 2016-2017

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17001 Ferris, Grand Haven, MI 49417

<http://ghhs.ghaps.org/>

Office Phone Numbers

Main Office 850.6000

Student Services 850.6020

Attendance 850.6050

Athletic Office 850.6030

Grand Haven Area Public Schools do not discriminate on the basis of race, color, religion, sex, national origin, age, height, weight, marital status, handicap, disability, or limited English proficiency in any of its programs or activities. The following office is designated to handle inquiries regarding the nondiscrimination policies:

Assistant Superintendent of Human Services

Grand Haven Area Public Schools, 1415 Beechtree Street, Grand Haven, MI 49417 616.850.5085

MISSION STATEMENT

**The Mission of the High School staff is to ensure that all students have equal opportunity to achieve success. This will encompass the development of the whole person, preparation for post-secondary options in an ever-changing world, and learning how to learn, make decisions, and work with others. This will be achieved in an environment of high staff and student expectations, mutual respect and self-esteem, with the on-going involvement of educators, parents, students, and the community. TOGETHER WE CAN!**

Dear Students,

Grand Haven High School course offerings, graduation requirements, college and post high school considerations, career pathways, course descriptions, and prerequisite information are all included in this guide. We hope you find this guide useful as it contains all of the information required for you to plan and select courses that will best complement your talents and interests. Please take the time to study this information prior to making your final course selections, and feel free to contact school staff to assist with developing a four-year plan that builds upon experiences, and promotes continuous progress towards your long-range goals, state requirements, and career pathways. It is important to understand that your class schedule is determined based on your original requests, as well as seat availability. Changing classes in the fall is extremely difficult to do and there is no guarantee that it will even be possible. Our master schedule is developed based on your course selections; therefore, be sure to carefully select your courses and expect that a change is not going to happen!

We are extremely proud of our students, staff, and curriculum in this wonderful school, yet we choose not to remain satisfied; we continuously challenge our students and staff. We are committed to making every effort to help you select a program that will best meet your educational goals and objectives. I strongly encourage you to speak with your parents in order to select the best possible schedule for next year. Please take the time to read and research the outstanding variety of courses offered at GHHS. The decisions you make now will have long lasting implications for your future.

Good luck as you begin planning your courses for next year and remember that if you have any questions or need help, feel free to contact a counselor or any other building staff member. We look forward to another fantastic year at Grand Haven High School!

Sincerely,



Tracy L.N. Wilson, Principal

<b>HIGH SCHOOL ADMINISTRATION</b>		<b>HIGH SCHOOL COUNSELORS</b>	
<b>PRINCIPAL</b>		Doug Klemm	A-D
Tracy L.N. Wilson		Steve Evink	E-K
<b>ASSISTANT PRINCIPALS</b>		Kim Kowalski	L-R
Michael C. Roberson		Keith Williams	S-Z
Travis T. Spaman			
<b>ATHLETIC DIRECTOR</b>		<b>REGISTRAR</b>	
W. Scott Robertson		Karrie Francis	
<b>ASSISTANT ATHLETIC</b>	<b>DIRECTOR</b>		
Ron Allen			

## GRAND HAVEN HIGH SCHOOL BELIEFS

1. We believe that each student can learn and be successful.
2. We believe that parents, staff, and students share accountability for student success in school.
3. We believe in the value of the development of the intellectual, artistic, social and physical qualities of the whole person.
4. We believe that high performance results from high expectations of all staff and students.
5. We believe in mutual respect and self-esteem of students and staff.
6. We believe that we have an obligation to prepare students for post-secondary options in an ever-changing global community.
7. We believe that excellence in education is derived from an on-going involvement and dialogue among educators, parents, students and community.
8. We believe that learning takes place in a safe, orderly environment.
9. We believe that students must know how to learn, how to make decisions, and how to work with others.

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## REQUIREMENTS FOR GRADUATION

Credit is granted for each semester of successfully completed course work. A diploma will not be issued to a student who has not been in attendance at Grand Haven High School for at least one semester of their senior year or earned less than two credits, including one credit of math. The high school, working closely with each student and his/her parent or guardian, will plan a program appropriate to the student's educational needs and interests. Students who have completed all requirements for graduation from Grand Haven Area Public Schools may be issued a diploma. Students shall have been in attendance in grades 9-12 for eight (8) semesters, or the equivalent, by the time of graduation. During each of the eight (8) semesters, students will be enrolled in a minimum of six (6) classes. Those students wishing to graduate early must have approval from the principal. Students interested in this option need to see their counselor.

*Per Board of Education Policy #5460 Graduation Requirements - Students must complete the entire Michigan Merit Exam, which consists of a College Entrance exam, Career Readiness test, and Michigan wrap-around tests (currently SAT, WorkKeys, M-STEP), or an approved and appropriate alternate assessment, in order to graduate.*

### Graduation Requirements

### Sequence of Course

### Credit

#### **English/Language Arts – 4 credits required**

9 <sup>th</sup> Grade	English 9 (BE1)	1 Credit
10 <sup>th</sup> Grade	English 10 (BAL)	1 Credit
11 <sup>th</sup> Grade	English 11 (B11)	1 Credit
12 <sup>th</sup> Grade	AP Literature OR Elective	1 Credit

#### **B Social Studies – 3 credits required**

9 <sup>th</sup> Grade	World History with Geography (CH0)	1 Credit
10 <sup>th</sup> Grade	US History with Geography (CH1)	1 Credit
11 <sup>th</sup> Grade	Civics/US Government (CH3)	½ Credit
11 <sup>th</sup> Grade	Economics (CH4)	½ Credit

#### **C Science – 3 credits required**

9 <sup>th</sup> Grade	Earth Science or Honors Earth Science (DSE)	1 Credit
10 <sup>th</sup> Grade	Biology or Honors Biology (DSB)	1 Credit
11 <sup>th</sup> Grade	Chemistry or Honors Chemistry or Physics or Honors Physics (DSC)	1 Credit

#### **D Mathematics – 4 credits required**

	Algebra 1 (EM1)	1 Credit
	Geometry (EM2)	1 Credit
	Algebra II (EM3)	1 Credit
	Additional Math credit (SME) must be in final year	1 Credit

#### **E World Language**

Class of 2017 & Beyond		2 Credits
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#### **M Physical Ed/Health – 1 credit required**

<b>Class of 2017</b>	Course must include content on both Health and Phys. Ed. This requirement may be replaced by an additional English/Lang. Arts, World Lang., Math or Science course.	1.0 PE Credit
<b>Class of 2018 and Beyond</b>		.5 PE Credit/.5 Health Credit

#### **Visual/Performing or Applied Art – 1 credit required**

	Credit may be earned in any one category of arts. This requirement may be replaced by an additional English/Lang. Arts, World Lang., Math, or Science course. (VPA)	1 Credit
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#### **On-Line Learning Experience**

Credit may be an on-line course, on-line learning experience or integrated on-line learning. This requirement may be replaced by an additional English/Lang. Arts, World Lang., Math, or Science course

#### **Electives**

<b>Class of 2017</b>	(XEL)	Total XEL 5.0 Credits
<b>Class of 2018 and beyond</b>	(XEL)	Total XEL 4.0 Credits

**Total Credits Required to Graduate: Class of 2017 = 23.0 Credits**

**Class of 2018 and beyond = 22.0 Credits**

2016-2017

## Grand Haven High School Course Offerings

(Courses, and multiple sections of courses, are offered if sufficient student enrollment is obtained.)

Some courses may be offered on a rotating basis.

Those courses are indicated with "Offered Odd or Even Years Only" 2016-2017 School Year is an EVEN school year.

# = Teacher Approval required
+ = Departmental Approval required
* = Placement Test required

### **B**      **LANGUAGE ARTS**

B29 A-B English 9  
B32 Public Speaking/Communications I  
B34 Genres of Literature (*Offered Odd Years Only*)  
B35 A Passion for Poetry (*Offered Odd Years Only*)  
B37 Contemporary Literature  
B41 A-B Reading Workshop I #  
B43 A-B Reading Workshop II #  
B46 Independent Reading  
B49 Folklore and Mythology  
B53 A-B English 10  
B55 A-B Honors English 10  
B56 A-B English 11  
B60 Humanities Literature  
B62 Drama  
B63 Drama II  
B67 Film Analysis  
B68 Media Production #  
B72 Journalism I  
B75 Journalism II  
B79 Bucs' Blade A & B  
B82 Creative Writing I  
B83 Creative Writing II  
B88 College English  
B89 Exploring Shakespeare  
B92 A-B AP English Language & Comp.  
B94 A-B AP English Literature & Comp.  
B95 A-B Yearbook Journalism # - Application Required

### **C**      **SOCIAL STUDIES**

C20 Law  
C21 Sociology  
C23 Philosophy (*Offered Even Years Only*)  
C30 A-B World History  
C40 World History in Film  
C42 A-B U.S. History  
C44 Michigan History (*Offered Odd Years Only*)  
C45 Diversity in America (*Offered Odd Years Only*)  
C46 A-B AP U.S. History  
C48 A-B AP European History  
C50 A-B AP World History  
C66 Current Affairs  
C74 Introduction to Psychology

C78 A-B AP Psychology  
C84 World Religions (*Offered Odd Years Only*)  
C86 Economics  
C87 Pay It Forward # - Application Required  
C88 U.S. Government  
C880 Zero Hour U.S. Government  
C89 A&B AP U.S. Government & Politics  
C90 American Democracy in Film & Literature (*Offered Even Years Only*)  
C92 American Popular Culture (*Offered Odd Years Only*)  
C94 Sports in the 20th Century (*Offered Even Years Only*)  
C96 Model U.N. and World Issues (*Offered Even Years Only*)

## **D**                    **SCIENCE**

D24 A-B Earth Science  
D25 A-B Honors Earth Science +  
D26 A-B Geology  
D28 A-B AP Environmental Science  
D29 Project Science  
D30 Health Care Career Exploration (*Offered Odd Years Only*)  
D34 A-B Biology  
D41 A-B Honors Biology +  
D42 Greenhouse Biology  
D43 Wildlife Biology  
D46 Astronomy  
D48 A-B AP Biology  
D49 A-B Anatomy & Physiology  
D51 A-B Chemistry  
D55 A-B Honors Chemistry  
D57 A-B AP Chemistry  
D62 A-B Physics  
D68 A-C AP Physics (calculus based)  
D66 A-B Honors Physics (*Offered Odd Years Only*)  
D67 Physical Applications: Electricity & Electronics

## **E MATHEMATICS**

E15 Algebra Enrichment #  
E20 A-B Algebra I  
E30 A-B Geometry  
E34 Math of Games  
E35 Personal Finance & Investing  
E36 Personal Finance & Investing II  
E37 Data Analysis  
E38 Visual Math (*Offered Odd Years Only*)  
E40 A-B Honors Algebra II  
E45 A-B Algebra II  
E50 A-B Pre-Calculus  
E53 Trigonometry  
E56 Statistics  
E57 Sports Statistics (*Offered Even Years Only*)  
E60 A-B AP Statistics  
E70 A-B AP Calculus AB  
E80 A-B AP Calculus BC

## **F**      **WORLD LANGUAGES**

F62 A-B French IV  
F72 A-B French V  
F34 A-B German I  
F44 A-B German II  
F54 A-B German III  
F64 A-B German IV  
F74 A-B German V  
F36 A-B Spanish I  
F46 A-B Spanish II  
F56 A-B Spanish III  
F66 A-B Spanish IV  
F76 A-B Spanish V  
ESL-DS English as a Second Language – Directed Study

## **G & I** **BUSINESS/COMPUTER/TECHNOLOGY EDUCATION/VOC ED**

E84 Computer Programming  
G33 Computer Applications  
G34 Advanced Computer Applications  
G35 Webpage Design  
G36 Advanced Webpage Design  
G54 A-B Marketing & Sales  
G56 A-B Entrepreneurship/Buc Stop Operations  
G84 A-B Accounting I  
G85 ICreate360  
G86 Accounting II  
G88 Business Math  
I30 Intro to Engineering Design A&B  
I32 Engineering Design & Development A&B  
I40 Architectural Design A&B  
V98 A-B Work-Based Learning (Co-op or Internship)

## **J**      **MUSIC**

J42 Beginning Guitar  
J44 A-B Wind Ensemble  
J46 A-B Symphonic Band  
J48 Color Guard  
J50 A-B Concert Band  
J52 A-B Jazz Ensemble  
J54 A-B Concert Orchestra  
J55 A-B Symphony Orchestra  
J56 A-B Chamber Orchestra  
J62 A-B Freshmen Chorale  
J66 A-B Women's Chorus  
J68 A-B Chamber Choir  
J70 A-B Choral Ensemble  
J72 A-B Advanced Woman's Ensemble

## **L**      **ART**

L44	Art and Design
L54	Drawing I
L56	Drawing II
L64	Jewelry I
L65	Jewelry II
L66	Ceramics I
L67	Functional Ceramics
L68	Sculptural Ceramics
L77	Painting I
L78	Painting II
L88	Commercial Art
L93	Digital Photography
L99	Advanced Art # ( <i>Offered Odd Years Only</i> )

## **M**      **PHYSICAL EDUCATION**

M38	Women's Fitness
M41	Trail Running
M42	Triathlon Training
M43	Introductory Physical Education
M46	Team Sports
M48	Intro to Weight Training for Boys/Girls
M53	Zero Hour Weight Fitness
M55	Fitness Training
M58	Yoga/Cardio Conditioning and Introduction to Physical Education
M66	Weight Fitness III-Boys #
M68	Advanced Weight Training #
M68/BBL	Advanced Weight Training Online Blended Learning #
M70	Advanced Weight Fitness II-Boys #
M72	Advanced Weight Fitness III-Boys #
M75	Advanced functional Conditioning & Training
M80	Outdoor Education
M81	Outdoor Education – Snow Pros
M95	Health

## **N**      **MISCELLANEOUS**

N52	Teaching Assistant
N53	Links
N58	Library Media Assistant
N80	Teen Leadership

## **S**      **SPECIAL EDUCATION**

S20 A-B	MERIT ELA 9/10
S21 A-B	MERIT Basic Math 9/10 A & B



S22 MERIT English Language Arts 11/12 A & B  
 S23 MERIT Basic Math 11/12 A & B  
 S24 MERIT Community Focus  
 S25 MERIT SOCIAL SKILLS AB  
 S26 MERIT Michigan History  
 S27 MERIT US History A & B  
 S28 MERIT Economics  
 S29 MERIT Government  
 S30 LCCE Health  
 S31 LCCE English Language Arts A & B  
 S32 LCCE social Studies-Geography  
 S34 LCCE Science  
 S35 LCCE Math A & B  
 S38 Resource Pre Vocational Education  
 S39 CBT Enclave A & B  
 S50 Resource Work Experience  
 S51 Resource Community site Based Vocational Training  
 S40 Resource ACT Prep  
 S41 Resource Language Arts 9 A & B  
 S42 Resource Language Arts 10 A & B  
 S43 Resource Language Arts 11 A & B  
 S44 Resource Algebra I A & B  
 S46 Resource Math Geometry A & B  
 S56A Resource Algebra II A & B  
 S45 Resource Consumer Math  
 S48 Resource World Studies  
 S52 Resource Room Transition Planning  
 S49 Resource Directed Studies ASD  
 S54 Resource Directed Study  
 S60 Categorical Language Arts EI A & B  
 S61 Categorical Math EI A & B  
 S64 Categorical Directed Studies EI  
 S70 Categorical Language Arts ASD A & B  
 S71 Categorical Math ASD A & B  
 S74 Categorical Directed Study ASD  
 S75 Categorical Independent Living A & B  
 S69 Targeted Instruction  
 S89 Adaptive Physical Education  
 S90 Adaptive Exploratory Arts

**V**     **CAREERLINE TECH CENTER** - V99 See your counselor

## **PHILOSOPHY AND OBJECTIVES OF GHHS**

***Team GH ... One Family, One Team, One Grand Haven***

It is our expectation that ALL GHHS students, staff and parents will. . .  
always give their best **EFFORT** in everything they do; work hard to  
be **INCLUSIVE** of each other;  
show **RESPONSIBILITY** in the classroom, hallways, cafeteria and at events; and  
**WORK TOGETHER** at all times!!  
***Be Kind ALWAYS!***

## **Philosophy**

Preamble: This is a reflection of present practice and of future direction.

The school's responsibility is to ensure both the student and society that graduates are educated people. This means that graduating seniors should: 1. be able to read and write at least on a level which will allow them to function successfully as adults; 2. be able to make basic mathematical computations; 3. have a wide exposure to many fields of knowledge including natural science, social science, fine arts, language arts, and vocational arts; 4. be physically fit and exposed to activities that will encourage fitness throughout life; and 5. be prepared to participate in the democratic process. This high school should help prepare students to continue lifelong education, to cope with the social environment, to encourage personal growth, to meet career responsibilities, and to become concerned citizens.

Each student should be provided the challenge and the opportunity to realize his/her potential. To encourage this, our guidelines and standards recognize students as individuals. We further recognize student rights and responsibilities as stated in the student handbook. We endorse consistency in applying penalties for violation of the student code of conduct.

As a result of attending this high school, it is hoped that students will have experienced personal growth, and gained a sense of confidence, and security. Students should be prepared for, and have a sense of control over their lives by having a knowledge of the past, the present, and the future.

## **Objectives**

The school philosophy reflects a basic attitude concerning what education should be and suggests a direction for individual teachers to formulate specific objectives. The following are general objectives which re-emphasize basic school goals.

Grand Haven High School will:

- Provide a wide range of classes to encourage a well-rounded education and an opportunity for students to meet their individual needs.
- Provide a variety of classes with academic challenge to prepare potential candidates for college.
- Provide a variety of vocational courses to develop employment skills.
- Provide necessary materials and physical facilities for an effective program.
- Promote the students' understanding of our democratic institutions and encourage participation in the democratic process.
- Encourage each student to feel free to express his/her own ideas while working with others.
- Provide guidance to help students utilize the services and opportunities offered by the high school.
- Provide an environment, which encourages and teaches self-discipline and responsible decision-making.
- Provide for continuous curriculum evaluation and development to ensure excellence in education.
- Encourage students to make a commitment to lifelong education.

## **GUIDELINES and OPPORTUNITIES**

**All students must take carry a minimum of six (6) classes each semester.** Extenuating circumstances would need to be approved by the principal.

**ADVANCED PLACEMENT** - The Advanced Placement (AP) Program is a cooperative educational endeavor of secondary schools, colleges, and the College Board. High school students that take AP exams may earn college credit, appropriate placement, or both, for satisfactory performance on AP exams depending on which college or university the student will attend. AP courses are intended to be the equivalent of a college-level freshman course. It is expected that students taking an AP course understand that these courses are far more demanding and rigorous than a regular high school course. AP course grades will be weighted on a 5.0 GPA scale. AP courses taken through an Independent Study class are weighted on a 4.0 GPA scale.

**CORRESPONDENCE CLASSES** - These classes are available to students who need to make up credit for failed classes. Students pay for these classes and may take up to two (2) correspondence classes per semester.

**INDEPENDENT STUDY COURSES** - Limit to one independent study per semester in an elective area. This option is available to juniors and seniors only. Deviations to this policy must have approval from the high school principal. Students taking an Independent Study will not be issued a letter grade, only a Credit (CR) or No Credit (NC) will be issued and placed on their transcript.

**DUAL ENROLLMENT** - Is an opportunity available to eligible high school students. To be eligible in an area tested by the MME or a college readiness assessment (i.e., EXPLORE or PLAN), the student must achieve a qualifying score as defined by the Michigan Department of Education College and Career Readiness Benchmark scores. To be eligible in a non-tested area, the student must gain prior approval from the high school principal and be able to identify why this would be in the students best interest. Interested student should schedule an appointment with their counselor to see if they qualify for this opportunity.

**EARLY COLLEGE** - In cooperation with Muskegon Community College and the Ottawa Area Intermediate School District, Grand Haven High School will begin the Early College of Northwest Ottawa County. This opportunity will begin in the fall of a student's junior year and there is an extensive application process. This is a five-year high school program, which allows for the earning of a High School Diploma in conjunction with an Associate's Degree. Interested students should schedule an appointment with their counselor to see if they qualify for this program, applications are due each year in early March.

**HOME SCHOOLING** - Grand Haven High School neither recommends nor keeps information on Home School Institutions. All Home School educated high school students transferring into GHHS must submit a typed transcript on the GHHS Home School Student Transcript form or official transcript from the home school. This form is available with the registration packet. Only transcribed Home School courses submitted within **two weeks** of registration will be accepted. Additionally, students may need to take a competency exam in the Core Curricular areas in order to be properly placed into a class.

**ON-LINE CLASSES** - Are available to students at GHHS. There is a tuition cost to the students wishing to take this as an **extra** class, a full-time student is required to take six (6) classes per day. As part of the 21f legislative opportunity, students may take up to two (2) on-line courses each semester with no tuition cost through Michigan's Online Course Catalog. Students choosing an addition course with a tuition fee, may select courses through Michigan's Online Course Catalog, Brigham Young University or other approved programs. Students must make an appointment with their counselor to discuss these options. Deadline to apply is **Friday, August 26, 2016 for 1<sup>st</sup> Semester and Friday, January 6, 2017 for 2<sup>nd</sup> Semester.**

**PASS-FAIL** - With parent and teacher approval, students may choose to take one elective course on a pass-fail basis each semester. The student will have the choice by the end of the second week of the first semester of either completing the course on a normal grade (A-F) basis or on pass-fail (P-F) basis. A passing grade would earn credit toward graduation and would not impact the student's grade point average. Please see your counselor if you have any questions and/or concerns regarding taking a class on a pass-fail basis.

**CREDIT RECOVERY** – When a student needs to re-take a failed course, there are two options: 1) To sit in the GHHS course again and earn the letter grade on the student's transcript; 2) Take the same course through an on-line source, where only the credit will be earned, and a CR will be placed on the student's transcript. If a student retakes a failed course at GHHS, then a No Grade (NG) will be placed on the transcript instead of the F, and will not affect the student's

GPA. If a student retakes a failed course through an on-line source, the F will remain on the transcript and factor into the student's GPA.

**SCHEDULE CHANGE** – Are strongly discouraged and are very difficult to accommodate. Requests for changes must be submitted in writing on the Schedule Change Request Form available in the Student Services Center. All schedule change requests must be completed before the start of the semester.

**TESTING OUT** - Public Act 335, Section 1279B & Section 127B (a) (4) (c) of the State Code, requires that any high school student be offered a “test out” of any course offered by his/her high school.

Grand Haven High School students opting to test out of a course will receive a ‘TO’ on their transcript if they receive a C+ (77%) or higher grade on the test out exam. Credit will be given towards graduation; this option allows students to advance in the curriculum and may satisfy a graduation requirement. The test out exam grade is not figured into a student's grade point average.

All applicants requesting a Test Out must submit a completed form to the main office by the posted deadline. If you have questions, contact Mr. Roberson. Registration forms are available in the main office. Students are required to pay a \$20.00 application fee for each test. **This fee is non-refundable to students who do not take the test(s) for which they have registered.** This Test Out opportunity will occur two times per year during each of the semester exam periods.

**EARLY GRADUATION** – Early Graduation applications must be filled out with a counselor. Early Graduation applications are due by the end of the first week of June of a student's junior year.

