

Green High School

Curriculum Guide and Course Descriptions

Fall 2016

Registration for courses is a very important part of a student's education experience. Constant care and consideration must be given to selecting the schedule that will best prepare the student for his/her post-high school plans. This guide has been developed for the use of students, parents, teachers and counselors to aid in the selection of the proper course of study. Hopefully, it will help to answer some of the many questions that will arise as you make your decisions. For further assistance, please contact the Green High School Counseling Department at 330- 896-7545.

It is the policy of the Green Local School District that educational programs and activities are provided without regard to race, color, national origin, sex or handicap.

TABLE OF CONTENTS	PAGE
Advanced Placement Courses	11
Air Force JROTC	43-44
AIR Assessments, End of Course Exams, Testing	11
Athletic Eligibility	8
Awards and Honors	6-7
Business Courses	40
College Credit Plus (CCP)	12-15
College Preparation	8
Computer Courses	41
Credit Flexibility	10
Credit Policy	4
Family and Consumer Science Courses	42
Grading Scale/Policy	4
Graduation Requirements	2-3
Language Arts Courses	16-18
Mathematics Courses	19-21
NCAA Approved Course List	9
Performing Arts Courses	34-35
Physical Education & Health	36-37
Physical Education Waiver	8
Portage Lakes Career Center	10, 45-48
Schedule Change Policy	8
Science Courses	22-24
Social Studies Courses	25-27
Special Education Courses	32-33
Telecommunication Courses	42
Visual Arts Courses	38-39
World Language Courses	28-31

GREEN HIGH SCHOOL GRADUATION REQUIREMENTS

1. It is the policy of the Green Board of Education to require 23 credits to be eligible for graduation. Within the 23 credits, students must successfully complete the following:
 - ◆ 4 credits of English/Language Arts
 - ◆ 4 credits of Math (these must include one credit of Algebra 2 or its equivalent)
 - ◆ 4 credits of Science (these must include at least 1 credit of life science and 1 credit of physical science)
 - ◆ 4.5 credits of Social Studies (these must include 1 credit of American History, .5 credit of Financial Literacy and 1 credit of Government)
 - ◆ .5 credit Physical Education (unless excused by a physician or completion of Physical Education Waiver)
 - ◆ .5 credit Health
 - ◆ 1 credit or two .5 credits from: Business/Technology, Fine Arts, or World Language
 - ◆ All students must complete two semesters of fine arts taken any time in grades 7-12. Students who complete a PLCC program are exempt for the fine arts requirement.
2. Students must take end-of-course exams in the following subjects: Algebra I, Geometry, Biology, American History, American Government, English I (Language Arts 9) and English II (Language Arts10).
3. Students must meet ONE of the following:
 - A. Earn a cumulative passing score of 18 points on seven end-of-courses exams with a minimum of:
 - 4 points in Math
 - 4 points in English/Language Arts
 - 6 points in Science & Social Studies
 - B. Earn a remediation-free score on a nationally recognized college admission exam (ACT or SAT). The State of Ohio will pay the exam fee for all 11th grade students in the class of 2018 and beyond.
 - C. Earn a State Board of Education-approved, industry-recognized credential or state-issued license for practice in a career and achieve a score that demonstrates workforce readiness and employability on job skills assessment.

STANDARDS FOR STUDENTS WHO WISH TO ATTEND PORTAGE LAKES CAREER CENTER

It is recommended that a student must have 11 credits to attend the PLCC. If a credit deficiency exists, the student must receive permission from the administration of the PLCC and Green High School and make arrangements to make up deficiencies at summer or night school. Students wishing to attend the PLCC should meet the requirements listed below in their first two years at Green High School:

- ◆ 2 credits English/Language Arts
- ◆ 2 credits Science
- ◆ 2 credits Math
- ◆ 2.5 credits Social Studies
- ◆ .5 credit Physical Education (or Physical Education Waiver)
- ◆ .5 credit Health

GRADUATION REQUIREMENTS FOR STUDENTS ENROLLED AT PORTAGE LAKES CAREER CENTER **DURING THEIR JUNIOR AND/OR SENIOR YEAR**

1. It is the policy of the Green Board of Education to require 23 credits to be eligible for graduation.
A total of 16.5 credits as listed below and the remaining six and one-half (6.5) credits can be earned in the student's vocational training, additional academic credits at the PLCC or electives earned at Green High School. Students will be required to earn satisfactory grades in vocational training and all academic classes needed in order to be eligible for the State of Ohio Vocational Certificate.
 - ◆ 4 credits of English/Language Arts
 - ◆ 4 credits of Math (these must include one credit of Algebra 2 or its equivalent)
 - ◆ 3 credits of Science (these must include at least 1 credit of life science and 1 credit of physical science)
 - ◆ 3.5 credits of Social Studies (these must include 1 credit of American History, .5 credit of Financial Literacy and 1 credit of Government)
 - ◆ .5 credit Physical Education (unless excused by a physician or Physical Education Waiver)
 - ◆ .5 credit Health
 - ◆ 1 credit or two .5 credits from: Business/Technology, Fine Arts, or World Language
2. Students must take end-of-course exams in the following subjects: Algebra I, Geometry, Biology, American History, American Government, English I (Language Arts 9) and English II (Language Arts 10).
3. Students must meet ONE of the following:
 - A. Earn a cumulative passing score of 18 points on seven end-of-courses exams with a minimum of:
 - 4 points in Math
 - 4 points in English/Language Arts
 - 6 points in Science & Social Studies
 - B. Earn a remediation-free score on a nationally recognized college admission exam (ACT or SAT). The State of Ohio will pay the exam fee for all 11th grade students in the class of 2018 and beyond.
 - C. Earn a State Board of Education-approved, industry-recognized credential or state-issued license for practice in a career and achieve a score that demonstrates workforce readiness and employability on job skills assessment.

CREDIT POLICY

In order to receive a passing grade and credit for a course, a student must:

1. Take the final examination
2. Earn a final mark of D - or better
3. Make up all incompletes within 5 week days following the conclusion of the course.

The principal may grant an extension to #3 above if extenuating circumstances exist. Failure to meet the above conditions will result in a failing grade for the course.

CREDITS EARNED OUTSIDE OF GREEN HIGH SCHOOL

Students considering enrollment at night or summer school, must have the principal's written approval prior to registering for a course.

GRADING SCALE AT GHS

All staff will use the following grading scale:

Letter Grade	Percentage Range	College Prep Quality Points	Honors Courses Quality Points	Advanced Placement Quality Points
A+	98-100	4.33	4.83	5.33
A	93-97	4.00	4.50	5.00
A-	90-92	3.67	4.17	4.67
B+	87-89	3.33	3.83	4.33
B	83-86	3.00	3.50	4.00
B-	80-82	2.67	3.17	3.67
C+	77-79	2.33	2.83	3.33
C	73-76	2.00	2.50	3.00
C-	70-72	1.67	2.17	2.67
D+	67-69	1.33	1.33	1.33
D	63-66	1.00	1.00	1.00
D-	60-62	.67	.67	.67
F	Failing	0	0	0

GHS GRADING POLICY

At GHS, grades are computed for classes using the 80/20 policy. In each class, 80% of a student's grade is based on academic achievement scores, and 20% of the student's grade reflects practice scores.

Green High School Schedule Changing Guidelines:

In order to provide the greatest opportunity for students to schedule appropriately and to maximize instructional time, the following guidelines have been established for schedule changes.