### **ASSESSMENTS**

An intricate tool that is used to help students, parents, and teachers understand the talents, strengths, and interests of students. The assessments used at Grand Haven High School include:

PSAT (Pre SAT / National Merit Scholarship Qualifying Test) – 9<sup>th</sup> grade, 10<sup>th</sup> grade, 11<sup>th</sup> grade

SAT (Scholastic Achievement Test) – 11<sup>th</sup> grade

ACT (American College Test)

Work Keys – 11<sup>th</sup> grade

M-STEP (Michigan Student Test of Educational Progress) - 11<sup>th</sup> grade

ASVAB (Armed Services Vocational Aptitude Battery) - 12<sup>th</sup> grade - individual requests only

**\*To receive a GHHS diploma, all students are required to take the Michigan Merit Exam, which consists of the SAT, Work Keys and M-STEP. This exam is administered in the 11<sup>th</sup> grade.**

### **High School Internet Communications**

**ParentVue/StudentVue** - are programs that allows parents and students to review student's grades, class assignments, and attendance through the Internet. From any computer with Internet access, students or parents select the appropriate school, then enter the Users name and Password to review class information. Specific instructions are available on the District website at [www.ghaps.org](http://www.ghaps.org). For help getting your account activated, call Student Services at 850-6020.

**On-Line Electronic EDP** - This Internet program is available to 7<sup>th</sup> through 12<sup>th</sup> grade students and their parents. The electronic EDP (4 year educational plan) allows the student to select courses for all four years of high school, submit assessment results, and complete an interest inventory. Based on interest, academics and activities, various career options will be suggested. This tool will be available on-line 24 hours a day. Throughout high school, students and parents are encouraged to periodically review all information. This is an important step in the registration process. This site will be available on the District's website at [www.ghaps.org](http://www.ghaps.org). Click on-line EDP under Quick Links. ID numbers and PINs are available from either GHHS Student Services or the GHAPS Technology Department.

### **College Considerations**

All colleges do not have the same academic entrance requirements. The responsibility for meeting these requirements rests with the student and parents. Our guidance counselors are available to assist you in the college application process. Michigan's state universities have agreed upon the following criteria for eligibility to regular admission four-year degree programs. Please realize that other colleges may have more demanding admission criteria.

English – Four (4) years required

Mathematics- Four (4) years required

Biological/Physical Sciences Three (3) years required to include one (1) year Biological science and one (1) year of physical science. At least one (1) year of a laboratory course is also strongly recommended.

History and Social Studies – Three (3) years required; one (1) year of American History and (1) year of World History strongly recommended.

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

World Languages – Three (3) years strongly recommended

Fine and Performing Arts – Two (2) years strongly recommended

Computer Literacy – One (1) year of hands-on experience in using computers strongly recommended

### **NCAA ELIGIBILITY RULES**

All students must register with the NCAA Eligibility Center.

NCAA Division I – Students planning to attend an NCAA Division I institution is required to successfully complete 16 core courses to be eligible to practice, play and receive financial aid at a Division I (only) school.

NCAA Division II - Students planning to attend an NCAA Division II institution will be required to successfully complete 16 core courses.

#### **ELIGIBILITY RULE - DIVISION I**

16 Core Courses

4 years of English

3 years of mathematics (Algebra I or higher)

2 years of natural/physical science (1 year of lab if offered by high school) 1

year of additional English, mathematics or natural/physical science

2 years of social science

4 years of additional courses (from any area listed above, world language, or comparative religion/philosophy)

#### **ELIGIBILITY RULE - DIVISION II**

16 Core Courses

3 years of English

2 years of mathematics (Algebra I or higher).

2 years of natural/physical science (1 year of lab if offered by high school) 3

years of additional English, mathematics or natural/physical science

2 years of social science

4 years of additional courses (from any area listed above, world language or comparative religion/philosophy).

Students who were home schooled for any part of high school (grades 9 through 12) must now register with the NCAA Eligibility Center. Please see your counselor.

Prospective student-athletes may register with the NCAA Eligibility Center on-line at [www.eligibilitycenter.org](http://www.eligibilitycenter.org). If you have questions about NCAA Eligibility, please call the NCAA Eligibility Center Toll Free at 1- 877-262-1492, or see your counselor. **Students are encouraged to contact their counselor with eligibility questions.**

**GRADE-POINT AVERAGE/TEST-SCORE SLIDING SCALE - DIVISION 1**

**Core GPA      SAT      ACT**

3.550 & Above	400	37	
3.525	410	38	
420	39	3.475	430
40	3.450	440	41
3.425	450	41	3.400
460	42	3.375	470
42	3.350	480	43
3.325	490	44	3.300
500	44	3.275	510
45	3.250	520	46
3.225	530	46	3.200
540	47	3.175	550
47	3.150	560	48
3.125	570	49	3.100
580	49	3.075	590
50	3.050	600	50
3.025	610	51	3.000
620	52	2.975	630
52	2.950	640	53
2.925	650	53	2.900
660	54	2.875	670
55	2.850	680	56
2.825	690	56	
2.800	700	57	

**Grand Haven High School - A Career Pathways High School**

**Helping Grand Haven students map out successful careers**

**The Six Pathways are:** 1 - Arts & Communication, 2 - Business, Management & Technology, 3 - Health Sciences, 4 - Human Services, 5 - Manufacturing Technology & Engineering, 6 - Natural Resources & Agriscience.

## **1 Arts & Communications**

**Are you a creative thinker? Are you imaginative, innovative, and original? Do you like to communicate ideas? Arts & Communications may be the career path for you!**

Express yourself through careers related to humanities and the performing, visual, literary and media arts. Sample careers include artists, journalists and graphic designers. These careers are interesting to people who value creativity and seek opportunities to express themselves.

## **2 Business Management & Technology**

**Do you enjoy being a leader, organizing people, planning activities, and talking? Do you like to work with numbers or ideas? Do you enjoy carrying through with an idea and seeing the end product? Do you like things neat and orderly? This may be the career path for you!**

Business related careers include accounting, business administration, finance, information processing, and marketing. Sample careers include accountants, business managers and auto salespersons. These careers are interesting to people who are good in math, feel comfortable using computer programs, and enjoy being the leader of a group.

## **3 Health Sciences**

**Do you like to care for people or animals who are sick or help them stay well? Are you interested in diseases and in how the body works? Health Sciences may be the career path for you?**

You can help others through careers related to the promotion of health as well as the treatment of injuries and disease. Sample careers include physicians, nursing, and veterinarians. These careers are interesting to people who like to know how the body works and care about the wellbeing of people and animals.

## **4 Human Services**

**Are you friendly, open, outgoing, understanding, and cooperative? Do you like to work with people to solve problems? Is it important to you to do something that makes things better for others? Human Services may be the career path for you!**

Human Service careers are related to childcare, civil service, education, hospitality and the social services. Sample careers include counselors, teachers, law enforcement officers, & religious leaders. These careers are interesting to people who enjoy interacting with people and helping them solve their problems.

## **5 Manufacturing Technology & Engineering**

**Are you mechanically inclined and practical? Do you like reading diagrams and blueprints, and drawing building structures? Are you curious how things work? This may be the career path for you!**

Manufacturing Technology & Engineering careers provide opportunities to design, develop, install or maintain physical systems. Sample careers include mechanics, airplane pilots and engineers. These careers are interesting to people who enjoy working with tools, equipment and other kinds of machinery.

## **6 Natural Resources and Agriscience**

**Are you a nature lover? Are you practical, curious about the physical world, and interested in plants and animals? Do you like to be physically active? This may be the career path for you?**

These are careers related to natural resources, agriculture, and the environment. Sample careers include fish and game wardens, marine biologists, and farmers. These careers are interesting to people who enjoy working outdoors and are interested in nature and animals.

**More information about career pathways is available upon request.**

<b>B LANGUAGE ARTS</b>
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Requirements for graduation: **4 credits required**

9 <sup>th</sup> Grade	1.0 - 9 <sup>th</sup> Grade English
10 <sup>th</sup> Grade	1.0 - 10 <sup>th</sup> Grade English or Honors 10 <sup>th</sup> Grade English
11 <sup>th</sup> Grade	1.0 - 11 <sup>th</sup> Grade English, English or AP Lang/AP Lit.
12 <sup>th</sup> Grade	1.0 – Electives – AP Lit, AP Lang, College English

**B29A English 9A**

**1/2 credit**

One semester, Basic level of difficulty      Open to: 9<sup>th</sup> only

The focus of this course is writing and literature. Writing is taught as a process through the writer's notebook, incorporating proper grammar usage and vocabulary development. Students can expect to read short fiction and William Shakespeare's Romeo and Juliet. They will develop MLA research skills, write various types of essays, and hone their presentation skills. Students are encouraged to practice effective study skills, including note taking, outlining, active listening, and organization. Homework is required.

**Graduation Requirement Code BE1**

**\*Meets graduation requirement for 9<sup>th</sup> graders**

**\*NCAA Approved Course**

**B29B English 9B**

**1/2 credit**

One semester, Basic level of difficulty

Open to: 9<sup>th</sup> only

The focus of this course is writing and literature. Writing is taught as a process through the writer's notebook, incorporating proper grammar usage, and vocabulary development. Students can expect to read The Odyssey, short fiction, and complete an independent novel study. They will develop MLA research skills, write various types of essays, and hone their presentation skills. Students are encouraged to practice effective study skills, including note taking, outlining, active listening, and organization. Homework is required.

**Graduation Requirement Code BE1**

**\*Meets graduation requirement for 9<sup>th</sup> graders**

**\*NCAA Approved Course**

**B32 Public Speaking/Communications I**

**1/2 credit**

One semester, Basic to Advanced level of difficulty

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This basic speech and communications class is designed to do the following: improve the student's ability to express his/her ideas through speaking, improve listening ability, gain skills in organization and outlining, and improve library and research skills. In addition to presenting several types of public speeches, students will also practice other communication skills including: interviewing, electronic communication, group discussion, and communication analysis.

**Graduation Requirement Code BEL/VPA**

**\*NCAA Approved Course**

**B34 Genres of Literature **\*\*Offered Odd Years Only\*\*****

**1/2 credit**

One semester, Intermediate level of difficulty

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>



This course takes students on a whirlwind tour through the various genres of literature. The class will study the elements of numerous genres, such as science fiction, fantasy, horror, murder mystery, action adventure, romance, etc. Students will learn what qualities literature must possess to fall within a particular genre through analysis of short stories and essays. Throughout the semester students will also be asked to read (outside of class) a total of three novels each one from a different genre of study, and analyze how their chosen works fit each genre's criteria. This is a great course for the eclectic reader or anyone looking to expand their reading horizons.

**Graduation Requirement Code BEL**

**B35 A Passion for Poetry \*\*Offered Odd Years Only\*\***

**1/2 credit**

One semester, Intermediate level of difficulty

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This course is for those students who have a burning passion for poetry. Throughout the class students will be studying the various types of poetry and analyzing how the poets wield words and poetic devices to achieve purpose. Student will also be writing numerous poems of their own, focusing on diction and purpose. This course offers an in depth study of the language of poetics for those students who truly love the beauty of the written (and spoken) word. The end product will be the creation of an original poetic anthology.

**Graduation Requirement Code BEL/VPA**

**B37 Contemporary Literature**

**1/2 credit**

One semester, Basic to Intermediate level of difficulty

Open to: 11<sup>th</sup> & 12<sup>th</sup>

This course is designed for the student who enjoys engaged discussion, reflection, collaboration, and critical, close examination of literature. A wide variety of award winning contemporary fiction and nonfiction literature from the past 50 years, including but not limited to topics such as memoir, fantasy, and humor are read, analyzed, and discussed. Students should expect nightly reading assignments and participation in daily discussions. The "book club" format of the course lends itself to dynamic interaction between the literature and class members. This is a fresh alternative and companion to "the classics."

**Graduation Requirement Code BEL**

**\*NCAA Approved Course**

**B41A/B Reading Workshop I**

**1/2 credit**

One Semester Each, Basic level of difficulty

Open to: Recommended

Students Only

This class is designed for students wishing to improve their reading and writing skills. Instruction is focused on bringing each student further in his or her development of skills and encouraging the reading and writing competencies necessary for academic success. Particular emphasis is placed on the mastery of reading comprehension strategies and the traits of good writing. A variety of materials, including newspapers, periodicals, computer software, and short texts will enhance the lessons on reading improvement and support the student in other academic classes. This is a course that meets the English elective requirement. Class participation in all activities is essential for each student in the course. Discretion of teacher to be released for replacement with an elective course after Workshop A.

**Graduation Requirement Code BEL**

**Teacher recommendation required for selected students only.**

**B43A/B Reading Workshop II**

**1/2 credit**

One Semester Each, Basic level of difficulty

Open to: Recommended

This class is a continuation of the workshop I and is especially designed to meet the developing literacy needs of upper classmen. Students will build fluency and comprehension in a variety of texts, with special emphasis on the demands of increasingly difficult textbooks in their other courses. Particular emphasis is placed on the mastery of reading comprehension strategies in informational text. A variety of reading materials will be used. This course meets the English elective requirement for graduation. Discretion of teacher to be released for replacement with an elective course after Workshop II A.

**Graduation Requirement Code BEL**

**Teacher recommendation required for selected students only.**

**B46 Independent Reading**

**1/2 credit**

One semester, Basic to Advanced level of difficulty

Open to: 11<sup>th</sup> & 12<sup>th</sup>

Independent reading provides students with an opportunity to read for enjoyment. Students select their own reading material and can get suggestions from the teacher and the librarian. Fiction and non-fiction books may be read. This course will include a writing component as per teacher discretion. Students selecting this course should plan on reading extensively. This course enhances the reader's ability to use diverse strategies to give reading purpose. Students will be guided to choose their own books and utilize specific strategies including inference, schema, questioning, etc. to improve reading skills and enjoyment of literature. Textbooks are not acceptable reading. **Graduation Requirement Code BEL**

**B49 Folklore and Mythology**

**1/2 credit**

One semester, Intermediate level of difficulty

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This course is an overview of the major myths and folklore of Ancient Greece, Norse, and Celtic mainly through primary sources. There will be a focus on heroic myths, creation, and the role of women in each culture. We will also examine the nature and social function of mythology, modern theories, and the legacy of mythology through art, literature, and popular culture. Students will learn how mythic narrative patterns and symbols function in Western culture. **Graduation Requirement Code BEL**

**B53A English 10A**

**1/2 credit**

One Semester, Basic to Intermediate level of difficulty    Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

English 10A is the first section of a survey course in literature in which students develop skills in close reading and literature interpretation as well as skills in organizing and writing well-constructed narrative, informational, and argument essays. The students will become familiar with common themes in literature such as the individual's role in relation to the government, integrity, and equality. Students will improve thinking and writing skills by analyzing literature through the essays, summary writing, and character analysis, and Writer's Notebooks as well as a study of poetry among others. The course is designed to allow students greater appreciation for literature's role in the world and ourselves and must be passed prior to graduation.

**Graduation Requirement Code BAL**

**Sophomores are required to enroll in this course.**

**\*Meets graduation requirement for 10<sup>th</sup> graders**

**\*NCAA Approved Course**

**B53B English 10B**    **1/2 credit**

One semester, Basic to Intermediate level of difficulty    Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

English 10B is the final section of a survey course in literature in which students continue the process of developing skills in close reading and literature interpretation as well as skills in organizing and writing well-constructed narrative, informational, and argument essays. The research process and poetry will be studied and practiced, as well. The students will become familiar with common themes in American literature such as relationships, and dreams and visions. Students will improve thinking and writing skills by analyzing literature through a variety of writing styles. The course is designed to allow students greater appreciation for literature's role in the world and ourselves and must be passed prior to graduation.

**Graduation Requirement Code BAL**

**Sophomores are required to enroll in this course.**

**\*Meets graduation requirement for 10<sup>th</sup> graders**

**\*NCAA Approved Course**

**B55A Honors English 10 A**

**1/2 credit**

One semester, Advanced level of difficulty    Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Literature is alive and growing and changing with each new generation of writers and readers. Classical American literary canon, from Colonial to the start of the Civil War will illustrate what is meant by a classic and how each work reflects the American ideal. A foundational knowledge essential for success on the standardized tests required for college entrance and Advanced Placement English courses will be taught. Lessons in composition, grammar and usage, vocabulary and disciplined study habits will be covered.

**Graduation Requirement Code BAL**

**This course may be taken in place of English 10 NOT in addition to it.**

**\*Meets graduation requirement for 10<sup>th</sup> graders**

**\*NCAA Approved Course**

**B55B Honors English 10 B**

**1/2 credit**

One semester, Advanced level of difficulty

Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Literature is alive and growing and changing with each new generation of writers and readers. Classical American literary canon, from Reconstruction to the Contemporary Period will illustrate what is meant by a classic and how each work reflects the American ideal. A foundational knowledge essential for success on the standardized tests required for college entrance and Advanced Placement English courses will be taught. Lessons in composition, grammar and usage, vocabulary and disciplined study habits will be covered. Due to the fact most students selecting this course will take the Advanced Placement English courses, admittance to this class will be granted after taking Honors English 10A.

**Graduation Requirement Code BAL**

**This course may be taken in place of English 10 NOT in addition to it.**

**\*Meets graduation requirement for 10<sup>th</sup> graders**

**\*NCAA Approved Course**

**B56A English 11 A**

**1/2 credit**

One semester, Intermediate level of difficulty

Open to: 11<sup>th</sup> & 12<sup>th</sup>

This course seeks to broaden students' perspective through reading a variety of classic novels, plays, short stories, and essays written in time other than their own, by people from backgrounds different than theirs, about cultures and experiences they have not had. The course will focus on students gaining empathy of other times, places, and people; it will help develop close reading and analytical skills; as well as continue to build students' writing skills [with specific focus on student voice and reasoning]. Lessons in composition, grammar and usage, vocabulary, SAT preparation and disciplined study habits will be covered.

**Graduation Requirement Code B11**

**Prerequisite: English 10 or Honors English 10**

**\*Meets graduation requirement for 11<sup>th</sup> graders**

**\*NCAA Approved Course**

**B56B English 11 B**

One semester, Intermediate level of difficulty

**1/2 credit**

Open to: 11<sup>th</sup> & 12<sup>th</sup>

This course seeks to broaden students' perspective through reading a variety of classic novels, plays, short stories, and essays written in time other than their own, by people from backgrounds different than theirs, about cultures and experiences they have not had. The course will focus on students gaining empathy of other times, places, and people; it will help develop close reading and analytical skills; as well as continue to build students' writing skills [with specific focus on student voice and reasoning]. Lessons in composition, grammar and usage, vocabulary, SAT preparation and disciplined study habits will be covered.

**Graduation Requirement Code B11**

**Prerequisite: English 10 or Honors English 10**

**\*Meets graduation requirement for 11<sup>th</sup> graders**

**\*NCAA Approved Course**

**B60 Humanities Literature \*\*Offered Even Years Only\*\***

One semester, Intermediate to Advanced level of difficulty

**1/2 credit**

Open to: 11<sup>th</sup> & 12<sup>th</sup>

Humanities is "the art of being human," exploring the human condition through philosophy, religion, art and music. There are outside activities such as theater, art exhibit, museum and concert attendance that are a part of the semester grade. College level papers are the assessment that follows each major course discussion.

**Graduation Requirement Code BEL**

**\*NCAA Approved Course**

**B62 Drama**

One semester, Basic to Intermediate level of difficulty

**1/2 credit**

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This course is offered for anyone interested in the theatre arts. It will consist primarily of acting techniques including: pantomime, improvisations, and characterizations. Daily activities, rehearsed scenes, and written character analysis are required activities. The course also studies the beginnings of Greek theatre and the history of American musical theatre. Daily participation and performance are required.

**Graduation Requirement Code BEL/VPA**

**B63 Drama II**

One semester, Intermediate to Advanced level of difficulty

**1/2 credit**

Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Students will perform and create characters, study different styles of theatre, read various plays, and enhance acting and improvisation skills. Each student will design set, lighting, costumes, and makeup for a chosen production. Included in the course are a theatre history presentation/paper, and a formal play analysis. Students who have completed Drama II and wish further theatrical studies may contact the instructor for additional opportunities.

**Graduation Requirement Code BEL/VPA**

**Prerequisite: Drama I**

**B67 Film Analysis      1/2 credit**

One semester, Basic level of difficulty

Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Students in this course will explore popular film as an art form by analyzing it through the literary, dramatic, and cinematic gazes. They will look at the story, setting, character development, symbolism, elements of the film's genre, mood, cinematography, overall effectiveness of the director's choices, etc. Students will also be comparing and contrasting films with the literature they were created after. Activities will include reading literature, watching film, research, and possibly writing a screenplay.

**Graduation Requirement Code BEL/VPA**

**B68 Media Production**

**1/2 credit**

One semester, Intermediate to Advanced level of difficulty    Open to: 11<sup>th</sup> & 12<sup>th</sup>

This course is a general intro to video production with an emphasis in journalistic news writing, compiling and distribution. You will gain experience in television and broadcast productions in studio and out in the field. You will learn many of its different facets including but not limited to camera, audio, graphics, editing and directing. There will also be learning experiences as on air talent.

Objectives:

- Learn the craft of video production and the different aspects associated with a broadcast.
- Compile, write, edit and distribute news worthy information.
- Work together as a team in the studio and on location (X amount of GHTV Productions) to produce quality work that can be aired.
- Produce daily high school announcements and news.

**Graduation Requirement Code BEL/VPA**

**Teacher approval required for enrollment**

**B72 Journalism I**

**1/2 Credit**

One semester, Intermediate level of difficulty

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Journalism I is a course open to freshmen, sophomores, juniors and seniors that provides students with an introduction to the world of journalism. In this writing intensive class, students will explore all basic areas of journalistic writing in preparation for a position on the Blue and Gold yearbook or Bucs' Blade newspaper staff. They will be expected to contribute to the Bucs' Blade website and learn to write in news, feature and opinion formats while using proper journalism style and format.

Included in the course are units covering the history and purpose of the free press in American society, legal and ethical issues for journalists and the changing function of media as well as basic writing skills in news, feature and opinion writing. Students will also learn to prepare alternative-copy formats and learn when such forms are more useful than traditional story forms. As they arise, contemporary issues in journalism may also be featured in the course. Students will also have the opportunity to explore design and photojournalism and emerging media (blogging, podcasting, etc.). Having a digital camera you may use will be extremely helpful in this portion of the course.

Students taking this course can expect to write often. Assignments will be written as though they were to be published in a newspaper. Multiple revisions of assignments will be the norm.

**Graduation Requirement Code BEL/VPA**

**\*NCAA Approved Course**

**B75 Journalism II 1/2 credit**

One semester, Medium level of difficulty

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This course is intended for students who have completed Journalism I and would like a further journalism experience building on the concepts learned in the intro but who do not wish to or are not able to be on the Bucs' Blade staff. Major areas of study will include feature writing, column writing, breaking news coverage, copy editing, social media use, writing for new media and team/package reporting. Students will complete a study of Roy Peter Clark's book "Writing Tools: 50 Essential Strategies for Every Writer." NOTE: FRESHMAN AND SOPHOMORES WHO ARE SERIOUSLY INTERESTED IN JOINING THE BUCS' BLADE STAFF ARE ENCOURAGED TO TAKE JOURNALISM I AND JOURNALISM II PRIOR TO JOINING.