1. The last day of school (of the previous school year) will be the deadline to initiate schedule changes. Students and parents will receive a confirmation of scheduled classes in late May. Families should use this notification to review their student's schedule and request changes when appropriate.
2. Schedule corrections will only be performed after the deadline in the following circumstances:
 - a. A course that was on the student's selection sheet has been omitted.
 - b. A course is scheduled that the student had not selected.
 - c. Too many or too few courses are scheduled.
 - d. Lunch is not scheduled.
 - e. Student has not met the prerequisite of a course.
 - f. Students have completed/not completed a course in summer school.
3. Schedule changes from one course to a more or less difficult one within a content area can be requested the tenth day of school and in accordance with the following:
 - a. After the 10th day of school and through the first interim, students may request to change to a different level of course. Student/parent initiated changes will not be honored after the 5th week of school.
 - b. All requests must be made in writing to the student's counselor bearing the student's signature, as well as a parent signature, and the signature of the teacher from whom the student is transferring.
 - c. If there is a disagreement among the academic team (student, parent, teacher, counselor), a conference with a principal will be scheduled.
 - d. All changes under this circumstance are also subject to seat availability.
 - e. Teacher initiated changes may be made through the 2nd grading period.
 - f. Grades accumulated in the course from which the student transfers will be given to the teacher of the course in which the student enrolls. Accumulated grades will be transferred to the new course and used in calculating the grade in the new course.
 - g. Schedule change requests in this capacity will not be honored for students who have failed to appropriately participate in classroom activities, school offered tutoring, and/or failed to complete assignments.
4. In specific hardship circumstances, students may request a schedule change after the last day of school deadline. Students must complete the "Extraordinary Circumstances Schedule Change Request" within the first 10 days of either semester. This form is available in the School Counseling office and online. The request will be reviewed and presented to the GHS Department Chairs for consideration.

Green High School Awards and Honors

DISTINGUISHED SCHOLAR AWARD

Special recognition is granted to students who meet the Distinguished Scholar criteria:

- ◆ 4 Credits of English/Language Arts
- ◆ 4.5 Credits of Social Studies (must include American History, World Studies, Financial Literacy and Government)
- ◆ 4 Credits of Science (must include two of the following: Chemistry, Physics or Anatomy)
- ◆ 4 Credits of Math (must include one of the following: Pre Calculus or Calculus)
- ◆ 3 Credits of World Languages or two credits each of two languages
- ◆ 1 Credit Visual or Performing Arts
- ◆ A minimum grade point average of 3.2

DIPLOMA WITH HONORS CRITERIA

The State Board of Education's Diploma with Honors seal shall be awarded to any student who meets at least seven (7) of the eight (8) criteria listed below.

College Prep:

- ◆ 4 units of English/Language Arts
- ◆ 4 units of Math (Algebra I, Geometry, Algebra II or equivalent, and another higher level course)
- ◆ 4 units of Science (must include Physics and Chemistry)
- ◆ 4 units of Social Studies
- ◆ 3 units of World Languages, including at least 2 units of each language studied
- ◆ 1 unit of Fine Arts (Art, Music, Drama)
- ◆ Seventh semester GPA of 3.5 or higher
- ◆ ACT composite score of 27 or SAT score of 1210 (excluding writing score)

Vocational Students:

- ◆ 4 units of English/Language Arts (may include 1 unit in communications)
- ◆ 4 units of Math (Algebra I, Geometry, Algebra II or equivalent in applied math, and another higher level course)
- ◆ 4 units of Science (must include Physics and Chemistry)
- ◆ 4 units of Social Studies
- ◆ Electives- 4 units of Career-Tech
- ◆ Seventh semester GPA of 3.5 or higher
- ◆ Achieve proficient benchmark established for appropriate Ohio Career-Tech Comp Assessment.
- ◆ ACT composite score of 27 or SAT score of 1210(excluding writing score)

Senior Awards and Recognitions

TOP 25 STUDENTS OF GRADUATING CLASS

These students will be recognized at a dinner along with their honored educator and their parents. Students are identified as top 25 based on their ranking at the end of their 7th semester in high school. This banquet began in 1998 and is sponsored by Park Auto Group.

ACADEMIC WALL OF FAME

Students who meet the following criteria will have their picture hung on the Academic Wall of Fame:

GPA at the end of their 8th semester of 3.8 or higher and a composite score of 30 on the ACT or a composite score of 1350 on the SAT

(Any student who receives National Merit Finalist standing will automatically qualify.)

HONOR CORDS

Graduating seniors will receive honor cords for the following:

Distinction	Cord Color
National Honor Society	Gold
Wall of Fame	Burgundy
Cum Laude (GPA 3.50 – 3.74)	Orange
Magna Cum Laude (GPA 3.75 – 3.99)	White / Black
Summa Cum Laude (4.00 and above)	Purple

VALEDICTORIAN / SALUTATORIAN

The valedictorian will be the student who has the highest GPA at the end of the 8th semester. In the case of a tie there will be co-valedictorians.

The salutatorian will be the student with the second highest GPA. In the case of a tie there will be co-salutatorians. If there was a tie for valedictorian, the next highest GPA will be the salutatorian.

Students speaking at graduation will be the two highest GPA's (valedictorian & salutatorian). If there are any ties, all individuals will speak.

The valedictorian(s) and the salutatorian(s) will receive medallions at graduation presented to them by the Superintendent of Green Local Schools.

GREEN HIGH SCHOOL ACADEMIC ELIGIBILITY

To be academically eligible for participation in co-/extracurricular activities, a student must abide by the following:

1. Students will need to meet academic eligibility requirements as outlined by the Ohio High School Athletic Association (OHSAA). This requires passing grades (the previous grading period) in a minimum of five one-credit courses or the equivalent, which counts toward graduation.
2. In addition to the OHSAA eligibility requirements, the Green Board of Education has implemented the GPA requirement of 2.0. Those athletes that have a GPA below a 2.0 must enroll in the Green Academic Assistance Program (G.A.A.P). The G.A.A.P. program will be required for the following GPA's:
GPA of 1.5-1.99 will require 4 hours of G.A.A.P. tutoring per week.
GPA of 1.0-1.49 will require 6 hours of G.A.A.P. per week.
GPA below 1.0 will be declared ineligible
3. IEP students must meet this standard in all adjusted coursework or comply with specifications of IEP.
4. Students who receive an incomplete may be ineligible until they meet the academic standard outlined above.
5. Summer school grades earned may not be used to substitute for failing grades or lack of coursework from the last grading period of the regular school year.
6. In order for a student to be eligible to participate in an extracurricular activity, they must be in attendance for the **last half** of the school day that the event will be played on.
7. It is the student's responsibility to select a course schedule which meets eligibility requirements.

PHYSICAL EDUCATION WAIVER

Students who have participated in interscholastic athletics, marching band, or cheerleading/dance team for at least two (2) full seasons or the Junior Reserved Officer Training Corps (JROTC) program for two years as defined in the Green High School Student Handbook, while enrolled in grades 9 through 12, and as documented by the Green High School Administration, may be excused from the high school physical education requirement. Students electing such an excuse shall complete one-half (1/2) unit of at least sixty (60) hours of instruction in another course of study which is designated by the Board as meeting the high school curriculum requirements. (GLS Board Policy 5460 Graduation Requirements)

PREPARING FOR COLLEGE

Green High Schools' graduation requirements provide excellent preparation for future college curriculum. Keep in mind that colleges consider final grades from coursework taken in grades 9 – 12 when making admission and scholarship decisions. Students who plan on attending a college/university should pay close attention to the minimum recommended college preparatory program below:

Minimum Recommended College Preparatory Program

English	4 credits (emphasis on composition)
Mathematics	4 credits (A mathematics course should be taken during the senior year)
Science	3 credits (at least one laboratory course)
Social Studies	3 credits
World Language	2 or 3 credits
Visual/Performing Arts	1 credit (art, choir, theory, appreciation, speech, drama, photography, industrial arts, drawing)

These requirements are subject to change and will vary from one college or university to another and from one major to another. Students not following these recommendations will continue to be admitted but, most likely, will be given diagnostic testing to determine whether or not deficiencies exist. If deficiencies are revealed, students would be expected to make them up in addition to their regular degree program – usually within the first year of studies.