**Graduation Requirement Code BEL/VPA**

**Prerequisite: Completion of Journalism I with a grade of "B" or better.**

**B79 Bucs' Blade A/B**

**(up to 1 credit per year)**

One Semester, Intermediate to Advanced level of difficulty Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

**\*\*Written application must be submitted to and approved by the instructor before joining the class.\*\***

Students in this class work to produce The Bucs' Blade, Grand Haven's award-winning student newspaper and its affiliated website [bucsblade.com](http://bucsblade.com). Students work in a variety of positions in a newsroom setting, so individual jobs and experiences vary. Typically in their first year on staff, students will serve as a reporter or a photojournalist. These staffers work on basic stories (news, feature and opinion) for print and web although specific assignments will vary according to individual students' needs. Students will also learn the basic elements of copy editing for newspapers. In subsequent years on staff, students will either move up to an editorial or other leadership position which includes managing a team of reporters or photographers, planning coverage for a section and being responsible for designing print pages and uploading content to the web. At the end of each semester, all students will complete a digital exam portfolio in which they document their mastery of the tasks required by their position on staff and provide evidence documenting how they have grown as a journalist over the previous 18 weeks. *Note: revenue generation through ad sales/sponsorship sales is a part of the requirement for this course.*

**Graduation Requirement Code BEL/VPA**

**Application approval required for enrollment.**

**B82 Creative Writing I**

**1/2 credit**

One Semester, Intermediate to Advanced level of difficulty Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This writing class provides students an opportunity for self-expression. The emphasis will be on learning techniques that will help students write more effective poems, short stories and short plays. Students will also examine the connection between reading and writing. A wide variety of topics and assignments are meant to encourage and stimulate fresh ideas. **Graduation Requirement Code BEL/VPA**

**\*NCAA Approved Course**

**B83 Creative Writing II**

**1/2 credit**

One Semester, Intermediate to Advanced level of difficulty Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

The class will provide students with the opportunity to develop their self-expression through a variety of written activities. Students will further develop their creative writing skills by discussing proper storytelling technique, writing in a variety of genres and analyzing published text.

**Graduation Requirement Code BEL/VPA**

**Prerequisite: Creative Writing I**

**\*NCAA Approved Course**

**B88 College English 1/2 credit**

On Semester, Intermediate to Advanced level of difficulty      Open to: 11<sup>th</sup> & 12<sup>th</sup>

This course emphasizes writing and critical thinking skills, including a variety of expository essays, focusing on research and responses to literature. Analysis skills and assignments taught in this semester course prepare a student for future college assignments. In addition to writing, students will be required to read and critically examine literature taught at the introductory college level. Classroom discussion and participation are essential. This course should be taken as an alternative to Advanced Placement courses.

**Graduation Requirement Code BEL**

**\*NCAA Approved Course**

**B89 Exploring Shakespeare \*\*Offered Even Years Only\*\***

**1/2 credit**

One Semester, Intermediate

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Students will explore the world of Shakespeare through reading and analysis of various plays, including research of the mysterious master of word play and the time period in which he wrote his works. They will weep their way through tragedies, laugh their way through comedies, and expand their world vision through histories, all the while analyzing characters, plot, and themes. They will block out scenes, translate Shakespearean language, and perform segments for an audience. They will gain an appreciation for and a deeper understanding of the bard's language through analytical writing.

**Graduation Requirement Code: XEL**

**B92A/B Advanced Placement English Language and Composition**

**1 credit (1/2 credit each)**

Two Semesters, Advanced level of difficulty

Open to: 11<sup>th</sup> & 12<sup>th</sup>

This is a college-level course in critical thinking and effective writing. It demands higher levels of intellectual effort, and it expects self-directed motivation. Independent reading will be required, and students will study language use to critically analyze essays. Classroom discussion and active participation are essential. Written assignments, both inside and outside of class, will be an important part of the course. Students are encouraged to take the College Board's Advanced Placement English Language and Composition examination in May. **Summer assignment required.**

**Graduation Requirement Code BEL**

**Prerequisite: English 10 A & B or Honors English 10 A & B**

**\*NCAA Approved Course**

**B94A/B Advanced Placement English Literature and Composition**

**1 credit (1/2 credit each)**

Two Semesters, Advanced level of difficulty

Open to 11<sup>th</sup> & 12<sup>th</sup>

This is a college-level course designed to develop student's abilities as readers and writers, especially as critics of literature. It demands higher levels of intellectual effort and mature habits of critical thinking. Classroom discussion, collaboration and active participation are vital. Written assignments will be an important part of the course. Near the conclusion of the course, students are encouraged to take the College Board's Advanced Placement English Literature and Composition examination in May. **Summer assignment required.**

**Graduation Requirement Code BEL**

**Prerequisite: English 10 A & B or Honors English 10 A & B**

**\*NCAA Approved Course**

**B95 Yearbook Journalism A/B**      **1 credit (1/2 credit each)**

One year, Intermediate to Advanced level of difficulty    Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

The major purpose of this course is to produce The Blue and Gold yearbook. Students taking this course will learn and develop a number of skills needed to work on a publication. Primary skills include design and desktop publishing (using Adobe InDesign software), journalistic writing, editing, photography and advertising sales as well as teamwork and public relations. Editors will also study and apply principles of management. Being a member of the yearbook staff takes an extraordinary amount of dedication and effort. In addition to production of the book, course requirements include ad sales, selling and distribution of yearbooks and other administrative & organizational duties. Also, all deadlines must be met. As such, students may be required to spend a great deal of time outside of class, including occasional evenings, weekends and possibly even summer vacation in order to fulfill their duties. Grades are based on ad sales, quality of work and meeting deadlines. Students may apply for membership on the Blue and Gold staff in late January of the year prior to joining staff. Acceptance of application is a prerequisite for admission to the class.

**Graduation Requirement Code BEL/VPA**

**Application and approval required for enrollment.**

**Prerequisite: Journalism I is STRONGLY suggested.**

**C    SOCIAL STUDIES**

Requirements for graduation: **3 credits required**

9 <sup>th</sup> Grade	1.0 - World History with Geography
10 <sup>th</sup> Grade	1.0 - U.S. History with Geography
11 <sup>th</sup> /12 <sup>th</sup> Grade	.5 - Economics .5 - Government

**C20 Law**      **1/2 credit**

One semester, Basic to Advanced level of difficulty    Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This course is designed to engage students in a critical examination of the structure and function of the United States legal system. Students will be introduced to contemporary legal issues in the areas of constitutional, civil, and criminal law through a variety of methods such as discussion, cooperative learning, simulations, case analysis, lecture, guest speakers and a mock trial. The goal of this class is to increase students' practical understanding of how the justice system really works. A wide range of topics will be explored including court structure, juries, important legal cases, terminology, crime, capital punishment, and the Bill of Rights.

**Graduation Requirement Code XEL**

**\*NCAA Approved Course**

**C21 Sociology**      **1/2 credit**

One semester, Basic to Intermediate level of difficulty    Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>



Sociology is the scientific study of human societies and social behavior. The main focus is social interaction — how people relate to one another and influence each other's behavior. Students will use sociological theory to evaluate the following topics: Culture, deviance, class, race, ethnicity, gender, age, and health. This course gives students a better understanding of how the development of society is influenced by family, school, peers and the mass media. Students will also use these concepts to analyze the following movie: *The Breakfast Club*, *White Man's Burden*, *Crash* and *Mona Lisa Smiles*. **Graduation Requirement Code XEL**

**\*NCAA Approved Course**

**C23 Philosophy \*\*Offered Even Years Only\*\***

**1/2 credit**

One semester, Intermediate level of difficulty

Open to: 11<sup>th</sup> & 12<sup>th</sup>

This course will explore basic, introductory philosophical issues in the modern world, in different historical periods, and through different cultural lenses. There will be a strong emphasis on reading, writing and public speaking.

**C30A World History A**

**1/2 credit**

One semester, Basic to Intermediate level of difficulty

Open to: 9<sup>th</sup>

World History "A" is a survey course that gives students the opportunity to explore recurring themes of human experience common to civilizations around the globe from ancient times to approximately 1750. The content of this course will provide a broad overview of Ancient Civilizations, Eastern Asia, Southern Asia, Africa, and American history. It will also explain how geography, civics, and economics affected the major events of history. Major topics/objectives covered will be Impact of Geography; Development of government (authority of power); Trade and Economics; Development of religions and ethnic groups; Social organization and culture in areas and time; Conflicts, wars, revolutions, and their impact; Global connections. **This course is required for graduation.**

**Graduation Requirement Code CH0**

**\*NCAA Approved Course**

**C30B World History B**

**1/2 credit**

One semester, Basic to Intermediate level of difficulty

Open to: 9<sup>th</sup> & 10<sup>th</sup>

World History "B" is a continuation of World History A. This course continues to give students the opportunity to explore recurring themes of human experience common to civilizations around the globe from approximately 1750 to the present. The content of this course will provide a broad overview of Ancient Civilizations, Eastern Asia, Southern Asia, Africa, and American history. It will also explain how geography, civics, and economics affected the major events of history. Major topics/objectives covered will be Impact of Geography; Development of government (authority of power); Trade and Economics; Development of religions and ethnic groups; Social organization and culture in areas and time; Conflicts, wars, revolutions, and their impact; Global connections. **This course is required for graduation.**

**Graduation Requirement Code CH0**

**\*NCAA Approved Course**

**Prerequisite: Successful completion of World History A is required**

**C40 World History in Film**

**1/2 credit**

One semester, Basic level of difficulty

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This course is designed as a complement to 9th Grade World History, not a substitute for it. In this class, students will watch roughly one film per week, chosen to enhance their understanding of a particular time period, region, or culture from world history. Students will be expected to watch and analyze the movie, evaluate the film based on several criteria (including historical accuracy), and discuss the film both verbally and in written essays. While the course is open to anyone, it is designed for students who would like additional help with 9th World History. The course will spend roughly

1/3 of its time with material from World History A, 1/3 with material from World History B, and 1/3 in the modern world. It is not necessary to take the two courses simultaneously.

**Graduation Requirement Code XEL**

**C42A U.S. History A**

**1/2 credit**

One Semester, Basic to Advanced level of difficulty      Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This course is a comprehensive study of the United States in the Twentieth Century, focusing on themes and issues that have shaped the first half of the 20th Century from the 1880's to World War II. This course will take an American perspective with key focus on America's interaction with the world at large and the ways in which the events in the world have shaped the American experience. Eras of study include founding documents, Industrialism, Progressive Era, WWI, Roaring 20's, the Great Depression, and the events leading up to WWII. **This course is required for graduation.**

**Graduation Requirement Code CH2**

**Prerequisite: Successful completion of World History A & B is recommended \*NCAA**

**Approved Course**

**C42B U.S. History B**

**1/2 credit**

One Semester, Basic to Advanced level of difficulty

Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This course is a comprehensive study of the United States in Twentieth Century, focusing on themes and issues that have shaped the latter half of the 20th century, from World War II to the present. This course will take an American perspective with key focus on America's interaction with the world at large and the ways in which the events in the world have shaped the American experience. Eras of study include WWII, Cold War, Vietnam Conflict, Civil Rights movement, and Modern America. **This course is required for graduation.**

**Graduation Requirement Code CH2**

**Prerequisite: Successful completion of U.S. History A is recommended \*NCAA**

**Approved Course**

**C44 Michigan History \*\*Offered Odd Years Only\*\***

**1/2 credit**

One semester, Basic to Intermediate level of difficulty

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This course is a study of the development of Michigan from its earliest settlement by Native Americans to the present. This course will explore the many facets of how Michigan has and continues to contribute to the growth of the United States socially, politically, economically and culturally.

**Graduation Requirement Code VPA/XEL**

**\*NCAA Approved Course**

**C45 Diversity in America \*\*Offered Odd Years Only\*\***

**1/2 credit**

One semester, Intermediate to Advanced level of difficulty

Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This course explores diversity in America by examining the rich variety of cultures, people, behaviors, and values that have shaped American society. Students will examine in depth the following groups: Native Americans, Chicano/Latinos, African Americans and Asian Pacific Islander Americans and women within each group. Along with studying the cultural contributions to American society of these groups students will also examine the conditions that created injustice for those people and analyze the consequences of these injustices.

**Graduation Requirement Code XEL**

**Prerequisite: U.S. History**

**\*NCAA Approved Course**

**C46 Advanced Placement United States History A/B****1 credit (1/2 credit each)****(Advanced Placement College Board Authorized Course)**Open to: 11<sup>th</sup> & 12<sup>th</sup>

Two Semesters, Advanced level of difficulty

This course is a yearlong survey of American History from 1600 to the present. The focus of this course will be on three areas: 1) the major themes, events, and happenings in American History. 2) Preparation for the Advanced Placement Examination in U.S. History. 3) College level study skills (reading, writing-especially for essay tests, note taking, study/review skills). This course is for serious students of history who enjoy the subject and/or a challenge. To succeed in this class requires a great deal of intellectual ability and effort. As critical reading skills are essential to success, it is recommended that all students who take Advanced Placement U.S. History also take challenging English/Literature courses in their freshman and sophomore years. In a nutshell, we will be reading, writing, and talking about American History every day of the year. **Summer assignment required.**

**Graduation Requirement Code XEL****Prerequisites: Completion of American History or equivalent****\*NCAA Approved Course****C48 Advanced Placement European History A/B****1 credit (1/2 credit each)****(Advanced Placement College Board Authorized Course)**Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Two Semesters, Advanced level of difficulty

Advanced Placement European History is a yearlong, comprehensive survey of the themes, events, characters, and ideas, which have shaped the development of western civilization from the Late Middle Ages (Approx. 1400) to the present. AP European History demands rigorous intellectual effort, independent thinking, and mature critical thinking. Classroom discussion and collaboration are of major importance. This course is intended to develop mature critical thinking and analytical skills in the areas of reading, writing, and verbal expression. Assignments include reading and written analysis of primary and secondary source, and various college level writing skills from informal journals to essays to formal papers. Additionally, college level note taking and organization skills are developed. Near the conclusion of the course, students are encouraged to take the College Board's Advanced Placement European History examination.

**Summer assignment required.****Graduation Requirement Code XEL****\*NCAA Approved Course****C50 Advanced Placement World History A/B****1 credit (1/2 credit each)****(Advanced Placement College Board Authorized Course)**Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Two Semesters, Advanced level of difficulty

Advanced Placement World History is a yearlong study of the themes and events that have shaped the world as we know it. The course highlights the nature of cultural, institutional, and technological changes and their causes and consequences, as well as comparisons among major societies. Roughly 75% of the course will focus on cultures other than the United States and Europe. In addition to expanding their understanding of world history, the course will help develop the skills necessary to think critically, research diligently, and express themselves maturely. AP World History is designed for students with a passion for history and a desire to think independently. To be successful, students should possess the discipline to put forth serious intellectual effort, the ability to read and analyze college level text, and the skills to express their thoughts maturely in both written assignments and class discussions. Students will be expected to complete one major independent research project during the year, and are encouraged to take the College Boards Advanced Placement World History Examination in the spring. **Summer assignment required.**

**Graduation Requirement Code XEL****\*NCAA Approved Course**

**C66 Current Affairs****1/2 credit**One semester, Basic to Intermediate level of difficulty    Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Current Affairs examines the latest in world, national, state, and local news, using a variety of media from newspapers and magazines to television and the Internet. Course work includes group discussion, writing summaries, interpreting political cartoons, and individual and group projects on various topics from the news. One of the primary objectives of this course is to develop skills for analyzing controversial issues and the effect of the media's presentation of those issues.

**Graduation Requirement Code XEL****\*NCAA Approved Course****C74 Introduction to Psychology****1/2 credit**

One semester, Intermediate level of difficulty

Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This 9 week course is for anyone who is interested in learning what the field of psychology is about. This class will cover a broad range of topics that make up the present day study of psychology. Topics will include: Biology and the Brain, Learning and Memory, Personality Theories, Development, Motivation and Emotion, Stress & Health, and Psychological Disorders and Methods of Therapy. This course is a terrific precursor to A.P. Psychology or a great overview of the field for someone who is interested but not yet ready to jump into a yearlong course.

**Graduation Requirement Code XEL****\*NCAA Approved Course****C78 Advanced Placement Psychology A/B****1 credit (1/2 credit each)****Advanced Placement College Board Authorized Course**Open to: 11<sup>th</sup> & 12<sup>th</sup> Two

Semesters, Advanced level of difficulty

Advanced Placement Psychology is a yearlong comprehensive study of psychology that covers the same material as a college level introductory psychology course. Topics include: history & research methods, neuroscience & the brain, personality theories, human development, learning & memory, statistics, sleep & consciousness, social psychology and abnormal psychology. This course demands a high level of discipline to read large amounts of material each night while taking notes. Students are expected to be able to develop well-written essays on learned material and to take timed tests and quizzes over their reading and class notes. This course is designed to prepare students for taking the College Board's A.P. Psychology Exam held in mid-May which enables students with a high enough score to gain college credit for psychology. It is recommended that you have taken Advanced Biology as a sophomore and received at least a B- in order to take this course. A good companion course for this class is Anatomy & Physiology. To learn more about this class, or to explore its rules and procedures, please visit the class website at [www.ghaps.org/portengaa](http://www.ghaps.org/portengaa).

**Graduation Requirement Code XEL****\*NCAA Approved Course****C84 World Religions \*\*Offered Odd Years Only\*\*****1/2 credit**

One semester, Intermediate level of difficulty

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This course introduces five major religions of the world. Beginning with the Western World, students will explore Judaism, Christianity, and Islam. The Eastern religions, Hinduism and Buddhism, are examined the second half of the class. Students will become familiar with the cultures and beliefs that make each religion distinct. The class objectives are to develop tolerance of diverse religious cultures, and to explain the relationship between culture and religion. Students will have the opportunity to hear guest speakers throughout the course. No prior knowledge of world religions is required, but an open mind and respectful attitude towards different religions is beneficial.

**Graduation Requirement Code XEL****\*NCAA Approved Course**

**C86 Economics****1/2 credit**

One Semester, Intermediate to Advanced level of difficulty

Open to: 11<sup>th</sup> & 12<sup>th</sup>

Economics is the study of the choices and decisions people make about how to use the world's resources. Students will study the basics of economics such as economic systems, supply and demand, market structures, money and banking, financial markets, business cycles and economic indicators. Students will also study the government's role in the economy and the global economy. This course is required for graduation.

**Graduation Requirement Code CH4****\*NCAA Approved Course****C87 Pay It Forward****1/2 credit**

One Semester, Moderate level of difficulty

Open to: 12<sup>th</sup>

Pay It Forward is a service and project based course serving the West Michigan community. Students will collaborate to explore a focus area of study as a team, develop a driving question, research, produce and present a Senior Project that includes a plan of execution and portfolio reflective of the body of their work. Focus areas may include advocacy, community outreach, agriculture, public policy, or sustainability practices. Students are expected to cultivate relationships with area businesses, organizations, or individuals with whom they will work to develop a plan and project that contributes to the growth of the community.

**Graduation Requirement Code VPA****C88 U.S. Government****1/2 credit**

One Semester, Basic to Intermediate level of difficulty

Open to: 11<sup>th</sup> & 12<sup>th</sup>

This course is the capstone of the Grand Haven High School Social Studies curriculum. The goal of this American Government course is active engagement in public discourse as citizens in our democracy. In addition to active discussion about politics, students in this course may conduct a trial, participate in an election, debate in a legislature, file income tax, and complete other hands-on assignments. The role of service in the community and the rights and responsibilities of citizenship are emphasized. A project will be a part of each class.

**This course is required for graduation.****Graduation Requirement Code CH3****\*NCAA Approved Course****C89 Advanced Placement U.S. Government & Politics A/B****1 credit (1/2 credit each)**

Two Semesters, Advanced level of difficulty

Open to: 11<sup>th</sup> & 12<sup>th</sup>

AP US Government and Politics will give students an analytical perspective on government and politics in the United States.

This course includes both the study of general concepts used to interpret US politics and the analysis of specific examples. The course also will familiarize students with the various institutions, groups, beliefs, and ideas that constitute US political science. Students who wish to earn college credit as well as students with a heightened interest in how government works and why it works the way it does will profit from this course. AP American Government is a year-long class. Students who do not complete the entire course can receive regular American Government (1 semester computed on a 4.0 scale) credit by passing the comprehensive government exam.

**Graduation Requirement Code CH3****\*NCAA Approved Course****C90 American Democracy in Film & Literature \*\*Offered Even Years Only\*\* 1/2 credit**

One semester, Basic to Intermediate level of difficulty Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This course encourages a critical look at the promise and problems of American democracy through popular movies and books. Perspectives on topics like terrorism, capital punishment, the war on drugs, labor and employment, racism, character, and leadership, (among others), will be examined with an eye toward public policy. Valuable teamwork, analysis, evaluation, communication, and inquiry skills will be developed and enhanced while having fun with film. Some mature subject matter requires parental permission.

**Graduation Requirement Code XEL**

**C92 American Popular Culture \*\*Offered Odd Years Only\*\***

**1/2 credit**

One semester, Basic to Intermediate level of difficulty

Open to: 11<sup>th</sup> & 12<sup>th</sup>

This course is designed to give students a chance to explore the cultural history of the Baby Boom era. Students will be asked to study and evaluate the relative importance of such topics as feminism, civil rights, family roles and lifestyles, young people, protests, politics, and rebellion by viewing them through the eyes of various popular culture mediums, including television, film, and music. Other potential topics include magazines, censorship, and the economics of the entertainment industry. The class is geared toward more authentic assessments, with a strong emphasis on evaluative writing such as reviews and commentaries.

**Graduation Requirement Code XEL**

**Prerequisite: U.S. History**

**\*NCAA Approved Course**

**C94 Sports in the 20th Century \*\*Offered Even Years Only\*\***

**1/2 credit**

One semester, Basic to Intermediate level of difficulty

Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Sports are a reflection of society. This class uncovers issues in society that have left a deep impact on us and previous generations through sports. Issues like Racism, gender equality, steroids, drug use, and political tension will all be examined through sports. Your view of sports in America will be changed forever! The class includes a significant amount of class discussion, and therefore student participation is important. Students do not need a strong background in sports to take the class, just an interest in the topic and willingness to participate.

**Graduation Requirement Code XEL**

**C96 Model U.N. and World Issues \*\*Offered Even Years Only\*\***

**1/2 credit**

One semester, Advanced level of difficulty

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Do you want to solve global problems, rather than just worry about them? Model UN and World Issues looks at global challenges facing your generation and how different countries want them solved. Topics will include: terrorism, diseases like Ebola, climate change, smuggling, and more. In-class discussions and simulation will drive the course; you will have the opportunity to role-play as difference countries. This course is excellent prep for the Model UN club, which competes against schools from around the world. Membership in the club isn't required to take this course. **Graduation Requirement Code VPA/XEL**

<b>D SCIENCE</b>
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Requirements for graduation: **3 credits required**

9 <sup>th</sup> Grade	1.0 – Earth Science or Honors Earth Science
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10 <sup>th</sup> Grade	1.0 – Biology or Honors Biology
11 <sup>th</sup> Grade	1.0 – Chemistry or Honors Chemistry <b>OR</b> Physics, Honors Physics, or AP Physics

All courses of Earth Science, Biology, Chemistry and Physics are designed to meet the Michigan Curriculum Content Expectations and prepare students for secondary education.

Courses labeled **Honors** meet and exceed the Michigan Course Content Expectations. Here, the same topics are covered as in the regular classes, but proceed at a faster pace and allow the student to delve deeper into the concepts taught.

Honors courses require the science department approval BEFORE student registration. Honors Earth and Honors Biology require teacher recommendation and Placement Test scores. Honors Chemistry and Honors Physics are by student request, but the student must have met the prerequisites. (See course selection information)

A course labeled **Advanced Placement** meets the expectations set by the College Board and is the equivalent to a freshman college course.

Students taking an Advanced Placement (AP) course may take the AP test for possible college credit.

Other elective courses available throughout high school (as prerequisites are met) include the following: AP Biology, AP Chemistry, AP Physics, AP Environmental Science, Anatomy & Physiology, Astronomy, Physics Applications, Greenhouse Biology, Wildlife Biology, Geology, and Project Science.

**\*NOTE: Students are allowed to move between levels of course difficulty in different science courses (assuming prerequisites have been met).**

### **D24A Earth Science A**

**1/2 credit**

First of Two semesters (A & B), Basic to Intermediate level of difficulty Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup> This course is designed to meet the State of Michigan curriculum content expectations for Earth Science. In this hands-on, activity-based course, students will study the make-up of the solid Earth and changes that occur on the Earth's surface. Specific areas of study include: origins of the universe and solar system, life cycle of stars, dating methods of earth's rocks, mass extinctions, plate tectonics and the rock cycle. Students will also learn basic science skills, including scientific investigation, lab safety and procedures, and mapping of land features. (*Meets Earth Science Requirement*)

**Graduation Requirement Code DSE**

**\* Meets graduation requirement for 9th graders**

**Students selecting Earth Science may not take Honors Earth Science for credit as well. \*NCAA**

**Approved Course**

### **D24B Earth Science B**

**1/2 credit**

Second of Two semesters (A & B), Basic to Intermediate level of difficulty

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

**Student MUST have achieved successful completion of Earth Science A.**

This course is a continuation of Earth Science A. Learning will take place through hands-on activities, discussions, audiovisual presentations, projects and other classroom events.

Specific area of study include the results of plate tectonics (volcanoes, earthquakes, folding and faulting), oceanography and climate, hydro-geologic processes, weather and erosion (soils and dunes), the effects of glaciation, environmental hazards, predicting severe weather, weather patterns, and the effects of human activity on Earth. (*Meets Earth Science Requirement*)

**Graduation Requirement Code DSE**

**\* Meets graduation requirement for 9th graders**

**Students selecting Earth Science may not take Honors Earth Science for credit as well. \*NCAA Approved Course**

**D25A Honors Earth Science A**

**1/2 credit**

First of Two semesters (A & B), Advanced level of difficulty

Open to: 9<sup>th</sup> & 10<sup>th</sup>

**(Registration requires Departmental approval)**

This is an earth science course recommended for the student planning to pursue a science or math major in college. In this lab intensive class, students will develop skills in using scientific experimentation and earth science models to become critical thinkers. Specific areas of study include: origins of the universe and solar system, life cycle of stars, dating methods of earth's rocks, mass extinctions, plate tectonics and the rock cycle. It is expected that students selecting Honors Earth Science be strong in both science and math to take this course.

**Graduation Requirement Code DSE**

**\* Meets graduation requirement for 9th graders (May take Honors Biology concurrently)**

**Students selecting Honors Earth Science may not take Earth Science for credit as well.**

**Prerequisite: Department Approval**

**\*NCAA Approved Course**

**D25B Honors Earth Science B**

**1/2 credit**

Second of Two semesters (A & B), Advanced level of difficulty

Open to: 9<sup>th</sup> & 10<sup>th</sup>

**(MUST have achieved successful completion of Honors Earth Science A with a C- or higher)**

This course is a continuation of Honors Earth Science A. Students will continue using scientific experimentation, models, tools, and resources to explain earth science processes. Specific area of study include the results of plate tectonics (volcanoes, earthquakes, folding and faulting), weather and erosion (soils and dunes), the effects of glaciation, environmental hazards, predicting severe weather, oceanography and climate, weather patterns, hydrogeologic processes, and the effects of human activity on Earth. It is expected students selecting Honors Earth Science B should be strong in science and math to take this course. (Meets Earth Science Requirement.)

**Graduation Requirement Code DSE**

**\* Meets graduation requirement for 9th graders (May take Honors Biology concurrently)**

**Students selecting Honors Earth Science may not take Earth Science for credit as well. \*NCAA**

**Approved Course**

**D26A Geology A**

**1/2 credit**

First of Two semesters (A & B), Intermediate to Advanced level of difficulty

Open to: 11<sup>th</sup> & 12<sup>th</sup>

This elective course is structured as a college introductory geology course, applicable to any student planning to pursue a science-related degree. Students in this course will use scientific principles to study geologic concepts and build on their understanding of Earth processes. Topics include rock and mineral resources, glaciations, global tectonics, volcanism, weathering, erosion, shoreline dynamics, and geology of the Great Lakes region. Labs and field trips are an integral part of this course. Students who receive an adequate score on the final exam will receive four hours of free college credit through Grand Valley State University, transferable to many other colleges and universities in the State. **Graduation Requirement Code XEL**

**\*NCAA Approved Course**

**Prerequisite: Chemistry or Physics (May be taken concurrently)**

**D26B Geology B**

**1/2 credit**



Second of Two semesters (A & B), Intermediate to Advanced level of difficulty

Open to: 11<sup>th</sup> & 12<sup>th</sup>

This Course is a continuation of Geology A. See above for description.

**Graduation Requirement Code XEL**

**\*NCAA Approved Course**

**Prerequisite: Chemistry or Physics (May be taken concurrently)**

**D28A AP Environmental Science/Online Blended Section**

Semesters, Advanced level of difficulty

**1/2 credit Two**

Open to: 11<sup>th</sup> & 12<sup>th</sup>

This section is offered in a blended learning format. This section will be offered either at the beginning of the day or at the end of the day. Students will attend class face-to-face with their teacher and class cohort four days per week. One day per week class work will be completed online. Students may work from home on those days or attend class and work independently online. Students will need their own online access and computer at home. APES is the equivalent of a onesemester, introductory college course in environmental science. Interdisciplinary study of ecology, geology, chemistry, biology, geography, and social studies form the basis to examine interrelationships of the natural world. **Summer assignment required.**

**Graduation Requirement Code XEL**

**Prerequisite: Earth Science, Biology and Chemistry (Chemistry may be taken concurrently).**

**D28B AP Environmental Science/Online Blended Section**

Semesters, Advanced level of difficulty

**1/2 credit Two**

Open to: 11<sup>th</sup> & 12<sup>th</sup>

This Course is a continuation of AP Environmental Science/Online Blended Section

**Graduation Requirement Code XEL**

**Prerequisite: Earth Science, Biology and Chemistry (Chemistry may be taken concurrently).**

**D29 Project Science**

**1/2 credit**

One Semester, Basic level of difficulty

Open to: 9<sup>th</sup> & 10<sup>th</sup>

This course is designed to allow students an in-depth approach to major science concepts. Enrichment of scientific objectives will be demonstrated through research, application, construction, formal lab write-ups and presentations.

**Graduation Requirement Code XEL**

**Project Science will focus on science careers, scientific method and physical science principles utilizing earth, space and biological concepts.**

**D30 Health Care Career Exploration \*\*Offered Odd Years Only\*\***

**1/2 credit**

One Semester, Basic level of difficulty

Open to: 10<sup>th</sup> only

This introductory course is designed for students to explore the healthcare culture and employment opportunities within the healthcare field. It provides students with an overview of different careers and the specific skills and course work necessary for healthcare related professions. In addition, through participation within this course students will strengthen

their professional skills needed in the healthcare environment, such as flexibility, adaptability, problem solving and global thinking, and communication. Students will research and present a plan that details the skills and courses needed to be successful in a healthcare field of their interest.

**Graduation Requirement Code XEL**

**Prerequisite: None**

**D34A Biology A**

**1/2 credit**

First of Two semesters (A & B), Basic to Intermediate level of difficulty

Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This course is designed to meet the State of Michigan curriculum content expectations for Biology. This lab-based course will explore life science topics through the use of laboratory and hands-on activities, discussions, field trips, audio-visual presentations, projects and other classroom means. Units of study include ecology, biochemistry, cell structures/functions, cellular energy, and cell division processes. (*Meets Biological Requirement*)

**Graduation Requirement Code DSB**

**\* Meets graduation requirement for 10th graders**

**Students selecting Biology may not take Honors Biology for credit as well. \*NCAA**

**Approved Course**

**D34B Biology B**

**1/2 credit**

Second of Two semesters (A & B), Basic to Intermediate level of difficulty

Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This course is a continuation of Biology A. ***MUST have achieved successful completion of Biology A.*** This course will develop student skills in animal dissection, laboratory techniques, and research. Learning will take place through lab and hands-on activities, discussions, audio-visual presentations, projects and other classroom means. Units of study include DNA/RNA structure & function, genetics & biotechnology, evolution, classification, animal/ human anatomy, and human physiology & health. Dissection of specimens is an integral part of this course and students are expected to participate in dissections. (*Meets Biological Requirement*)

**Graduation Requirement Code DSB**

**\* Meets graduation requirement for 10th graders**

**Students selecting Biology may not take Honors Biology for credit as well. \*NCAA**

**Approved Course**

**D41A Honors Biology A**

**1/2 credit**

First of Two semesters (A & B), Advanced level of difficulty

Open to: 10<sup>th</sup> & 11<sup>th</sup> (**Registration requires**

**Departmental Approval**)

Taken in place of Biology A, this course is designed for the student planning to pursue a science or math major in college. This course is designed to meet and exceed the State of Michigan curriculum content expectations for Biology. This laboratory science course will develop skills in formal and informal experimentation, microscope techniques, and designing special projects. Units of study include ecology, biochemistry, cell structures/functions, microbiology, cell energetics, and cellular division. (*Meets Biological Requirement*)

**Graduation Requirement Code DSB**

**\* Meets graduation requirement for 10th graders. (May take Honors Chemistry or Honors Physics concurrently) Students selecting Honors Biology may not take Biology for credit as well.**

**Prerequisite: Department Approval**

**\*NCAA Approved Course**

**D41B Honors Biology B****1/2 credit**

Second of Two semesters (A &amp; B), Advanced level of difficulty

Open to: 10<sup>th</sup> & 11<sup>th</sup>

This course is the continuation of Honors Biology A. ***MUST have achieved successful completion of Honors Biology A.*** This laboratory science class will develop skills in animal dissection, the use of specialized laboratory equipment, microscope-based analysis, and formal/informal experimentation. Units of study include DNA/RNA structure & function, genetics & biotechnology, evolution, classification, and human body systems. Dissection of specimens is an integral part of this course and students are expected to participate in dissections. (*Meets Biological Requirement*)

**Graduation Requirement Code DSB****\* Meets graduation requirement for 10th graders****Students selecting Honors Biology may not take Biology for credit as well. \*NCAA****Approved Course****D42 Greenhouse Biology****1/2 credit**One Semester, **Offered Second semester only,**

Basic to Intermediate level of difficulty

Open to: 10<sup>th</sup>, 11<sup>th</sup> &12<sup>th</sup> (10<sup>th</sup> graders must also be

enrolled in and/or successfully completed Biology)

In this elective course, students will learn basic plant biology and how to grow plants under a variety of conditions (indoor/outdoor). Topics include soils and fertilizers; structure and function of plants; plant reproduction and cloning; houseplant care; gardening; landscape design and maintenance as well as identification of local trees and plants. The course is very hands-on and includes many outdoor projects and field trips.

**Graduation Requirement Code XEL****\*NCAA Approved Course****D43 Wildlife Biology****1/2 credit**

One Semester. Basic to Intermediate level of difficulty

Open to: 10<sup>th</sup>, 11<sup>th</sup> &12<sup>th</sup> (10<sup>th</sup> graders must also be enrolled in and/or successfully completed Biology)

In this elective course students will study the biology of fish, birds and mammals. Topics include wildlife/habitat management for common Michigan wildlife. Great Lakes ecology, fisheries management and environmental issues are also covered. Students will learn the anatomy, habits and adaptations of fish, birds and mammals. Students will also learn to identify common Michigan wildlife. The course also includes a unit on outdoor survival. Students will learn through a variety of hands-on projects, dissections, videos and labs.

**Graduation Requirement Code XEL****\*NCAA Approved Course****D46 Astronomy****1/2 credit**

One semester. Basic to Intermediate level of difficulty

Open to: 11<sup>th</sup> & 12<sup>th</sup>

In this elective course, students will be exposed to astronomical concepts of space, including the birth and structure of the universe, galaxies, stellar evolution, constellations, tools of astronomy and observation, space exploration, and the search for extraterrestrial life.

**Graduation Requirement Code XEL**

**\*NCAA Approved Course**

**D48A AP Biology A**

**1/2 credit**

**(Advanced Placement College Board Authorized Course)**

Open to: 11<sup>th</sup> & 12<sup>th</sup>

First of Two Semesters (A & B). Advanced level of difficulty

This challenging elective course is equivalent to two semesters of college Biology. It is the right choice for students who will pursue a science-based degree, or those who wish to gain college credit for an elective science class. Topics include ecology, cellular biology, biochemistry, energy transformations, heredity, molecular genetics & biotechnology, evolution, taxonomy and physiology. Laboratory work involves advanced techniques and equipment, while stressing thorough observation, record keeping and analysis. College credit can be earned by students who attain a satisfactory score on the College Board's AP Biology exam offered each May. **Summer assignment required.**

**Graduation Requirement Code XEL**

**Prerequisites: Honors Biology or Biology (B average) and Chemistry or Honors Chemistry (Honors Chemistry or Chemistry may be taken concurrently)**

**\*NCAA Approved Course**

**D48B AP Biology B**

**1/2 credit**

**(Advanced Placement College Board Authorized Course)**

Open to: 11<sup>th</sup> & 12<sup>th</sup>

Second of Two Semesters (A & B) Advanced level of difficulty

This course is the continuation of AP Biology A. See above for description. **Summer assignment required.**

**Graduation Requirement Code XEL**

**Prerequisites: Honors Biology or Biology (B average) and Chemistry or Honors Chemistry (Honors Chemistry or Chemistry may be taken concurrently)**

**\*NCAA Approved Course**

**D49A Anatomy & Physiology A**

**1/2 credit**

First of Two semesters (A & B), Intermediate to Advanced level of difficulty

Open to: 11<sup>th</sup> & 12<sup>th</sup>

**This elective course is primarily a senior level course and is designed for students who are anticipating a career/program in medicine or other related health field careers. It is also designed to allow the student to gain a deeper knowledge of the anatomy and physiology of the body as well as prepare the student for greater success in the more rigorous college level Biology courses.** Students in this course will study the anatomy of the human body systems & tissues, explaining their relationships and how/why they work. Class time requires in-depth study and dissection of a cat and other mammalian body organs. Other topics discussed or performed throughout both semesters are organ donation, drug & disease awareness, and Michigan Blood drive. Topics covered in this course are: Body Overview, Cells, Skin, Bones, Muscles, Blood, Circulation, Respiration, Brain and special senses, Digestion, Excretion, Reproduction, Pregnancy (growth & development), & detailed cat dissection. This course is a good companion course to AP Psychology, AP Biology and/or AP Physics.

**Graduation Requirement Code XEL**

**Prerequisites: Juniors: Honors Biology or Biology (with a grade of B or better) and Bio teacher recommendation**

**Seniors: Successful completion of Chemistry or Physics \*NCAA Approved Course**

**D49B Anatomy & Physiology B**

**1/2 credit**

Second of Two semesters (A & B), Intermediate to Advanced level of difficulty

Open to: 11<sup>th</sup> & 12<sup>th</sup>

This course is a continuation of Anatomy & Physiology A. ***MUST have achieved successful completion of Anatomy & Physiology A.*** See above for description

## **Graduation Requirement Code XEL**

**Prerequisites: Successful completion of Anatomy & Physiology A \*NCAA**

### **Approved Course**

#### **D51A Chemistry A**

**1/2 credit**

First of Two semesters (A & B), Intermediate level of difficulty

Open to: 11<sup>th</sup> & 12<sup>th</sup>

This course is designed to meet the State of Michigan curriculum content expectations for Chemistry. Chemistry is the study of matter, its structure, properties, and the changes it undergoes. Topics for Chemistry A include the structure of the atom, the periodic table, the arrangement of the electrons in atoms, how atoms combine to form compounds, naming compounds and writing chemical formulas, chemical equations, and the mathematics of chemical formulas and equations. Laboratory experiments are done to reinforce Chemistry concepts and give first hand experiences with basic lab procedures and equipment.

### **Graduation Requirement Code DSC**

**\* Meets graduation requirement for 11th graders**

**Prerequisite: Successful completion of Biology or Honors Biology**

**Students selecting Chemistry may not take Honors Chemistry for credit as well. \*NCAA**

### **Approved Course**

#### **D51B Chemistry B**

**1/2 credit**

Second of Two semesters (A & B). Intermediate level of difficulty

Open to: 11<sup>th</sup> & 12<sup>th</sup>

This course is a continuation of Chemistry A. ***MUST have achieved successful completion of Chemistry A.*** Students who have successfully completed Chemistry A, will now be prepared to study topics with more emphasis using mathematical skills. Topics for Chemistry B include the states of matter and their properties, energy of chemical reactions, solutions and their properties, acids and bases, and gas laws. This course includes hands-on laboratory activities used to support learning in the classroom.

### **Graduation Requirement Code DSC**

**\* Meets graduation requirement for 11th graders**

**Prerequisite: Successful completion of Chemistry A**

**Students selecting Chemistry may not take Honors Chemistry for credit as well. \*NCAA**

### **Approved Course**

#### **D55A Honors Chemistry A**

**1/2 credit**

First of two semesters (offered first semester only). Advanced level of difficulty

Open to: 11<sup>th</sup> & 12<sup>th</sup>

Students selecting Honors Chemistry A should also select Honors Chemistry B

Honors Chemistry A is for students who are planning a career in science, technology, engineering, math (STEM), or medicine. It is designed to meet and exceed the State of Michigan curriculum content expectations for Chemistry. Honors Chemistry A gives the student a deeper knowledge of the nature and composition of matter and the laws concerning the reactions of substances as well as prepares students for success in more rigorous college level chemistry courses. This course is more in-depth with greater expectations of students to do work outside of class than regular chemistry.

Topics for Honors Chemistry A include measurement, the structure of the atom, the periodic table, the arrangement of the electrons in atoms, how atoms combine to form compounds, naming compounds and writing chemical formulas, chemical equations, the mathematics of chemical formulas and equations, molecular geometry and reactions in aqueous solutions. This course includes hands-on laboratory activities used to support learning in the classroom.

## **Graduation Requirement Code DSC**

### **\* Meets graduation requirement**

**Prerequisite: Successful completion of Honors Algebra II A and Honors Algebra II B (B or better average). Students selecting Honors Chemistry A or Honors Chemistry B may not take Chemistry A or Chemistry B for credit as well.**

**\*NCAA Approved Course**

### **D55B Honors Chemistry B**

**1/2 credit**

Second of two semesters (offered second semester only). Advanced level of difficulty. Open to: 11<sup>th</sup> & 12<sup>th</sup>

Students selecting Honors Chemistry B must have achieved successful completion of – and credit for - Honors Chemistry A. Credit for Honors Chemistry A must be earned. This course is a continuation of Honors Chemistry A.

Topics for Honors Chemistry B include the states of matter (gases, liquids and solids) and their properties, energy of chemical reactions, solutions and their properties, kinetics, equilibrium, and acids and bases. This course includes hands-on laboratory activities used to support learning in the classroom.

## **Graduation Requirement Code DSC**

### **Meets graduation requirement**

**Prerequisite: Successful completion of Honors Chemistry A (credit for Honors Chemistry A must be earned). Students selecting Honors Chemistry A or Honors Chemistry B may not take Chemistry A or Chemistry B for credit as well.**

**\*NCAA Approved Course**

### **D57A AP Chemistry A**

**1/2 credit**

**(Advanced Placement College Board Authorized Course)**

Open to: 12<sup>th</sup>

First of Two Semesters (A & B). Advanced level of difficulty.

AP Chemistry is designed to prepare students who want to take the annual AP Chemistry test in May. AP Chemistry students must have taken Honors Chemistry A and Honors Chemistry B. AP Chemistry is designed to be the equivalent of the general chemistry course usually taken during the first year of college. This means the student in AP Chemistry must spend a great deal of time outside of class studying and working on problems on their own in order to fully understand the principles of chemistry.

For some students, this course enables them to undertake, in their first year of college, second-year work in the chemistry sequence at their institution, or, to register in courses in other fields where general chemistry is a prerequisite. For other students, the AP Chemistry course fulfills the laboratory science requirement and frees time for other courses.

AP Chemistry meets the objectives of a good college general chemistry course. Students in such a course should attain a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. The course should contribute to the development of the ability to think clearly and to express ideas, orally and in writing, with clarity and logic.

The curriculum for this class includes study of the following six Big Ideas:

Big Idea 1: The chemical elements are fundamental building materials of matter, and all matter can be understood in terms of arrangement of atoms. These atoms retain their identity in chemical reactions.

Big Idea 2: Chemical and physical properties of materials can be explained by the structure and the arrangements of atoms, ions, or molecules and the forces between them.

Big Idea 3: Changes in matter involve the rearrangement and/or reorganization of atoms and/or the transfer of electrons.

Big Idea 4: Rates of chemical reactions are determined by details of the molecular collisions.

Big Idea 5: The laws of thermodynamics describe the essential role of energy and explain and predict the direction of changes in matter.

Big Idea 6: Any bond or intermolecular attraction that can be formed can be broken. These two processes are in a dynamic competition, sensitive to initial conditions and external perturbations.

### **Graduation Requirement Code XEL**

**Prerequisite: Honors Chemistry A and Honors Chemistry B (B average or better) and Honors Algebra II A and Honors Algebra II B (B average or better).**

**\*NCAA Approved Course**

#### **D57B AP Chemistry B**

**1/2 credit**

**(Advanced Placement College Board Authorized Course)**

Open to: 12<sup>th</sup> only

Second of Two Semesters (A & B). Advanced level of difficulty.

\*This is a continuation of AP Chemistry A. See above for description.

#### **D62A Physics A (Differentiated – Honors Level)**

**1/2 credit**

First of Two semesters (A & B), Intermediate to Advanced level of difficulty

Open to: 11<sup>th</sup> & 12<sup>th</sup>

Physics is primarily a senior level course designed for students who are considering advanced study in STEM related fields (Science, Technology, Engineering and Mathematics). As a 4<sup>th</sup> year science course that applies the language of mathematics to the investigative nature of science, this course completes the core science curriculum while also serving to fulfill the senior math requirement. As this course relies heavily on scientific and mathematical reasoning, it is strongly recommended that students have completed Chemistry, as well as Algebra II (preferably Honors Algebra II) with a grade of C+ or better. Students taking calculus (or who have already completed calculus) may want to consider AP calculus based physics.

Physics studies and applies the fundamental laws that govern all interactions between matter and energy, and as such, serves as the basis for understanding not only “how things work”, but also how to design “systems” that work to our advantage. The jobs and careers of the future will continue to rely heavily on the skillful application of the fundamental physical laws, as well as the critical thinking and problem solving skills developed in a physics course. Topics in Physics A include Kinematics (Mathematical model of motion, including projectile motion), Forces and Dynamics (including Newton’s Laws), the Universal Law of Gravity, and the Conservation Laws of Energy and Momentum. Laboratory experiments and projects are frequent and may involve the use of computerized data gathering and/or web based simulations to support learning objectives.

### **Graduation Requirement Code DSC**

**Meets graduation requirement for 11th graders, but recommended as a senior level course.**

**\*\*Designated as a senior math related course**

**Prerequisite: Algebra II with C+ or better**

**\*NCAA Approved Course**

#### **D62B Physics B (Differentiated – Honors Level)**

**1/2 credit**

Second of Two semesters (A & B). Intermediate to Advanced level of difficulty

Open to: 11<sup>th</sup> & 12<sup>th</sup>

This course is a continuation of Physics A. Students who have successfully completed Physics A will now be prepared to study further topics including, Mechanical Waves and Wave Properties, Nature of Sound, Nature of Light, Reflection and Refraction (including optics), Basic Electricity and Nuclear Energy. Laboratory experiments are frequent and may involve the use of computerized data gathering and/or web based simulations to support learning objectives.

### **Graduation Requirement Code DSC**

**Meets graduation requirement for 11th graders, but recommended as a senior level course.**

**\*\*Designated as a senior math related course**

**Prerequisite: Successful completion of Physics A**

**\*NCAA Approved Course**

**D66A Honors Physics A **\*\*Offered Odd Years Only\*\*****

**1/2 credit**

First of Two semesters (A & B). Advanced level of difficulty

Open to: 11<sup>th</sup> & 12<sup>th</sup>

**Recommended as a senior course**

This course is designed to meet and exceed the State of Michigan curriculum content expectations for Physics. ***This course is designed for students who are planning on a career in science, math, engineering or medicine and is designed to allow the student to gain a deeper knowledge of physics as well as prepare students for success in the more rigorous college level physics course required for science and math majors. This course will be a faster-paced course with greater expectations of the students to do work outside of class.*** Both conceptual and mathematical (quantitative) application of laws will be emphasized. Topics include the Mathematical Model of Motion (Kinematics), Forces and Motion (Dynamics), Projectile and Circular Motion, Mechanical Energy and its Conservation, and Momentum and its Conservation. Laboratory experiments are frequent and often involve the use of computerized data gathering to support learning objectives.

**Graduation Requirement Code DSC**

**Meets graduation requirement for 11th graders**

**\*\*Designated as a senior math related course**

**Prerequisite: Successful completion of Honors Algebra II**

**Students selecting Honors Physics may not take Physics for credit as well.**

**\*NCAA Approved Course**

**D66B Honors Physics B **\*\*Offered Odd Years Only\*\*****

**1/2 credit**

Second of Two semesters (A & B). Advanced level of difficulty

Open to: 11<sup>th</sup> & 12<sup>th</sup>

This course is a continuation of Honors Physics A. ***MUST have achieved successful completion of Honors Physics A.*** Students that have successfully completed Honors Physics A, will now be prepared to study topics including Mechanical Waves and Wave Properties, Nature of Sound, Nature of Light, Reflection and Refraction and Basic Electricity. Laboratory experiments are frequent and often involve the use of computerized data gathering to support learning objectives.

**Graduation Requirement Code DSC**

**Meets graduation requirement for 11th graders**

**\*\*Designated as a senior math related course Prerequisite: Successful completion of Honors Physics A**

**Students selecting Honors Physics may not take Physics for credit as well. \*NCAA Approved Course**

**D67 Physics Applications: Electricity & Electronics**

**1/2 credit**

One semester. Intermediate level of difficulty.

Open to: 11<sup>th</sup> & 12<sup>th</sup>

This elective course is designed to enhance the State of Michigan objectives relating to electricity as a component of the physics objectives. This is a practical course in electricity serving as a complement to the Honors Physics A and B



sequence, or the Physics A and B sequence. However it may be taken independently of the physics sequences with instructor approval. Topics include DC and AC circuit analysis, Ohm's Law, Series/Parallel/Combination circuits, Electrical Power, Transformers, and Capacitive/Inductive Circuits. Laboratory work is frequent and will involve larger projects including the building of power supplies and strobe lights.

**Graduation Requirement Code XEL**

**Prerequisite: Concurrent enrollment or successful completion of Physics A/B or Honors Physics A/B and Algebra II \*NCAA Approved Course**

**D68A AP Physics A Calculus Based**

**1/2 credit**

First of Two semesters (A & B) Advanced level of difficulty

Open to: 11<sup>th</sup> & 12<sup>th</sup>

This is a year- long course for those interested in advanced study in scientific and/or technical fields in the physical sciences. The algebra based, regular physics course does NOT need to be taken prior to this course, as physics principles will be developed, instead, using the mathematical language of calculus. This course will prepare students to take the AP test for Physics C-Mechanics. In addition to mechanics, students will explore additional topics that are not a part of the AP exam, but help provide a more complete view of the physical world and the laws that describe it. These topics include waves, sound, light, optics and nuclear energy.

**Graduation Requirement Code XEL**

**\*\*Designated as a Senior math related course**

**Prerequisite: AP Calculus (AB) or concurrently with teacher approval. An introductory physics course is helpful, but is not required.**

**D68B AP Physics B Calculus Based**

**1/2 credit**

Second of Two semesters (A & B). Advanced level of difficulty

Open to: 11<sup>th</sup> & 12<sup>th</sup>

This is a continuation of AP Physics A. See above for description

**Graduation Requirement Code XEL**

**\*\*Designated as a senior math related course**

**Prerequisite: AP Calculus (AB) or concurrently with teacher approval. An introductory physics course is helpful, but is not required.**

<b>E MATHEMATICS</b>
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**\*Students must be enrolled in a math course until they have met the College & Career Benchmark for Math on the ACT/MME test. This benchmark score is 22 on ACT and 1116 on MME.**

These credits can be earned by any combination listed below

**TRADITIONAL MATH SEQUENCE**

Algebra I ⇔ Geometry

Geometry ⇔ Honors Algebra II or Algebra II

Honors Algebra II ⇔ Trigonometry/Statistics or Pre-Calculus

Algebra II ⇔ Trigonometry/Statistics or Honors Algebra II

Trigonometry/Statistics ⇔ AP Statistics or Pre-Calculus

Pre-Calculus ⇔ AP Calculus or AP Statistics.

**Math credits must include: 1.0 Algebra I, 1.0 Geometry, 1.0 Algebra II and 1.0 credit of Math in final year.**

### **E15 Algebra Enrichment**

**1/2 credit**

One Semester, Basic level of difficulty

Open to: 9th during Sem 1 only

**By teacher recommendation**

To help students move from middle grades to high school mathematics and provide a broad yet solid foundation for both algebra and geometry. Algebra Enrichment is a student-centered program that includes interesting topics, authentic data sets, and real-life applications to motivate students. For the student who is a good worker - completes assignments and willing to give a best effort. Instruction first focuses on student understanding of each skill, then couples the skill with how it is used in daily life.

**Graduation Requirement Code EME**

**Open to 9th graders with previous teacher recommendation**

### **E20A Algebra I A**

**1/2 credit**

One Semester, Basic level of difficulty

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Algebra 1A builds upon knowledge to recognize and solve mathematical and real-world problems involving linear relationships and to make sense of and move fluently between the graphic, numeric, symbolic, and verbal representations of these patterns. Algebra I A builds on the approach to the study of functions and representations begun in the middle grades. This is done by broadening the study of linear relationships to include piecewise functions, absolute value equations, systems of equations with two and three unknowns, formalized function notation, and linear regression and correlation. Algebra I A is a requirement for graduation and preparation for their high school math proficiency test. A scientific calculator or a graphing calculator is required.

**Graduation Requirement Code EM1**

**\*NCAA Approved Course**

### **E20B Algebra I B**

**1/2 credit**

One Semester, Basic level of difficulty

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Algebra I B builds upon knowledge of linear patterns of change and familiarity with nonlinear patterns such as exponential and quadratic. The knowledge of exponential and quadratic function families is extended and deepened by including topics such as rules of exponentiation, operations and factoring polynomials, and standard and vertex forms for quadratic equations. Students will also develop their knowledge of power functions and the applications they model. Finally, Algebra I B expands the number domain from real to complex numbers. Algebra I B is a requirement for graduation and preparation for their high school math proficiency test. A scientific calculator or a graphing calculator is required.

**Graduation Requirement Code EM1**

**Prerequisite: Successful completion of Algebra I A**

**\*NCAA Approved Course**

### **E30A Geometry A**

**1/2 credit**

One Semester, Advanced level of difficulty

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Geometry is a two-semester course that is required for graduation. Geometry stresses the ability to reason logically and to think critically. Geometry A focuses on logical thinking and proof, foundations of Euclidean Geometry, parallel and perpendicular lines, relationships and properties of triangles, polygons and quadrilaterals.

**Prerequisite: Successful completion of Algebra I A and B**

**Graduation Requirement Code EM2**

**E30B Geometry B**

**1/2 credit**

One Semester, Advanced level of difficulty

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Geometry is a two-semester course that is required for graduation. Geometry stresses the ability to reason logically and to think critically. Geometry B focuses on similarity, right triangles and Trigonometry, transformations, area and volume of two-dimensional and three-dimensional figures, circles, probability, and applications of Geometry.

**Graduation Requirement Code EM2**

**Prerequisite: Successful completion of Geometry A**

**E34 Math of Games**

**1/2 credit**

One Semester, Intermediate level of difficulty

Open to: 12<sup>th</sup> only

Students in this course will investigate the mathematical components of various traditional games (dice games, card games, board games, multicultural games, lotteries, television games, Rubik's cube, Sudoku, Scrabble, pool, miniature golf and more.) Concepts from Algebra, Geometry, and Discrete Math will be implemented to determine outcomes, probabilities, and most effective strategies.

**Graduation Requirement Code EME**

**Prerequisite: Successful completion of Honors Algebra II A & B**

**E35 Personal Finance and Investing**

**1/2 credit**

One Semester, Intermediate level of difficulty

Open to: 12<sup>th</sup> only

This one semester class assists students in developing a personal strategy of money management and investment. The various topics covered include budgeting, wants vs. needs, credit card use and misuse, college costs, career earnings, financing a home, consumer loans, investment risk vs. reward, compound interest, stocks, bonds, mutual funds, retirement plans, real estate, insurance, and portfolio allocations. Throughout the course, guest speakers from a variety of financial disciplines may visit the classroom to lend their expertise. The class goal is to educate students so they may take control of their financial lives, and ultimately become financially secure and independent

**Graduation Requirement Code EME**

**Prerequisite: Algebra I A & B**

**Note: Juniors may take this class as a second math class. This class cannot be their only math class, unless they have successfully completed Algebra II.**

**E36 Personal Finance and Investing II**

**1/2 credit**

One Semester, Intermediate level of difficulty

Open to: 12<sup>th</sup> only

This one semester class will cover the following financial topics: Job applications/resume/cover letters, interviews, consumer decisions/protection, renting/leasing, taxes, home equity, present value analysis, options, futures, wills/trusts, exchange rates, budgeting, saving and investing (Stocks/Bonds/Mutual Funds/Real Estate, ETF's, FOREX), Insurance, Retirement, Automobile/Home Purchasing.

**Graduation Requirement Code EME**

**Prerequisite: Successful completion of Personal Finance & Investing with a grade of "B" or higher.**

**E37 Data Analysis**

**1/2 credit**

One Semester, Basic to Intermediate level of difficulty

Open to: 12th Only

This course will keep students active by recording temperatures of coffee, heights of bouncing balls, times of falling objects, revenue of movies, intensity of light and much more to create mathematical models which could be used to extrapolate the data. Students will learn various ways of organizing and displaying the collected data. Class content will focus on the theory of conceptual ideas and the applications of the math. Students will review content from Algebra using manipulatives and activities and learn the basics of statistics including the normal curve.

**Graduation Requirement Code EME**

**Prerequisite: Successful completion of Geometry A & B**

**E38 Visual Math \*\*Offered Odd Years Only\*\***

**1/2 credit**

One Semester, Intermediate level of difficulty

Open to: 9<sup>th</sup> & 10<sup>th</sup>

This course is designed to allow students a deeper understanding of topics learned in Algebra I and Geometry. A visual approach using a variety of technologies will be used to explore art, construction, data analysis and problem solving.

**A TI-graphing calculator is required.**

**Graduation Requirement EME**

**Prerequisite: Algebra I and Geometry**

**E40A Honors Algebra II A**

**1/2 credit**

One Semester, Intermediate level of difficulty

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Honors Algebra II will help in a critical understanding of algebraic processes, practices, and procedures. Among the areas to be considered are: organization and understanding of a mathematical system and the critical factors used in solving problems involving applications. The course is designed to help the students increase their familiarity with the nature of algebra. In this term there is an emphasis on solving and graphing equations, systems of equations, quadratics, and properties of exponents. A graphing calculator is strongly recommended. **Honors Algebra II should be taken if a student's plans on taking Pre-calculus.**

**Graduation Requirement Code EM3**

**Prerequisite: Successful completion of Geometry A & B**

**\*NCAA Approved Course**

**E40B Honors Algebra II B**

**1/2 credit**

One Semester, Intermediate level of difficulty

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This is the second semester Honors Algebra II class. In this semester there is an emphasis on logarithms, rational expressions, sequences and series, probability and statistics, and trigonometry. **Honors Algebra II should be taken if a student's plans on taking Pre-calculus.**

**Graduation Requirement Code EM3**

**Prerequisite: Successful completion of Honors Algebra II A**

**\*NCAA Approved Course**

**E45A Algebra II A**

**1/2 credit**

One Semester, Intermediate level of difficulty

Open to: 11<sup>th</sup> & 12<sup>th</sup>

Algebra II A provides those students encountering difficulties understanding algebraic concepts a less vigorously paced course of algebraic processes, practice, and procedures. **Those students who plan on enrolling in Pre-Calculus in the following year should not take Algebra II or will need to additionally enroll in Trigonometry with this course.** A graphing calculator is strongly recommended. Part A will review concepts taught in Algebra I and build skills to solve systems of equations with two or more variables. **Graduation Requirement Code EM3**

**Prerequisite: Successful completion of Geometry A and B**

**\*NCAA Approved Course**

**E45B Algebra II B**

One Semester, Intermediate level of difficulty

**1/2 credit**

Open to: 11<sup>th</sup> & 12<sup>th</sup>

Algebra II B provides those students encountering difficulties understanding algebraic concepts a less vigorously paced course of algebraic processes, practice, and procedures. **Those students who plan on enrolling in Pre-Calculus in the following year should take Honors Algebra II or will need to additionally enroll in Trigonometry with this course.** Part B will focus on functions: power, inverse, logarithmic, and rational. We will also work with rational expressions and conics.

**Graduation Requirement Code EM3**

**Prerequisite: Successful completion of Algebra II A**

**\*NCAA Approved Course**

**E50A Pre-Calculus A**

One Semester, Advanced level of difficulty

**1/2 credit**

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This course deals with the topics of functions including polynomial functions, rational functions, exponential functions, logarithmic functions, and trigonometric functions. Graphing is also involved. A graphing calculator is recommended.

**Graduation Requirement Code EME**

**Prerequisite: Successful completion of Honors Algebra II A & B**

**\*NCAA Approved Course**

**E50B Pre-Calculus B**

One Semester, Advanced level of difficulty

**1/2 credit**

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This course deals with the subjects of: linear systems and matrices, sequences and series; probability, analytical geometry, a formal and intuitive approach to the study of limits; an introductory study of derivatives and their graphical applications; an informal introduction to integration and its application to areas and volumes. A strong emphasis is placed on preparing the student for calculus. A graphing calculator is recommended.

**Graduation Requirement Code EME**

**Prerequisite: Successful completion of Pre-Calculus A**

**\*NCAA Approved Course**

**E53 Trigonometry**

One Semester, Advanced level of difficulty

**1/2 credit**

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This is a one semester class presenting the trigonometric functions first from the unit circle approach and then by using right triangles. In addition to trigonometric functions and their graphs, emphasis is placed on the law of cosine, the law of sines, and applications of trigonometry. A graphing calculator is strongly recommended.

**Graduation Requirement Code EME**

**Prerequisite: Successful completion of Honors Algebra II A & B or Algebra II A & B \*NCAA**

**Approved Course**

**E56 Statistics 1/2 credit**

One Semester, Advanced level of difficulty Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This is a one semester class focusing on ability to use statistical methods to interpret real-life data from newspapers, magazines, and other sources. Covers probability theory, the binomial probability distribution, normal distributions, sampling distributions, estimation, hypothesis testing, regression and correlation. A graphing calculator is strongly recommended.

**Graduation Requirement Code EME**

**Prerequisite: Successful completion of Honors Algebra II A & B or Algebra II A & B \*NCAA**

**Approved Course**

**E57 Sport Statistics \*\*Offered Even Years Only\*\* 1/2 credit**

One Semester, Basic level of difficulty Open to: 9<sup>th</sup> & 10<sup>th</sup>

Ever wonder how a Quarterback rating is found? What about the B.C.S. ratings? This course will dive into the fun statistics of sports, including football, basketball, baseball, soccer, running, fantasy sports, and much more. Students will grasp the use of statistics in sports and how statistics have improved them. This course will expose students to statistics while keeping peek interest using sports that students are passionate about.

**Graduation Requirement Code EME**

**Prerequisite: None**

**E60 Advanced Placement Statistics 1 credit**

Two Semesters, Advanced level of difficulty Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

The Advanced Placement Statistics course is an excellent option for any student who has successfully completed a secondyear course in algebra, and is planning on attending college, regardless of intended college major. In college, at least one statistics course is typically required for majors such as engineering, psychology, sociology, health science, and business. The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes:

- Exploring Data: Observing patterns and departures from patterns
- Planning a Study - Deciding what and how to measure
- Anticipating Patterns - Producing models using probability and simulation -

Statistical Inference - Confirming models

This course meets all the requirements of the Advanced Placement Program and will prepare students to qualify for the advanced placement statistics examination, as administered by The College Board. Students who successfully complete the course and examination may receive credit and/or advanced placement for a one-semester introductory college statistics course. A TI-83 graphing calculator is strongly recommended.

**Graduation Requirement Code EME**

**Prerequisite: Successful completion of Honors Algebra II A & B \*NCAA**

**Approved Course**

**E70 Advanced Placement Calculus AB 1 credit**

Two Semesters, Advanced level of difficulty Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This course involves the study of the calculus of a single variable. It begins with an intuitive treatment of differential and integral calculus in reference to trigonometric, algebraic, inverse and logarithmic functions. Applications to analytic geometry, maxima and minima, area and volume and other physical phenomena are studied. The course meets the requirements established by the College Entrance Examination Board and successful students are encouraged to take the Advanced Placement Calculus AB test in May. **Successful completion of the AB test will replace the FIRST semester of college calculus.** A graphing calculator is strongly recommended.

**Graduation Requirement Code EME**

**Prerequisite: Successful completion of Pre-Calculus**

**\*NCAA Approved Course**

**E80 Advanced Placement Calculus BC**

**1 credit**

Two Semesters, Advanced level of difficulty

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

A.P. Calculus BC is a fast-paced alternative for our most advanced math students seeking to maximize their Advance Placement opportunities. This is a year-long class that contains all of the material covered in A.P. Calculus AB plus the calculus of polar equations, parametric equations, differential equations and series. Material will be covered at an accelerated rate in order to prepare students for the BC Calculus Exam in May. **Successful completion of the BC test will replace the FIRST TWO semesters of college calculus.** (Note: a sub-score of this test is automatically given to judge the qualification of a student for just the first semester of college calculus topics, those covered in A.P. Calculus AB). A graphing calculator is strongly recommended.

**Graduation Requirement Code EME**

**Prerequisite: A.P. Calculus AB or a strong Precalculus student**

**Teacher recommendation required**

**\*NCAA Approved Course**

**F WORLD LANGUAGES**

Requirement for Graduation: 2 Credits – two years (1A, 1B, 2A, 2B) of one language are required to graduate. It is recommended that college bound students take four to five years of one world language.

**FRENCH**

**F72 French 5A**

**1/2 credit**

One Semester, Advanced level of difficulty

Open to: 12<sup>th</sup> only

Students will review and expand upon the skills learned in French 1A through 4B. The listening, speaking, reading, and writing skills taught center around social and cultural situations in Senegal, Morocco, the Central African Republic, and Tunisia. Topics include careers, family, and traditional versus city life. Students will be introduced to some classic films and literature.

**Graduation Requirement Code XEL**

**Prerequisite: Successful completion of French 4B; a grade of C- or better is strongly recommended.**

**\*NCAA approved course**

**F72 French 5B**

**1/2 credit**

One Semester, Advanced level of difficulty

Open to: 12<sup>th</sup> only

Students will review and expand upon the skills learned in French 1A through 5A. The listening, speaking, reading, and writing skills taught center around social and cultural situations in Guadeloupe, Louisiana, and the Olympic games. Topics include music and Cajun food, and sports. Students will continue studying some classic films and literature.

**Graduation Requirement Code XEL**

**Prerequisite: Successful completion of French 4B; a grade of C- or better is strongly recommended.**

**\*NCAA approved course**

## SPANISH

**F36 Spanish 1A**

One Semester, Basic level of difficulty

**1/2 credit**

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Students will learn the four basic language skills: listening, speaking, reading, and writing. In basic social and cultural situations, students will learn how to use the language appropriately, focusing on topics such as expressing likes and dislikes, personality traits, classroom items, and locations in a school. These situations will form the focal point for developing skills through the study of vocabulary, grammar, dialogues, readings, and hands-on activities. Cultural materials emphasize geography and the way of life of the Spanish-speaking world.

**Graduation Requirement Code XEL**

**\*NCAA Approved Course**



1/2 credit

**F36 Spanish 1B**

One Semester, Basic level of difficulty

Open to:

In a practical and cultural setting, students will expand upon skills learned in Spanish 1A. Topics will include food and beverages, health, leisure activities, feelings and accepting or declining invitations.

**Graduation Requirement Code XEL**

**Prerequisite: Successful completion of Spanish 1A; a grade of C- or better is strongly recommended.**

**\*NCAA Approved Course**

**F46 Spanish 2A**

One Semester, Basic level of difficulty

1/2 credit

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Students will expand upon the listening, speaking, reading, and writing skills in a practical and cultural setting utilizing vocabulary and complex grammar concepts. This class will cover 3 chapters, including vocabulary relevant to family and festivities, describing people, ordering a meal, rooms and items in a house, household chores, clothing and shopping.

**Graduation Requirement Code XEL**

**Prerequisite: Successful completion of Spanish 1B; a grade of C- or better is strongly recommended.**

**\*NCAA Approved Course**

**F46 Spanish 2B**

One Semester, Basic level of difficulty

1/2 credit

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Students will expand upon the listening, speaking, reading, and writing skills in a practical and cultural setting utilizing vocabulary and complex grammar concepts. This class will cover 3 chapters, including vocabulary relevant to activities and vacation places, recycling and volunteer work, television shows and movie genres, computer and communication technology, classroom items and activities, and extracurricular activities.

**Graduation Requirement Code XEL**

**Prerequisite: Successful completion of Spanish 2A; a grade of C- or better is strongly recommended.**

**\*NCAA Approved Course**

**F56 Spanish 3A**

One Semester, Intermediate level of difficulty

1/2 credit

Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Students will review and expand upon the skills learned in Spanish 1A through 2B. They will review and expand on grammatical concepts, vocabulary, and expressions. Speaking and writing will be emphasized based on everyday situations and readings. Topics will include daily routines, getting ready for events, shopping, running errands, locations in a town, driving terms, modes of transportation, toys and childhood memories, holiday and family celebrations.

**Graduation Requirement Code XEL**

**Prerequisite: Successful completion of Spanish 2B; a grade of C- or better is strongly recommended.**

**\*NCAA Approved Course**

**F56 Spanish 3B**

One Semester, Intermediate level of difficulty

1/2 credit

Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Students will review and expand upon the skills learned in Spanish 1A through 3A. They will review and expand on grammatical concepts, vocabulary, and expressions. Speaking and writing will be emphasized based on everyday situations and readings. Topics will include natural disasters, health and wellness, television programs, and cinema, cooking and items in a kitchen, camping and cookouts.

1/2 credit

9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

**Graduation Requirement Code XEL**

**Prerequisite: Successful completion of Spanish 3A; a grade of C- or better is strongly recommended.**

**\*NCAA Approved Course**

**F66 Spanish 4A**

One Semester, Intermediate level of difficulty

Open to: 11<sup>th</sup> & 12<sup>th</sup>

On an advanced level, students will review and expand upon the listening, speaking, reading, and writing skills learned in Spanish 1A through 3B. These skills will be presented in practical and cultural contexts. Topics will include traveling and tourist tips, professions and future plans, environmental issues, hiking and camping, weather, athletic events, and art and music. This course is primarily conducted in Spanish.

**Graduation Requirement Code XEL**

**Prerequisite: Successful completion of Spanish 3B; a grade of C- or better is strongly recommended.**

**\*NCAA Approved Course**

**F66 Spanish 4B**

One Semester, Intermediate level of difficulty

**1/2 credit**

Open to: 11<sup>th</sup> & 12<sup>th</sup>

On an advanced level, students will review and expand upon the listening, speaking, reading, and writing skills learned in Spanish 1A through 4A. These skills will be presented in practical and cultural contexts. Topics will include health and wellness, exercise, personality traits and behaviors, jobs and volunteer work, professions and qualities of good employees, technology and inventions in the future. This course is primarily conducted in Spanish.

**Graduation Requirement Code XEL**

**Prerequisite: Successful completion of Spanish 4A; a grade of C- or better is strongly recommended.**

**\*NCAA Approved Course**

**F76 Spanish 5A**

One Semester, Advanced level of difficulty

**1/2 credit**

Open to: 12<sup>th</sup> only

On an advanced level, students will review and expand upon skills learned in Spanish 1A through 4B. This class will review all grammar concepts learned in past levels and establish a deeper understanding of the structure of the language. Class is conducted in Spanish only. Students will write in a daily journal, watch videos online to review grammar concepts for weekly quizzes, and complete a different presentation every week. Our goal is to apply the vocabulary and grammar from previous classes to be able to use Spanish only in writing and speaking.

**Graduation Requirement Code XEL**

**Prerequisite: Successful completion of Spanish 4B; a grade of C- or better is strongly recommended.**

**\*NCAA Approved Course**

**F76 Spanish 5B**

One Semester, Advanced level of difficulty

**1/2 credit**

Open to: 12<sup>th</sup> only

On an advanced level, students will review and expand upon the skills learned in Spanish 1A through 5A, including a significant increase in listening, speaking, reading, writing, and cultural activities. These skills will be presented in practical and cultural contexts. Topics will include archeological activities and sites, myths and legends, architecture and history of Spain, Spain and the Americas, caring for the environment, environmental issues and endangered animals, rights and responsibilities of citizens, and the roll of the government. This course is conducted primarily in Spanish.

**Graduation Requirement Code XEL**

**Prerequisite: Successful completion of Spanish 5A; a grade of C- or better is strongly recommended.**

**NCAA Approved Course**

**GERMAN**

**F34 German 1A**

**1/2 credit**

**1/2 credit**

One Semester, Basic level of difficulty      Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

While acquiring German vocabulary and basic grammatical structures, students will learn how to function appropriately in basic social and cultural situations. Various situations such as shopping, travel, sports, restaurant visits, family, school, and home form the focal point for developing listening, speaking, reading, and writing skills. **Graduation Requirement Code XEL**

**\*NCAA Approved Course**

**F34 German 1B**

One Semester, Basic level of difficulty      Open to:

Students will review and expand upon the listening, speaking, reading, and writing skills acquired in German 1A.

Students will study these skills in practical contexts such as clothing, shopping, helping at home, weather, free time, and food.

**Graduation Requirement Code XEL**

**Prerequisite: Successful completion of German 1A; a grade of C- or better is strongly recommended.**

**\*NCAA Approved Course**

**F44 German 2A**

**1/2 credit**

One Semester, Basic level of difficulty      Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Students will review and expand upon the listening, speaking, reading, and writing skills acquired through German 1B. Students will study these skills in practical contexts such as getting around town, films, music, literature, holidays, and festivals.

**Graduation Requirement Code XEL**

**Prerequisite: Successful completion of German 1B; a grade of C- or better is strongly recommended.**

**\*NCAA Approved Course**

**F44 German 2B**

**1/2 credit**

One Semester, Basic level of difficulty      Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Students will review and expand upon the listening, speaking, reading, and writing skills acquired through German 2A. Students will study these skills in practical contexts such as chores, gifts, photography and filming, architecture, travel accommodations, keeping fit, and healthy eating.

**Graduation Requirement Code XEL**

**Prerequisite: Successful completion of German 2A; a grade of C- or better is strongly recommended.**

**\*NCAA Approved Course**

**F54 German 3A**

**1/2 credit**

One Semester, Intermediate level of difficulty

Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Students will review and expand upon the listening, speaking, reading, and writing skills acquired through German 2B. Students will study these skills in practical contexts such as personal health, injuries, towns, houses, vehicles, clothing, and vacation.

**Graduation Requirement Code XEL**

**Prerequisite: Successful completion of German 2B; a grade of C- or better is strongly recommended.**

**\*NCAA Approved Course**

**F54 German 3B**

**1/2 credit**

**1/2 credit**

9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

One Semester, Intermediate level of difficulty

Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Students will review and expand upon the listening, speaking, reading, and writing skills acquired through German 3A. Students will study these skills in practical contexts such as automobiles and driving, television, international cuisine, cooking, vacation resorts, food, personal injuries, and errands.

**Graduation Requirement Code XEL**

**Prerequisite: Successful completion of German 3A; a grade of C- or better is strongly recommended.**

**\*NCAA Approved Course**

**F64 German 4A**

**1/2 credit**

One Semester, Intermediate level of difficulty

Open to: 11<sup>th</sup> & 12<sup>th</sup>

Students will review and expand upon the listening, speaking, reading, and writing skills acquired through German 3B. Students will study these skills in practical contexts such as European and German geography, city sights, family, transportation, games, and automobiles.

**Graduation Requirement Code XEL**

**Prerequisite: Successful completion of German 3B; a grade of C- or better is strongly recommended.**

**\*NCAA Approved Course**

**F64 German 4B****1/2 credit**

One Semester, Intermediate level of difficulty

Open to: 11<sup>th</sup> & 12<sup>th</sup>

Students will review and expand upon the listening, speaking, reading, and writing skills acquired through German 3B. Students will study these skills in practical contexts such as hiking and free time, school, jobs, health and nutrition, and sports.

**Graduation Requirement Code XEL****Prerequisite: Successful completion of German 4A; a grade of C- or better is strongly recommended.****\*NCAA Approved Course****F74 German 5A****1/2 credit**

One Semester, Advanced level of difficulty

Open to: 12<sup>th</sup> only

On an advanced level, students will review and expand upon the skills learned in German 1A through 4B, including a significant increase in listening, speaking, reading, writing, and cultural activities. These skills will be presented in practical and cultural contexts. Topics will include interpersonal relationships, the media, the military and civil service, etc. This course is conducted primarily in German.

**Graduation Requirement Code XEL****Prerequisite: Successful completion of German 4B; a grade of C- or better is strongly recommended.****\*NCAA Approved Course****F74 German 5B****1/2 credit**

One Semester, Advanced level of difficulty

Open to: 12<sup>th</sup> only

On an advanced level, students will review and expand upon the skills learned in German 1A through 5A, including a significant increase in listening, speaking, reading, writing, and cultural activities. These skills will be presented in practical and cultural contexts. Topics will include the environment, the arts, plans for the future, etc. This course is conducted primarily in German.

**Graduation Requirement Code XEL****Prerequisite: Successful completion of German 5A; a grade of C- or better is strongly recommended.****\*NCAA Approved Course****ESL-DS English As A Second Language-Directed Study****1/2 credit**

One Semester, Basic to Intermediate level of difficulty

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This is a course designed specifically for students whose first language is a language other than English. Students will acquire basic social and academic language skills through intensive grammatical, contextual, and cultural English instruction. Students will be exposed to a variety of listening, speaking, reading and writing exercises to enhance English Proficiency. Students will also receive support to ensure success in other academic areas. **Graduation Requirement Code: XEL**

**G BUSINESS SERVICES****G33 Computer Applications****1/2 credit**

One Semester, Basic to Intermediate level of difficulty 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>  
Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>  
This is a practical entry-level course that will cover computer basics, word processing and spreadsheets. Some online experiences will be incorporated. Students should be able to key at least 30 words per minute. **Graduation Requirement Code XEL**

**G34 Advanced Computer Applications** **1/2 credit**  
One Semester, Intermediate level of difficulty Open to:

This project-based course is ideal for the experienced computer student who likes to work independently. Students should be able to accurately key at least 40 words per minute. Projects using word processing, spreadsheets, databases and presentation software comprise the majority of this course. On-line experiences will also be incorporated. **Graduation Requirement Code XEL**

**G35 Web Page Design** **1/2 credit**  
One Semester, Intermediate level of difficulty Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This course will introduce students to the world of web design and web media, including graphic design concepts. This class will use the professional web design suite called Adobe CS4 and will involve a number of projects. Students will use Adobe Fireworks to create custom graphics and web layouts and then use Adobe Dreamweaver to organize their web sites and manage them. This course will also have an introduction to Flash animation.

**Graduation Requirement Code VPA**  
**Meets Requirement for Applied Arts**

**G36 Advanced Web Design** **1/2 credit**  
One Semester, Intermediate to Advanced level of difficulty Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Students in this class will create and maintain web sites for clubs, sports, and other community businesses while learning advanced concepts in web design.

**Graduation Requirement Code VPA**  
**Prerequisite: Successful completion of Web Page Design with a grade of "B-" or higher.**  
**Meets Requirement for Applied Arts**

**G54 Marketing & Sales** **1 credit**  
Two Semesters, Basic to Intermediate level of difficulty Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This class is designed as an introduction to the fields of Marketing and Management. After a review of the essentials of economics, students will be introduced to the principles of selling, advertising, customer relations, marketing research, and sports marketing. In addition to learning these concepts, students will have a chance to apply their knowledge in practical situations. Students will have the opportunity to be involved in the DECA Club. This class is highly recommended for college bound students considering a major in business.

**Graduation Requirement Code XEL**

**G56 Entrepreneurship/Buc Stop Operations IA** **1/2 credit**  
**G56 Entrepreneurship/Buc Stop Operations IB** **1/2 credit**

One Semester, Intermediate to Advanced level of difficulty

Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This class continues with advanced study of Marketing and Management. Students will be involved in the day-to-day operations of the school store, "The Buc Stop." This would include sales, inventory control, accounting and financial responsibilities, and distribution activities. Pricing and mathematical skills will also be covered. Students will have the opportunity to be involved in the DECA Club. **Graduation Requirement Code XEL**

**E84 Computer Programming 1/2 credit**

One Semester, Intermediate level of difficulty Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

A project-based introduction to JavaScript, jQuery, PHP, Ruby, HTML, and CSS. This course will assist students in becoming computer literate by identifying important concepts, principles and techniques related to computer programming and applications. This course also includes hands-on projects working with programming the Arduino controller board and Finch robot. **\*\*Designated as a final year math related course.**

**Graduation Requirement Code SME/ XEL**

**G84 Accounting I A & B 1 credit**

Two Semesters, Intermediate level of difficulty

Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

If you are considering a career in the business world or owning your own business, this is the course for you. Accounting I introduces students to the financial end of running a business. Students will study accounting principles and theory and cover the basic procedures in the accounting cycle. On-line working papers are used which allow for immediate feedback on work. Students will also be exposed to automated accounting through computer use on a daily basis. This course satisfies the senior math requirement. **\*\*Designated as a final year math related course. Graduation Requirement Code SME/ XEL**

**G86 Accounting II A & B 1 credit**

Two Semesters, Intermediate level of difficulty

Open to: 11<sup>th</sup> & 12<sup>th</sup>

A continuation in the study of accounting principles and theory. Some topics covered are depreciation, inventory control, and allowance for uncollectable accounts. Automated accounting projects are also included. This course satisfies the senior math requirement. **\*\*Designated as a final year math related course.**

**Graduation Requirement Code SME/XEL**

**Prerequisite: Accounting IA and IB**

**G85 iCreate360 1 credit**

Two Semesters, Intermediate-Advanced level of difficult.

Open to: 11<sup>th</sup> & 12<sup>th</sup>

Classroom, lab and online blended learning through three fields of study: Marketing, Accounting, and Product Design. During this year-long course, each week students rotate through the three subject areas with two days designed for offsite learning via field trips to local businesses and online learning at home. Each team of students presents a business plan that includes: Branding, creative marketing campaign, website/blog, finance, and product build.

**Meets graduation requirements for Applied Arts and Final Year Math Graduation**

**Requirement Code SME and VPA**

**G88 Business Math**

**1/2 credit**

One Semester, Intermediate level of difficulty

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This course will use math concepts and skills as they relate to areas of business such as bank services, taxes, payroll, retail and consumer credit. Students will also use Microsoft Excel to complete related tasks. A variety of group and individual projects will be completed. **\*\*Designated as a final year math related course. Graduation Requirement Code SME/XEL**



**V98 Work-based Learning (Co-op or Internship) A & B**

One Semester, Basic level of difficulty

**1 credit**

Open to: 11<sup>th</sup> & 12<sup>th</sup>

CREDIT AND TIME:

1. One Semester / 2 hours
2. May be taken each Semester for credit

Work-based Learning (Co-op) Students who are employed in the community can earn H.S. credit for their work experience. Students need to work an average of 15 hours per week to receive credit and must take and pass a related vocational course (Accounting, Marketing, Computer Applications, Web Design, or a Careerline Tech Center course) each semester they are enrolled in Work-based Learning

Work-based Learning (Internship) The purpose of this program is to give students exposure to an area they will be interested in as a career. Students need to report (usually non-paid) to their placement 10 hours per week. They must also complete a semester project that reflects what they have learned throughout the course. A “Community Teacher” supervises students in these positions. Placements are available in most career interest areas. Students must have a cumulative G.P.A. of 2.0 to apply for this program.

**Graduation Requirement Code XEL**

**I TECHNOLOGY EDUCATION**

Credit may be earned in any one category of arts. This requirement may be replaced by an additional language arts, world language, math, or science course.

**I30 Introduction to Engineering Design A & B**

Two Semesters, Intermediate Level of Difficulty

**1 Credit**

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Students use 3D solid modeling design software to create design solutions. Students study design concepts and use 3D printing technology to translate conceptual design into reproducible products.

**Graduation Requirement Code SME and VPA**

**Meets Requirement for Applied Arts and final year Math.**

**I32 Engineering Design & Development A & B**

Two Semesters, Intermediate Level of Difficulty

**1 Credit**

Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Project based second level engineering design course in which students will research, design, and construct a solution to an engineering problem. Students create intermediate level parts, intermediate level assemblies, and various production drawings using 3D solid modeling design software.

**Graduation Requirement Code VPA**

**Prerequisite: Introduction to Engineering Design A & B**

**Meets Requirement for Applied Arts.**

**I40 – Architectural Design A & B**

Two Semesters, Intermediate Level of Difficulty

**1 Credit (1/2 credit each)**

Open to: 11<sup>th</sup> & 12<sup>th</sup>

Students learn the process of designing a residential building from initial sketches to design development. Sustainable design will be incorporated into the design of the building. Using Building Information Modeling (BIM), students design an environmentally friendly, energy efficient dwelling.

**Graduation Requirement Code VPA**

**Meets Requirement for Applied Arts.**

<b>J</b>	<b>MUSIC</b>
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Credit may be earned in any one category of arts. This requirement may be replaced by an additional language arts, world language, math, or science course.

**J42 Beginning Guitar**

One Semester, Basic level of difficulty

**1/2 credit**

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This introductory class is designed for those students with little to no guitar playing experience. The course will concentrate on playing classical and folk styles. Students must have their own guitar. **This course will only be offered in Semester 2.**

**Graduation Requirement Code VPA**

**J44 Wind Ensemble A/B**

**1 credit (1/2 credit each)**

Two Semesters, Advanced level of difficulty

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Open, by audition, to those students with an advanced proficiency on a band instrument. Symphonic Band and Wind Ensemble members are expected to participate in marching band including: summer band camp, parade and show performances, as well as sectionals. After marching season, the marching band will divide and meet in a concert setting for the remainder of the school year. Objectives include the continuation of the development of correct playing habits, sightreading, performance standards, intonation and phrasing. This course will expect students to perform very challenging wind band literature. All bands participate in MSBOA festivals and other activities. In addition to traditional concerts, wind ensemble members will be required to participate with the symphony orchestra wind section as well as pep band at athletic events. Instructor will conduct spring auditions for fall placements. **Private lessons are highly recommended. Graduation Requirement Code VPA**

**J46 Symphonic Band A/B**

**1 credit (1/2 credit each)**

Two Semesters, Intermediate level of difficulty    Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Open, by audition, to those students with a reasonable to intermediate proficiency on a band instrument. Symphonic band members are expected to participate in marching band including: summer band camp, parade and show performances, as well as sectionals. After marching season, the marching band will divide and meet in a concert setting for the remainder of the school year. Objectives include the continuation of the development of correct playing habits, sight-reading, performance standards, intonation and phrasing. All bands participate in MSBOA festivals and other activities. In addition to traditional concerts, concert band members will be required to participate with the pep band at athletic events. Instructor will conduct spring auditions for fall placements.

**Private lessons are highly recommended Graduation Requirement Code VPA**

**J48 Color Guard**

**1/2 credit**

One semester, Intermediate to Advanced level of difficulty    Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Color Guard will be **offered first semester only** and is taken in conjunction with marching band. Extra rehearsals, outside of school, are required as well as participation at summer band camp. Members are selected by audition in the spring. Those students who are musicians and are signed up for band will continue in those courses after marching band.

**Graduation Requirement Code VPA**

**J50 Concert Band A/B****1 credit (1/2 credit each)**

Two Semesters, Basic to Intermediate level of difficulty

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Open, by audition, to those students with a reasonable proficiency on a band instrument. Students will be in a concert setting throughout the year. Objectives include establishing good fundamentals and raising practice and performance standards. All bands participate in MSBOA festivals and other activities. In addition to traditional concerts, concert members will be required to participate with the school pep band at athletic events. They may also augment the marching band for parade performances and may attend special functions. Instructor will conduct spring auditions for fall placements. **Graduation Requirement Code VPA Career Pathway 1**

**J52 Jazz Ensemble A/B****1 credit (1/2 credit each)**

Two Semesters, Intermediate to Advanced level of difficulty

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Enrollment is audition based. Interested students must obtain audition materials. Objectives include the continuation of the development of correct playing habits, sight-reading, performance standards, intonation, and phrasing with emphasis on improvisation development. This course will provide students exposure to various literatures through performance, including but not limited to Big Band, Blues, and Jazz. Instructor will conduct spring auditions for fall placements. **Graduation Requirement Code VPA**

**J54 Concert Orchestra A/B****1 credit (1/2 credit each)**

Two Semesters, Intermediate level of difficulty

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

All freshmen are required to be in Concert Orchestra.

Sophomores, juniors and seniors will be placed by auditions in the spring for fall placement.

Concert orchestra is in a traditional string orchestra setting throughout the year. Objectives include establishing good fundamentals, raising practice and performance standards, and learning good teamwork skills with a positive attitude to achieve excellence. Concerts include: Halloween, winter, Pre-Festival and spring, District/State Festival. Other activities include District/State Solo & Ensemble, special functions or concerts.

**Graduation Requirement Code VPA****J55 Symphony Orchestra A/B****1 credit (1/2 credit each)**

Two Semesters, Intermediate to Advanced level of difficulty

Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Open, by audition, to those students with advanced proficiency on any string instrument. Auditions take place in the spring for fall placement.

This orchestra performs very challenging music in a string and full orchestra setting. Objectives include the continuation of good technique, read and perform music at an advanced level, using good teamwork and leadership skills with a positive attitude to achieve excellence. Concerts include: Halloween, winter, Pre-Festival, District/State Festival, and spring. Other activities include: District/State Solo & Ensemble, after school rehearsals with winds for full orchestra setting, sectionals, and any special functions or concerts.

**Graduation Requirement Code VPA****J56 Chamber Orchestra A/B****1 credit (1/2 credit each)**

Two Semesters, Advanced level of difficulty

Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Open, by audition, to those students with advanced proficiency on any string instrument. Auditions take place in the spring for fall placement. Private lessons are strongly recommended.

This orchestra performs professional grade literature in a string and full orchestra setting.

Objectives include the continuation of good technique, read and perform music at an advanced level, using good teamwork and leadership skills with a positive attitude to achieve excellence.

Concerts include: Halloween, winter, Pre-Festival, District/State Festival, and spring.

Other activities include: District/State Solo & Ensemble, after school rehearsals with winds for full orchestra setting, sectionals, special functions, concerts and competitions.

**J62 Freshmen Chorale A/B**

Two Semesters, Basic level of difficulty

**1 credit (1/2 credit each)**

Open to: 9<sup>th</sup> only

The Freshmen Chorale consists of all freshmen (Soprano, Alto, Tenor, Bass). This choir will study and perform a variety of vocal music at concerts and festivals. Students will learn: healthy vocal technique, how to read music notation, music theory, cooperation skills, problem solving skills and goal setting to achieve high standards of excellence. No previous singing experience is necessary. Admittance is by assignment by a vocal music teacher. Concert/Performances include: Inauguration, CCR, fall, winter, District/State Choral Festival, & spring.

**Graduation Requirement Code VPA**

**J66 Women's Chorus A/B**

Two Semesters, Intermediate level of difficulty

**1 credit (1/2 credit each)**

Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Women's Chorus is a choir consisting of all women (Soprano, Alto). This choir will study and perform a variety of vocal music at concerts and festivals. Students will learn: healthy vocal technique, how to read music notation, music theory, cooperation skills, problem solving skills and goal setting to achieve standards of excellence. No previous singing experience is necessary. Admittance is by assignment by a vocal music teacher. Concert/Performances include: Inauguration, CCR, fall, winter, District/State Choral Festival, & spring.

**Graduation Requirement Code VPA**

Career Pathway 1

**J68 Chamber Choir A/B**

Two Semesters, Intermediate to Advanced level of difficulty

**1 credit (1/2 credit each)**

Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Chamber Choir is a mixed choir (Soprano, Alto, Tenor, Bass) that studies and performs a variety of vocal music. Students will learn: healthy vocal technique, how to read music notation, music theory, cooperation skills, problem solving skills and goal setting to achieve standards of excellence. Women must audition to become a part of this ensemble. Men wishing to sing without previous choral experience will need to meet with the director before being placed in the Chamber Choir. Concert/Performances include: Inauguration, CCR, fall, winter, District/State Choral Festival, & spring. Chamber Choir may perform at community events and school assemblies.

**Graduation Requirement Code VPA**

Career Pathway 1

**J70 Choral Ensemble A/B**

Two Semesters, Advanced level of difficulty

**1 credit (1/2 credit each)**

Open to: 11<sup>th</sup>, 12<sup>th</sup>

Choral Ensemble is a highly select mixed choir (Soprano, Alto, Tenor, Bass) of sixteen to twenty singers. Students learn advanced singing & performance techniques, to read music at an advanced level, historical music styles and techniques, music theory, cooperation skills, problem solving skills and goal setting to achieve standards of excellence. After school and evening performances may be extensive. Concert/Performances include: Inauguration, CCR, fall, winter, District/State Solo & Ensemble Festival, spring, Youth Arts Festival and 15-25 community performances a year. Admittance is by audition which will be held in the spring.

**Graduation Requirement Code VPA**

**Prerequisite: Two years of choir in grades 7-12**

**J72 Advanced Women's Ensemble A/B**

**1 credit (1/2 credit each)**

Two Semesters, Advanced level of difficulty

Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Advanced Women's Ensemble is a highly select women's choir (Soprano, Alto) of sixteen to thirty singers. Students learn advanced singing & performance techniques, to read music at an advanced level, historical music styles and techniques, music theory, cooperation skills, problem solving skills and goal setting to achieve standards of excellence. After school and evening performances may be extensive. Concert/Performances include: Inauguration, CCR, fall, winter, District/State Choral Festival, spring, and 15-25 community performances a year. Admittance is by audition which will be held in the spring.

**Graduation Requirement Code VPA**

**Prerequisite: Two years of choir in grades 7-12**

L      ART
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Visual/Performing or Applied Art

Requirement for graduation: 1 credit required (VPA)

**L44 Art and Design**

**1/2 credit**

One Semester, Basic level of difficulty

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This is a class that offers a variety of art experiences for the beginning art student. It is the prerequisite for all other courses in art. Learn basic drawing techniques & experiment with various art media. Be creative!

**Graduation Requirement Code VPA**

**Prerequisite for all art classes**

**L54 Drawing I**

**1/2 credit**

One Semester, Basic level of difficulty    Open to: 9<sup>th</sup> (2<sup>nd</sup> semester after

completing Art & Design)  
10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Basic drawing techniques from observation and imagination will be presented. These will include but are not limited to gesture, contour, perspective, and portrait drawing. Students will work with a variety of drawing media and keep a sketchbook of individual drawings. Students will be expected to participate in critiques of their artwork. **Graduation**

**Requirement Code VPA**

**Prerequisite: The student must have passed Art and Design**

**L56 Drawing II**

**1/2 credit**

One semester, Intermediate level of difficulty

Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This course will emphasize technical ability, composition and experimental techniques in more advanced drawing assignments. Students will demonstrate ability in a variety of drawing mediums and participate in critiques.

**\$10.00 Fee is due the first week of class.**

**Graduation Requirement Code VPA**

**Prerequisite: The student must have passed Art and Design and Drawing I**

**L64 Jewelry I**

**1/2 credit**

One Semester, Advanced level of difficulty

Open to: 11<sup>th</sup> & 12<sup>th</sup>

Jewelry I offers students the opportunity to create original art products using advanced techniques in jewelry making. Each project will involve an in-depth study of design and skill development with the medium being used. Projects may include wrap bracelets, beaded loom bracelets, wire and metal working.

**A \$30 Fee is due the first week of class.**  
**Graduation Requirement Code VPA**  
**Prerequisite: The student must have passed Art & Design**

**L65 Jewelry II**

**1/2 credit**

One semester, Advanced level of difficulty

Open to: 11<sup>th</sup> & 12<sup>th</sup>

Jewelry II is an advanced course for students who have an interest in creating original jewelry and are ready to take it to a higher level. Students will utilize more advanced construction techniques and develop their own. Students will apply these techniques in modern ways to make aesthetically pleasing pieces, in a more in depth study. Original, well-planned projects with high craftsmanship, aesthetic consideration and attention to detail are required.

**Prerequisite: The student must have passed Art and Design and Jewelry I**

**Class Fee: \$35.00**

**L66 Ceramics I**

**1/2 credit**

One Semester, Basic level of difficulty    Open to: 9<sup>th</sup> (2<sup>nd</sup> semester after

completing Art & Design)  
10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Ceramics I will include various ceramic hand building methods. Surfacing techniques will vary for each project including glaze pouring, glaze painting, resist methods, and staining. Ceramic appreciation and ceramic vocabulary/terminology will also be included.

**A \$25.00 Fee is due the first week of class.**

**Graduation Requirement Code VPA**

**Prerequisite: The student must have passed Art and Design**

**L67 Functional Ceramics**

**1/2 credit**

One Semester, Advanced level of difficulty

Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Class requirements include:

- a. Work on the potter's wheel
- b. Advanced level work in hand building techniques or combination of methods.
- c. Advanced surfacing and glazing techniques
- d. Glaze Chemistry/Glaze mixing
- e. Ceramic Appreciation

**\$25.00 FEE is due the first week of class.**

**Graduation Requirement Code VPA**

**Prerequisite: The student must have passed Art and Design and Ceramics I**

**L68 Sculptural Ceramics**

**1/2 credit**

One Semester, Advanced level of difficulty

Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This course will explore ceramics as a sculptural medium. Work will be produced in a variety of styles such as nonobjective, abstract, and realistic. Students will use a wide range of building and surfacing techniques. The focus for this class is on the non- functional expressive possibilities of clay.

**\$25.00 FEE due the first week of class**

**Graduation Requirement Code VPA**

**Prerequisite: The student must have passed Art and Design and Ceramics I**

**L77 Painting I**

**1/2 credit**

One Semester, Basic level of difficulty

Open to: 9<sup>th</sup> (2<sup>nd</sup> semester after completing Art & Design)  
10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Painting techniques will utilize acrylic paints, inks and watercolor. Students will learn various brush techniques, how to properly care for brushes, paints, papers, and prepare canvas and inks. Subject matter will cover a sampling of realism, abstract and non-objective work. Color study and the history of painting will be included.

**\$25.00 FEE due the first week of class**

**Graduation Requirement Code VPA**

**Prerequisite: The student must have passed Art and Design**

**L78 Painting II**

**1/2 credit**

One semester, Intermediate level of difficulty

Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This course offers students the opportunity to focus on more advanced techniques in painting and painting history. Specific skills in acrylic and watercolor painting will be explored.

**\$25.00 Fee due the first week of class.**

**Graduation Requirement Code VPA**

**Prerequisite: The students must have passed Art and Design and Painting I**

1/2 credit

**L88 Commercial Art**

One semester, Intermediate level of difficulty

Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Learn how to use Adobe Photo Shop software and traditional art mediums to design CD jackets, logos, posters, and to explore fashion and automotive and packaging design.

**Graduation Requirement Code VPA**

**Prerequisite: The student must have passed Art and Design**

**L93 Digital Photography**

1/2 credit

One Semester, Intermediate level of difficulty    Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

(9<sup>th</sup> graders 2<sup>nd</sup> Semester)

This introductory class in photography will include instruction on the use of the digital camera, camera phones, and printers. Students will learn how to enhance and manipulate photos using Adobe Photoshop. Emphasis will be on the composition of a variety of subjects including landscapes, portrait, action shots, photo restoration, abstraction, and still life. An SLR CAMERA is highly recommended for the class, although lessons can be completed with lesser digital cameras and smart phones.

\$25.00 fee for digital printing paper, ink cartridges, matt boards, card readers, flash drives, cables, and various supplies.

**Graduation Requirement Code VPA**

**Prerequisites: The student must have passed Art and Design - SLR camera, \$25.00 fee due by the 2<sup>nd</sup> week of class.**

**L99 Advanced Art Portfolio    \*\*\*Offered Odd Years Only\*\*\***

1/2 credit

One semester, Advanced level of difficulty

Open to: 11<sup>th</sup> & 12<sup>th</sup>

Serious, self-motivated, advanced art students will create pieces to be included in a portfolio of work. Course of study may include: Painting, Drawing, Sculpture, Ceramics, Photography, Graphics, and Jewelry. Critical thinking and personal evaluation will be encouraged.

**Graduation Requirement Code VPA**

**Art Instructor Signature Required**

**Prerequisite: Students must have successfully completed Art and Design and three other art courses. Signed Teacher Approval is required.**

**Individualized Materials Fee**

**M      PHYSICAL EDUCATION DEPARTMENT**

**Requirement for graduation: 1.0 credit required (MPE) (.5 PE Credit/.5 Health Credit)**

P.E. Academic Requirement

Course must include content on both Health and Phys. Ed.

The aim of physical education is to give students the knowledge, skills, and confidence they need to continue improving their physical performance and fitness and to realize that attaining and maintaining good health is for a lifetime. Students will be asked to set their own short and long-term fitness goals and develop strategies for attaining those goals. These goals are: Physical Development, Social Development, Emotional Development, Recreational Development, and Intellectual Development.

All physical education classes (except Health) may be taken more than one semester for credit.



1/2 credit

Open to:

**M38 Women's Health and Fitness**

One semester, Basic to Intermediate level of difficulty 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This class is designed for women who are interested in participating in a variety of activities that will positively influence their health, well-being and fitness levels. Many activities will focus on real world connections and lay the ground work for future physical education classes and an active life-style beyond high school. Activities include: hiking, biking, yoga, Pilates, body sculpting, badminton, volleyball, swimming, soccer, tennis, softball, Zumba, and nutrition. **Graduation Requirement Code MPE**

**M41 Trail Running**

1/2 credit

One semester, Basic level of difficulty

Open to: 11<sup>th</sup> & 12<sup>th</sup>

This course is unique as it will meet off campus daily. Students will experience the many incredible local parks (ex: Hofma Park, Duncan Woods, Kirk Park, Downtown Boardwalk and Rosy Mound) and areas to run throughout Grand Haven. Not a runner? No problem, beginners are encouraged to come and try this course as a majority of students want to get in shape and need a little assistance.

**Graduation Requirement Cod MPE**

**Please contact Coach Richardson with any questions. richardsonj@ghaps.org**

**M42 Triathlon Training**

1/2 credit

One Semester, Basic to Intermediate level of difficulty

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This co-ed, spring semester class is designed for those students interested in competing in a sprint distance triathlon. Students don't need any prior triathlon experience or training. Participants in this class will be able to train at the level they feel is best for them. The class is best suited for the beginner or intermediate triathlete. Students will practice swimming, running and biking as they progress toward the June Lake Macatawa Triathlon. In addition to the three disciplines mentioned above, students will learn about nutrition and weight training as it relates to triathletes. Workouts will begin at low levels and increase as the semester progresses. ALL students will be automatically entered into the Lake Macatawa Triathlon and are required to compete in it unless there is an injury or sickness that prevents their participation.

**Graduation Requirement Code: MPE**

**M43 Introductory Physical Education**

1/2 credit

One semester, Basic level of difficulty

Open to: 9<sup>th</sup> & 10<sup>th</sup>

This course will meet the graduation requirement for all students. The purpose of this class is to expose all students to the wide variety of offerings in the Physical Education Department and to incorporate fitness activities into a lifelong commitment to fitness. Running, Weight Training, Plyometrics, Agilities and many other Team Sport activities will be introduced to students. Students will be running two days a week, in the fitness center one day a week and playing a sport the other two days. Classes will encompass cardiovascular fitness, muscular fitness, muscular endurance, flexibility, body composition, skill development, and strategy techniques. **Graduation Requirement Code MPE**

**M46 Team Sports**

1/2 credit

One semester, Intermediate level of difficulty

Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

**1/2 credit**

Open to:

This semester long course consists of the following: Air Force Football, Volleyball, Soccer, Basketball, Badminton, Floor hockey, Softball, and Ultimate Frisbee. This class will allow the student the opportunity to improve their skills, to maintain a moderate level of fitness, and to develop stress reduction techniques through the enjoyment of participating in sports with others..

**Graduation Requirement Code MPE**

**M48 Intro to Weight Training**

One semester, Basic level of difficulty

9<sup>th</sup>

This course will improve student athletes' power and endurance for their athletic seasons. Athletes will weight train three days a week and work on cardiovascular activities the other two days. **Graduation Requirement Code MPE**

**M53 Zero Hour Weight Fitness**

**1/2 credit**

One Semester, Basic level of difficulty

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This class is for the student that wishes to use weight training as the core to his/her personal fitness program. After an introduction to weight fitness, the student will develop a program that encourages balanced fitness while emphasizing the personal needs and wants of the student. This course will consist of two days of weight work and three days of various activities.

**Graduation Requirement Code MPE**

**M55 Fitness Training**

**1/2 credit**

One semester, Basic to Intermediate level of difficulty

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This class will focus on total body conditioning and fitness workouts. Students will be running off campus multiple days a week in all weather conditions. Participants are graded on effort not ability as they will be training for a road race at the end of the marking period.

**Graduation Requirement Code MPE**

**Contact Coach Richardson is you have any questions. [richardsonj@ghaps.org](mailto:richardsonj@ghaps.org)**

**M58 Yoga/Cardio Conditioning and Introduction to Physical Education**

**1/2 credit**

One semester, Intermediate to Advanced level of difficulty

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This class combines yoga, along with cardio workouts such as boot camp in the weight room, Insanity, P90X, T25, and other body sculpting activities. Students will benefit by strengthening core muscle groups and increasing flexibility, balance, and energy levels. This class will also introduce students to a variety of sports such as volleyball, badminton, soccer, ultimate Frisbee and tennis.

**Graduation Requirement Code MPE**

**M66 Weight Fitness**

**1/2 credit**

One semester, Basic to Intermediate level of difficulty

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This class is for the student that wishes to use weight training as the core to his/her personal fitness program. After an introduction to weight fitness, the student will develop a program that encourages balanced fitness while emphasizing the personal needs and wants of the student. The intensity of the program can vary from sport specific weight training (football, basketball, volleyball, track, etc.) or purely as a personal fitness program. Flexibility drills, aerobic activities,

**1/2 credit**

Open to:

plyometrics and running will be used as supportive fitness activities. Student responsibilities will include but not be limited to keeping a weight training logbook, muscle identification, strength and fitness testing. **Graduation Requirement Code MPE**

### **M68 Advanced Weight Training**

One semester, Advanced level of difficulty

11<sup>th</sup> & 12<sup>th</sup>

Advanced Weight Training is a personal fitness class that emphasizes athletic weight training and more thorough conditioning programs. Heavier weights, Olympic lifts, speed school and power routines will be used in the weight room. plyometrics, aerobics agility, quickness and speed drills will be used to develop a core fitness program. Student responsibilities will include but not be limited to: weight training logs, personal nutrition logs, fitness pre/post testing, and Google Classroom assignments.

**Graduation Requirement Code MPE**

**Prerequisite: Must have successfully completed weight fitness and have P.E. teacher recommendation.**

**Contract Coach Richardson if you have questions. [richardsonj@ghaps.org](mailto:richardsonj@ghaps.org)**

### **M68ABL/BBL Advanced Weight Training Online Blended Learning**

**1/2 credit**

One semester, Advanced level of difficulty

Open to: 11<sup>th</sup> & 12<sup>th</sup>

Advanced Weight Training is a personal fitness class that emphasizes athletic weight training and more thorough conditioning programs. Heavier weights, Olympic lifts, speed school and power routines will be used in the weight room. plyometrics, aerobics agility, quickness and speed drills will be used to develop a core fitness program. Student responsibilities will include but not be limited to: weight training logs, personal nutrition logs, fitness pre/post testing, and Google Classroom assignments.

\*\*\*This section is offered in a blended learning format and will be offered either at the beginning of the day or at the end of the day. Students will attend class face-to-face with their teacher and class cohort three days per week. Two days per week class work will be completed outside of school. Students may work from home on those days or attend class and work independently online. Students will need their own online access and Chromebook.

**Graduation Requirement Code MPE**

**Prerequisite: Must have successfully completed weight fitness and have P.E. teacher recommendation.**

**Contract Coach Richardson if you have questions. [richardsonj@ghaps.org](mailto:richardsonj@ghaps.org)**

### **M70 Advanced Weight Fitness II-Boys**

**1/2 credit**

One semester, fall, Advanced level of difficulty

Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This class will give sport specific strength training, pre-testing, agility-speed-plyometric-quickness-stretching programs and technical skill work. This class is designed to make the student-athlete the best he can be. The emphasis is maximum strength, cardiovascular, body control-efficiency and skill improvement for the individual student. The emphasis of the work areas will change as to whether the athlete is pre-season, in-season or post-season and as to the number of sports they participate in. **Note:** The workouts will be instructor controlled. This is NOT a Personal Fitness Class. This will be Athletic Training for Varsity Quality Athletes.

**Graduation Requirement Code MPE**

**Prerequisite: Department Chairperson approval with coach's recommendation**

### **M72 Advanced Weight Fitness III-Boys**

**1/2 credit**

One semester, spring, Advanced level of difficulty

Open to: 9<sup>th</sup>, 10<sup>th</sup> & 11<sup>th</sup>

**1/2 credit**

Open to:

This class will give sport specific strength training, pre-testing, agility-speed-plyometric-quickness-stretching programs and technical skill work. This class is designed to make the student-athlete the best he can be. The emphasis is maximum strength, cardiovascular, body control-efficiency and skill improvement for the individual student. The emphasis of the work areas will change as to whether the athlete is pre-season, in-season, or post-season and as to the number of sports they

participate in. **Note:** The workouts will be instructor controlled. This is NOT a Personal Fitness Class. This will be Athletic Training for Varsity Quality Athletes.

**Graduation Requirement Code MPE**

**Prerequisite: Department Chairperson approval with coach's recommendation**

**M75 Advanced Functional Conditioning & Training**

**1/2 credit**

One semester, Advanced level of difficulty

Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This semester long course, taught by the Varsity Basketball Coaches, is designed to teach functional strength and conditioning to interested students. This course will be offered both in the fall, and spring (NEW) of each school year. This course is designed for the serious student-athlete to improve their overall agility, cardiovascular endurance, quickness, balance, strength, injury prevention, and fitness. Exercises will be HIGH INTENSITY functional movements for various varsity athletics, including (but not limited to) on-court running, sprinting, lateral movement, medicine ball exercises, and weight lifting.

**Pre-Requirement – Advanced approval signature from Katie Kowalczyk-Fulmer or Greg Immink**

**M80 Outdoor Education**

**1/2 credit**

One semester/2 consecutive class hours, Basic to Intermediate level of difficulty

Open to: 12<sup>th</sup> only

Come experience a very unique approach to physical education as you challenge yourself physically and mentally. The majority of the course takes place off campus and will expose you to resources right here in the greater Grand Haven area. Topics of instruction may include: trust and team building activities, low and high ropes, land based kite boarding, trail building, trail maintenance, mountain biking, hiking, back packing, kayaking, canoeing, hunter's safety, paintball, orienteering, land navigation, rock climbing, scuba, cross country skiing, downhill skiing, sledding, First aid and CPR. Specific Outdoor Education activities will be dependent on which semester you are enrolled in. As an example, the fall semester will cover survival and self-sufficiency, the winter semester will focus as much as possible on snow and winter related activities. Students enrolled in Outdoor Education can expect to spend the majority of their time outside in all kinds of weather. The class continues through rain, snow and most precipitation in between. If you have further questions or concerns you are encouraged to check out an Outdoor Education DVD from student services and make an appointment to speak with Mr. Warner to be sure you are a good fit for this course. **Graduation Requirement Code MPE**

**Due to the costs of numerous field trips, an activity fee of \$175.00 is required for enrollment.**

**M81 Outdoor Education – Snow Pro**

**1/2 credit**

One semester, Basic to Intermediate level of difficulty

Open to: 11<sup>th</sup> & 12<sup>th</sup>

**(This course will be offered every other year based on interest and funding)**

You will learn every aspect of running a small-scale ski/snowboard resort. Most daily class sessions will be at the Mulligan's Hollow Ski Bowl. You **MUST** have some experience as a skier or snowboarder. One criteria for successful completion of the class is passing a Level 1 professional teaching certification in either skiing or snowboarding. We will also cover the following topics: Pre-season maintenance, facility set-up, snow making, budget and fundraising, technical on snow skills, terrain park design and building, lead children lessons as offered by Ski Bowl and other components that relate to learning what make a small ski/snowboard resort run. There will also be numerous guest speakers and a field trip to Cannonsburg Ski resort. **Class Fee is \$175.00.** Class limit 25. You are required to volunteer 3 hours outside of school hours to help run special events under Mr. Warner's direction. Please see Mr. Warner with questions/concerns.

**Graduation Requirement Code MPE**

**M95 Health**

**1/2 credit**

One Semester, Intermediate level of difficulty

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This course is designed to not only provide knowledge in various health areas, but also to guide students in mastering the skills **to use the knowledge** they obtain, to create personal meaning of knowledge, and to distinguish between reliable knowledge and knowledge based on bias, misunderstanding, or desire for personal gain. To introduce concepts, students will first focus on essential life skills they will need to use in order to be contributing members of society and develop an overall well-being. In addition, students will study social and emotional health, nutrition, safety, alcohol and drug abuse, personal health and wellness. Students will write, present ideas to the class, collaborate, set goals, and advocate for themselves.

**Graduation Requirement Code MPE**

<b>N MISCELLANEOUS</b>
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**N52 Teaching Assistant**

**1/2 credit**

One Semester, Basic to Intermediate level of difficulty

Open to: 11<sup>th</sup> & 12<sup>th</sup>

Students enrolled in this course will receive instruction in teaching methods, classroom management, grading procedures and strategies used in the classroom. Then they will be sent out to work in classrooms at the elementary, middle school or high school level to put their knowledge to use. Students will be graded on class assignments, time spent at placements, and will be evaluated by a "Community Teacher."

**Graduation Requirements Code XEL**

**Prerequisite: minimum 2.0 grade point average**

**N53 LINKS**

**1/2 credit**

One semester, Basic to Intermediate level of difficulty

Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

(9<sup>th</sup> grade POPS participants  
(with approval from POPS  
advisor)

LINKS is a course designed to give students hands-on experience, working with students with an Autism Spectrum Disorder (or in some cases another disability). A student enrolled in LINKS will be a mentor, role model, and friend to a student with ASD. He/She will assist the student in such things as being a meaningful member of a pair or group, appropriate classroom behavior, organization of assignments and supplies, and focusing on classroom instruction. The LINKS student will be with his/her assigned student every day in their assigned class to help them socially, academically, behaviorally and with independence skills. Students will be expected to complete assignments and readings outside of class to gain a greater understanding of Autism Spectrum Disorders and other disorders. Assignments and projects will be designed for application of that knowledge. The LINKS student will also attend case conferences to discuss progress of hi/her assigned student, and contribute ideas on how to more effectively help their student progress. Various activities and opportunities to socialize in and out of school will be planned for each semester. The LINKS class assists students in their consideration of a career in the Human Services Career Pathway. The course will count as a general elective **Graduation Requirement Code XEL Prerequisite: None**

**Application and Approval required for enrollment. See Mrs. Nutt in Room 1106 to pick up an application packet.**

**N58 Library Media Assistant**

**1/2 credit**

One Semester, up to a total of one year, Basic level of difficulty

Open to: 11<sup>th</sup> & 12<sup>th</sup>

In the Library Media course, students are learning marketable job skills, as well as information skills, which will help them with school projects and continuing education. This program also provides opportunities to improve problem-solving, technology, and communication skills as students assist in providing library media services. Students will acquire the information literacy skills necessary to access, evaluate, use, and communicate information. This course offers assistants the opportunity to understand and appreciate the value of libraries in our society, to value volunteerism, and become

aware of career options in librarianship and information science. **See Ms. Klinger in the Media Center for application.**  
**Graduation Requirement Code XEL**

**N80 Teen Leadership**

**1/2 credit**

One semester, Basic level of difficulty

Open to: 9<sup>th</sup> only

Teen Leadership is a program that develops leadership, professional, and business skills in order to help students reach their fullest potential in life and help others to reach theirs. They learn to develop a healthy self-concept, healthy relationships, and understand personal responsibility. They discover emotional intelligence and the skills it measures, including self-awareness, self-control, self-motivation, and social skills. Students will engage in public speaking while building their communication and personal image skills. They will develop an understanding of the effects of peer pressure and methods to counteract those effects as well as problem-solving skills. Students will also develop an awareness of the need for vision and goal setting, both personally and professionally.

**Graduation Requirement Code XEL**

<b>S SPECIAL EDUCATION</b>
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The Special Education Department offers programs and services for those students who qualify as having a handicapping condition under IDEA.

Selection of courses is made by the student, parent, teacher, and guidance counselor. Students who are eligible, or who feel they may be eligible for special education service, should contact a special education teacher, guidance counselor, or administrator before making schedule decisions.

**S20 MERIT English Language Arts 9/10 A & B**

**1 Credit**

Two Semesters, Basic level of difficulty

Open to: 9<sup>th</sup> & 10<sup>th</sup>

This special education course focuses on the areas of reading, writing, and speaking. Students will learn various strategies to enhance their skills in each of these areas. A variety of texts will be used to teach these skills including at least one novel or informational text, and student choice selections. Students will learn and use the writing process (prewriting, drafting, editing and final submission) to complete at least one essay based on the class novel/informational text. This course is only for students with an IEP on a PC.

**Graduation Requirement Code: PC/TBD**

**S21 MERIT Basic Math 9/10 A & B**

**1 credit**

Two Semesters, Basic level of difficulty

Open to: 9<sup>th</sup> & 10<sup>th</sup>

This mathematics course is designed to give students a basic understanding of mathematic concepts and operations. The class will start with concepts such as place value and numeration before moving in to more complex skills. To encourage understanding and motivation, students will be presented with problem solving exercises that relate a concept to everyday situations. An emphasis is placed on mastering basic concepts that are necessary for success in life at school, at home and in the work place. This course is only for students with an IEP on a PC. **Graduation Requirement Code: PC: TBD**

**S22 MERIT English Language Arts 11/12 A & B**

**1 credit**

Two Semesters, Basic level of difficulty

Open to: 11<sup>th</sup> & 12<sup>th</sup>

This Special Education course is an extension of MERIT ELA 9/10. Areas of study include reading, writing, and speaking.

Students will extend their knowledge and use of strategies to enhance skills in these areas within real life situations. A variety of texts will be used including novels, newspapers, media, informational texts, and others. Writing will include essays and other life-application texts. This course is only for students with an IEP on a PC. **Graduation Requirement Code: PC/TBD**

**S23 MERIT Basic Math 11/12 A & B**

**1 credit**

Two Semesters, Basic level of difficulty

Open to: 11<sup>th</sup> & 12<sup>th</sup>

This mathematics course is designed to give students comprehensive coverage of basic math skills needed for everyday living. This class will help prepare students with the problem solving skills needed for independent living. Topics covered include: Home Improvement, Adjusting Recipes,

Spending & Earning Money, Interest and Insurance. Each skill presented will be emphasized with opportunities to apply the skill in practical situations. This course is only for students with an IEP on a PC. **Graduation Requirement Code: PC/TBD**

**S24 MERIT Community Focus**

**1/2 credit**

One semester, Basic level of difficulty

Open to: 9<sup>th</sup> & 10<sup>th</sup>

MERIT Community Focus will give students an opportunity to learn about how to become involved in the local tri-cities community. Students will learn about the businesses, resources and activities available to them in the Grand Haven, Ferrysburg and Spring Lake area. The class will also involve addressing some of the transition needs of students directly in our own community. This special education course is only for students with an IEP on a PC. **Graduation Requirement Code: PC/TBD**

**S25 MERIT Social Skills A & B**

**1/2 credit**

18 Weeks, Basic level of difficulty

Open to: 9<sup>th</sup> & 10<sup>th</sup>

In MERIT Social Skills students learn how to better their interactions with peers and adults. Three focus areas for the course are Empathy and Communication, Bully Prevention and Emotion Management. Students also get practice with setting and following through on self-created goals. Students learn these skills through a variety of activities including hands-on skills practice, group discussions and use of multi-media applications. This special education course is only for students with an IEP on a PC.

**Graduation Requirement Code: PC/TBD**

**S26 MERIT Michigan History**

**1/2 credit**

One semester, Basic level of difficulty

Open to: 9<sup>th</sup> only

This course explores Michigan's history and Michiganders love affair with the state. Areas of study include: Michigan's physical formation, the first settlers, cities and villages, industries, state parks, automotive, local history, and various other topics related to Michigan. This course is only for students with an IEP on a PC. **Graduation Requirement Code: PC/TBD**

**S27 MERIT US History A & B**

**1 Credit**

Two Semesters, basic level of difficulty

**MERIT Students only**

This course is the study of the United States in the 20<sup>th</sup> century from 1880 to the present. It will be studied through the lens of an American, and focus on our interactions with the world and how this shapes our American experience. This course is only for students with an IEP on a PC. This is a graduation requirement. **Graduation Requirement Code: PC-TBD**



**S28 MERIT Economics**

One Semester, basic level of difficulty,

**1/2 Credit**  
**MERIT students only**

Economics is the study of choices and decisions people make about how to use the world’s resources. This class will introduce students to the basics of economics, such as economic systems, supply and demand, market structures, money and banking, financial markets, business cycles, and economic indicators. Students will also study the government’s role in the economy and the global economy. This class will include projects such as a stock market simulation. This course is only for students with an IEP on a PC. This course is required for graduation for students in the MERIT Program. **Graduation Requirement Code: PC-TBD**

**S29 MERIT Government**

One Semester, Basic Level of difficulty

**1/2 Credit**  
Open to: 11<sup>th</sup> & 12<sup>th</sup>  
**MERIT students only**

The goal of this course is active engagement as citizens in our community. In addition to active discussion about politics, students in this course may conduct a trial, participate in an election, debate in a legislature, and complete other hands-on assignments. The role of service in the community and the rights and responsibilities of citizenship are emphasized. A semester project will be a part of each class. This course is only for students with an IEP on a PC. This course is required for graduation for students in the MERIT Program.

Graduation Requirement Code: PC-TBD

**S30 LCCE HEALTH**

One Semester, Basic level of difficulty

**1/2 credit**  
Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This course provides units on nutrition, exercise, human reproduction, first aid, accident prevention, money management, job hunting, substance use and abuse. Students will experience direct instruction, group and individual activities, field trips, guest speakers, videos, and problem solving activities.

Graduation Requirement Code XEL

**S31 LCCE English Language Arts A & B**

Two Semesters, Basic level of difficulty

**1 credit**  
Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Through the LCCE Language Arts curriculum students will understand their responsibilities in communicating with others by effectively developing their reading and writing skills.

**Graduation Requirement Code XEL**

**S33 LCCE Social Studies – Geography**

One Semester, Basic level of difficulty

**1/2 credit**  
Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This is a special education geography course designed to give students life skills for living in Grand Haven and surrounding communities

**Graduation Requirement code XEL**

**S34 LCCE Science**

One Semester, Basic Level of Difficulty

**1/2 Credit**  
Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, & 12<sup>th</sup>

This course is designed to provide students with real-life application in the sciences. Students will gain a basic understanding of the scientific method and how we use it in our day to day lives. They will study topics spanning Life Science, Earth Science, and Physical Science.

**S35 LCCE Math A & B                      1 credit**

Two Semesters, Basic level of difficulty                      Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This is a special education math class that teaches math skills through daily living activities.

**Graduation Requirement Code XEL**

**S38 Resource Pre-Vocational Education**

**1/2 credit**

One Semester, up to one year, Basic level of difficulty

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

The emphasis is to learn skills needed in the world of work. Students will study, learn and practice the following units: interests and aptitudes, forms needed for jobs, job training opportunities, how to find jobs, applying and interviewing for a job, holding a job, salaries, fringe benefits and unions.

Activities include field trips, job shadowing, mock interviews, guest speakers and videos.

**Graduation Requirement Code EM1**

**S39 CBT Enclave A & B**

**1 credit**

One Semester, up to one year, Basic level of difficulty

In district site based vocational training.

**Graduation Requirement Code XEL**

**S50 Resource Work Experience**

**1/2 credit**

One Semester, up to one year, Basic level of difficulty

Open to: 11<sup>th</sup> & 12<sup>th</sup>

This course is for students who benefit from a non-traditional classroom setting. It is also to gain volunteer work experience within the school setting. Students are working with maintenance staff in the cafeteria following lunches. Students clean, break down, and prepare the cafeteria for the following day. **Graduation Requirement Code XEL**

**S51 Resource Community Site Based Vocational Training A, B**

**1 1/2 credit**

One Semester, up to one year, Basic level of difficulty

Open to: 11<sup>th</sup> & 12<sup>th</sup>

Students are placed at a variety of local businesses to be trained in specific job skills and to learn employability skills. Student trainees are regularly supervised by school personnel.

**Graduation Requirement Code XEL**

**Prerequisite: LCCE Pre-Vocational Ed**

**S40 Resource ACT Prep**

**1/2 credit**

One Semester

Open to: 11<sup>th</sup> only

This course is designed to assist special education students in preparation for the MME/ACT test with accommodated testing. (Extended time, audio DVD, assistive technology, etc.). Students will learn and practice test taking strategies as well as practice taking the test with their accommodations.

**Graduation Requirement Code XEL**

**S41 Resource Language Arts 9 A & B**

Two Semesters, Basic level of difficulty

**1 credit**

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This course is comparable to English 9 A & B. The focus of this course is writing and literature. Students can expect to read and write short stories, read a novel and develop MLA research skills. Students can also expect to read The Odyssey, Romeo and Juliet, and informational text as well as analyze various forms of poetry and contemporary novels. Video and audio tapes will also be used.

**Graduation Requirement Code BE1**

**S42 Resource Language Arts 10 A & B**

Two Semesters, Basic level of difficulty

**1 credit**

Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This course is comparable to American Literature and Composition A & B, in which students develop skills in reading and literature interpretation, as well as skills in organizing and writing well-constructed essays. The students will become familiar with common themes in American literature such as the individual's role in relation to the government, integrity, equality, dreams and visions. Contemporary novels, reading informational text, and video/audio tapes will be used.

**Graduation Requirement Code BAL**

**Prerequisite: Must have passed Resource Room Language Arts 9**

**S43 Resource Language Arts 11 A & B**

Two Semesters, Basic level of difficulty

**1 credit**

Open to: 11<sup>th</sup> & 12<sup>th</sup>

This course is comparable to World Literature and Composition A & B. The focus of this course is on contemporary issues through literature in Asia, Africa, Europe, and South America. Contemporary novels, reading informational text, and video/audio tapes will be used. Graduation Requirement Code B11

**Prerequisite: Must have passed Resource Language Arts 9 and 10**

**S44 Resource Algebra I A & B** (Applications, Equations and Graphs)

Two Semesters, Basic level of difficulty

**1 credit**

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>  
per IEPC

This course involves math in real-life applications. Students will make connections to Algebra, learn properties of real numbers, solve and graph linear equations and functions as well as write, solve and graph linear inequalities in Section A. Section B provides opportunities to write, solve and graph systems of equations and inequalities, work with exponents and functions, quadratic and rational equations, factoring polynomials and a power unit. This is a required course for high school graduation and is for Special Education students only. **Graduation Requirement Cod EM1**

**S46 Resource Math Geometry A & B (Apply, Reasoning and Measuring)**

Two Semesters, Basic level of difficulty

**1 credit**

Open to: 10<sup>th</sup> & 11<sup>th</sup>

This course involves math in real-life applications. Students will learn basic geometry using reasoning and proofs with properties of lines, triangles and quadrilaterals in Section A. Section B covers transformation of shapes, similarities in shapes, trigonometry functions, area, surface area and volume of 3 dimensional objects. This is a required course for high school graduation and is for Special Education students only.

**Graduation Requirement Code EM2**

**NCAA Approved Course**

**Prerequisite: Successful complete of Algebra A & B**

**S56A Resource Algebra II A**

One Semester, Basic level of difficulty

**1/2 credit**

Open to: 11<sup>th</sup> & 12<sup>th</sup> per IEPC

This is an individualized Special Education course that will cover the Power Expectations of Algebra II at a slower pace. Part A will review concepts taught in Algebra I and build skills to solve systems of equations with two or more variables. Graduation Requirement **Code EM2.**

**Prerequisite: Successful completion of Algebra I & Geometry**

**S56B Resource Algebra II B** 1/2 credit

One Semester, basic level of difficulty Open to: 11<sup>th</sup> & 12<sup>th</sup> per IEPC

This course will be a combination of algebraic processes and practices, organizing and displaying data through projects and developing a personal strategy of money management and investment.

Graduations Requirement EM2

Prerequisite: Successful completion of Algebra I, Geometry & Algebra IIA

**S45 Resource Consumer Math**

One Semester, Basic level of difficulty

**1/2 credit**

Open to: 11<sup>th</sup> & 12<sup>th</sup>

This is a foundation class in mathematics. Addition, subtraction, multiplication, division, decimals, percentages and fraction operations are utilized with the use of a calculator. However, the content of this class utilizes these functions through the everyday skills of: earning money, buying food, shopping for clothing, managing a household, buying and maintaining a car, working with food, traveling, budgeting, banking, investing, paying taxes and preparing for a career.

**Graduation Requirement Code: EME**

**S48 Resource World Studies**

Two Semesters, basic level of difficulty

**1 Credit**

Open to: 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This course will explain how geography, civics and economics affected major events in history. Major topics/objectives covered will be the impact of Geography; development of government; trade and economics; development of religion and ethnic groups; social organizations and culture in areas and time; conflicts, wars, revolutions, and their impact; global connections. This course is only available to students on an IEP. Graduation Requirement Code XEL

**S52 Resource Room Transition Planning**

One Semester, Basic level of difficulty

**1/2 credit**

Open to: 11<sup>th</sup> & 12<sup>th</sup>

Transition planning is a partnership involving students, families, school and post school service personnel, local community representatives, and employers. This course will help promote movement from school to post school activities, including post- secondary education, vocational training, employment, adult services, independent living or community participation.

**Graduation Requirement Code XEL**

**S49 Resource Directed Study – ASD**

**S54 Resource Directed Study**  
One Semester, up to one year, Basic level of difficulty

**1/2 credit**

**1/2 credit**

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Individualized instruction may be given in some of the following areas:

- study techniques
- composition and editing skills
- organizational skills
- report writing (including citing of works)

-time management and bibliographical entries)  
-reading comprehension -mathematics instruction  
-prewriting -social skills  
-problem solving -goal setting  
-proficiency test preparation -transition  
Students **will be** required to keep an assignment book  
and get weekly progress reports. Graduation  
Requirement Code XEL

**S60 Categorical Language Arts EI A & B**

**1 credit**

Two Semesters, Basic level of difficulty

Open to: 9<sup>th</sup>, 10<sup>th</sup> 11<sup>th</sup> & 12<sup>th</sup>

Individualized Language Arts class is designed to improve student's abilities in the areas of reading, writing, comprehension, oral language, and grammar. The course offers a wide variety of activities and many opportunities to work alone and in a variety of group sizes. The goal of this class is to offer support while students work at their own pace and choose from an assortment of activities that interest them. The students will be reading novels, writing a variety of stories and reports, and working on the parts of speech along with the writing mechanics. This course will hopefully encourage students to read and write for enjoyment. **Graduation Requirement Code BEL**

**S61 Categorical Math EI A & B**

**1 credit**

Two Semesters, Basic level of difficulty

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

The instruction in this class begins at the instructional level of the student. The teacher determines this level at the beginning of the school year. Each student determines the pace of the class based on their mastery of the subject. Topics taught include Pre-Algebra, Algebra I, and Geometry.

**Graduation Requirement Code EME**

**S64 Categorical Directed Study – EI**

**1/2 credit**

One Semester, up to one year, Basic level of difficulty

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Individualized instruction may be given in some of the following areas:

-study techniques -composition and editing skills  
-organizational skills -report writing (including citing of works  
-time management and bibliographical entries)  
-reading comprehension -mathematics instruction  
-prewriting -social skills  
-problem solving -goal setting  
-proficiency test preparation –transition

Students **will be** required to keep an assignment book  
and get weekly progress reports.

**Graduation Requirement Code XEL**

**S70 Categorical Language Arts ASD A & B**

**1 credit**

Two Semesters, Basic level of difficulty

Open to: 9<sup>th</sup>, 10<sup>th</sup> 11<sup>th</sup> & 12<sup>th</sup>

Individualized Language Arts class is designed to improve student's abilities in the areas of reading, writing, comprehension, oral language, and grammar. The course offers a wide variety of activities and many opportunities to work alone and in a variety of group sizes. The goal of this class is to offer support while students work at their own pace and choose from an assortment of activities that interest them. The students will be reading novels, writing a variety of

stories and reports, and working on the parts of speech along with the writing mechanics. This course will hopefully encourage students to read and write for enjoyment. **Graduation Requirement Code BEL**

**S71 Categorical Math ASD A & B**

Two Semesters, Basic level of difficulty

**1 credit**

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

The instruction in this class begins at the instructional level of the student. The teacher determines this level at the beginning of the school year. Each student determines the pace of the class based on their mastery of the subject. Topics taught include Pre-Algebra, Algebra I, and Geometry.

**Graduation Requirement Code EME**

**S74 Categorical Directed Study ASD**

**1/2 credit**

One Semester, up to one year, Basic level of difficulty

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

Individualized instruction may be given in some of the following areas:

- study techniques -composition and editing skills
- organizational skills -report writing (including citing of works
- time management and bibliographical entries) -
- reading comprehension -mathematics instruction
- prewriting -social skills -problem solving -goal setting
- proficiency test preparation -transition

Students **will be** required to keep an assignment book and get weekly progress reports.

**Graduation Requirement Code XEL**

**S75 Categorical Independent Living A & B**

Two Semesters, Basic level of difficulty

**1 credit**

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This classroom offers five major areas of learning: independent living, vocational skills, community integration, and cognitive skills. The overall objective is to increase independence for the student in his/current and future living environment. This includes personal health care, housekeeping, shopping, cooking, and job skills. **Graduation**

**Requirement Code XEL**

**S69 Targeted Instruction**

One Semester, up to one year, Basic Level of Difficulty

**1/2 Credit**

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, and 12<sup>th</sup>

This course is designed to utilize small group and individualized instruction to work on specific IEP goals and objectives. It is completely individualized based on the needs of the students in the class.

**S89 Adaptive Physical Education**

One Semester, Basic level of difficulty

**1/2 credit**

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This is a Physical Education class for special education students who are earning a certificate of completion. **Graduation Requirement Code XEL**

**S90 Adaptive Exploratory Arts**

One Semester, Basic level of difficulty

**1/2 credit**

Open to: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>

This course is a combination of Art and Culinary Arts.

It provides opportunities for students to explore different areas of artistic expression such as cultural art, different art movements throughout history, and individual artists. It will also provide instruction to help students to independently prepare simple meals by following a recipe, learn kitchen safety and sanitation, different food groups, and explore careers in this area. Students will experience direct instruction, group and individual activities, field trips, and guest speakers when appropriate, videos, and problem solving.

## V CAREERLINE TECH CENTER

One year, Intermediate level of difficulty **3 Credits**

Open to: 11<sup>th</sup> & 12<sup>th</sup>

Careerline Tech Center provides career education to juniors and seniors in high school and offers the opportunity for students to gain skills and/or prepare for post-secondary education in one of 23 programs. Tech Center classes are free. Programs are offered Monday through Friday and students attend for a half-day either in the morning or the afternoon. Interested students and parents can get more information on Careerline Tech Center by visiting the website at [www.oaisd.org/ctc](http://www.oaisd.org/ctc).

While Tech Center credit is earned as electives, most Tech Center programs offer students the opportunity to receive academic credit (Final Year Math, 3rd Year Science, Visual/Performing Arts, and On-line Learning).

Careerline Tech Center's 24 programs are organized by pathways, broad groupings of careers that share similar characteristics and whose employment/education requirements call for many common interests, strengths, and competencies.

**Graduation Requirement Code: XEL**

### **APPLICATION PROCEDURE:**

-Fill out a Careerline Tech Center application. Application available on line.-Discuss a program choice with parents and obtain parent/guardian signature.

-Turn in the application to Student Services and meet with your counselor.

-It is strongly recommended that students attend a tour of the Careerline Tech Center. A tour open to all students will be scheduled during the second half of the school year.

Selection for a program will depend on a number of factors including: date application is submitted, attendance and academic readiness, level of interest and counselor interview.

Check the program offerings following this page.

### **SPECIAL PROGRAMS:**

The Careerline Tech Center offers many opportunities for additional experiences. <http://www.oaisd.org/ctc/programs/>  
**(control + click on link to see the programs offered at the Careerline Tech Center)**

### **APPRENTICESHIP**

Possibilities to earn apprenticeship hours while still in school.

### **CO-OP**

Earn high school credit while working in a field related to your program of study.

## **ARTICULATION/COLLEGE CREDIT**

By successfully completing Tech Center coursework, advanced standing or college credit may be available from GRCC, FSU, MCC, Baker College, Lake Michigan College, St. Clair County Community College, and Davenport University. More details can be obtained by contacting the Tech Center Student Services or one of the high school counselors.

## **WORK EXPERIENCE**

Many programs offer 2 to 6 weeks non-paid work experiences to qualified students for the purpose of providing the working world perspective.

## **ADDITIONAL INFORMATION:**

Please contact your counselor or the Careerline Tech Center Student Services office for more information on any of the following areas:

Curriculum-specific topics and teaching methods in a program.

Placement statistics

Tours and observations of the Tech Center or Specific programs.

Open House - held every February!

\*\*\*Academic credits are also available in Math and English through some Tech Center Programs.

## **Careerline Tech Center Programs V99**

Auto Body Repair

Automotive Technology

Building Tech/Construction Management

Business Management

Certified Nurse Aid (CNA)

Cosmetology

Culinary & Pastry Arts

Dental Careers

Diesel/Heavy Equipment Mechanics

Electrical/Alternative Energy

Emergency Medical Services

Engineering Design & Machine Technologies

Entrepreneurship & Global Business

Environmental & Agricultural Sciences

Graphic Design

Healthcare Foundations

Healthcare (Advanced)

Mechatronics/Robotics

Media Communications

PC & Network Technologies

Plumbing & Water Systems

Printing/Graphic Arts

Public Safety & Security Services

Teacher Academy

Web & Game Development

Welding

## **WORK READINESS PROGRAM**

Automotive Services