NCAA LIST OF APPROVED CORE COURSES

ENGLISH	SOCIAL SCIENCES	MATHEMATICS	SCIENCE	ADDITIONAL
Language Arts 9	American History	Algebra 1A	Biology 1A	French 1
Language Arts 10	Modern World History	Geometry 3A	Enviro. Science 4A	French 2
Language Arts 11	Psychology/Sociology	Algebra 1	Physical Science 1A	French 3
Language Arts 12	Street Law	Algebra 2	Anatomy	French 4
Honors LA 9	Government	AP Statistics	AP Environmental	French 5
Honors LA 10	Honors Amer. History	Calculus	Science	AP French
Honors LA 11	AP World History	AP Calculus	Astronomy/Meter.	German1
AP Lang. & Comp	AP Government	Geometry	Biology 1	German 2
AP Lit & Comp	Amer. Government 4A	Honors Geometry	Biology 2	German 3
Language Arts 1A	American History 1A	Honors Algebra 2	Chemistry	German 4
Language Arts 2A	AP European History	Honors Pre-calculus	AP Chemistry	Spanish 1
Language Arts 3A		Pre- calculus	Ecology	Spanish 2
Language Arts 4A		Statistics	General Physics	Spanish 3
Journalism		Trigonometry	Honors Chemistry	Spanish Grammar
Shakespeare			Honors Physics	AP Prep
Study of Film			AP Biology #	Spanish 4/Mexico
Sports in Lit/Media			Honors Anatomy#	Spanish 4/ World
Fund. Speech/Argu			Bio Apps #	AP Spanish
			Earth Science #	

#currently going through NCAA approval process

IMPORTANT: Students should register with NCAA Eligibility Center (Clearinghouse) during the summer between their Junior and Senior year. (ncaa.org)

The NCAA has adopted new legislation that will require prospects who intend to enroll at NCAA Division I and Division II institutions to supply ACT or SAT scores to the Clearinghouse directly from the testing agencies. **Test scores on an official high school transcript will no longer be accepted for NCAA purposes.**

NAIA

Students who wish to participate in athletics at a member institution will need to be certified by the NAIA Eligibility Center to qualify academically and be cleared as an eligible student athlete for competition. For more information, visit:

playnaia.org/page/process.php

GREEN HIGH SCHOOL/PORTAGE LAKES CAREER CENTER

GHS and the PLCC work very closely to provide students with the best possible preparation for post secondary employment, further vocational training, junior college or college admission. Besides the traditional two-year program at PLCC, Green High School students can also find other programs to suit their needs. Some of these may require the students to attend a class at PLCC during the course of the day or the program might be offered at GHS and become a part of the normal GHS student's regular day. Hopefully with this cooperation between the two institutions, students will graduate from GHS and be prepared for their next important step into the world of work or further education.

Portage Lakes Career Center: Admission Procedures

- A. All Green students who demonstrate the ability and interest to attend the Career Center are encouraged to submit an Application for Admission to the School.
- B. Applications for Admission can be submitted the following ways:
 - a. Apply online at www.plcc.edu.
 - b. Download Application for Admission at www.plcc.edu. Application may be mailed (Portage Lakes Career Center, 4401 Shriver Road, Uniontown, OH 44685), faxed (330-896-8297), or returned to home school counselors' office.
 - c. Obtain Application for Admission at home school counselors' office. Application may be mailed (Portage Lakes Career Center, 4401 Shriver Road, Uniontown, OH 44685), faxed (330-896-8297), or returned to home school counselors' office.
 - d. Obtain Application for Admission from Portage Lakes Career Center Admissions Coordinator at 330-896-8250 or telliott@plcc.edu.
- C. Applications received by March 15 from students meeting the admission requirements will be considered for selection.
Applications received after March 15 will be considered a late application and will be processed as follows:
 - a. Placed into the program if there is an opening.
 - b. Placed on the waiting list for programs that have been filled.
 - c. Considered for placement until the second Friday after the opening day at the Career Center.
- D. After submitting an application, it is necessary for the student to officially withdraw his/her application if the decision is made to not attend the Career Center.

CREDIT FLEXIBILITY

In accordance with Senate Bill 311 passed in 2007, The Green Local Board of Education has adopted a plan enabling students to earn units of high school credit based on demonstrating subject area competency instead of, or in combination with completing hours of classroom instruction. Students may earn credits through any combination of the following: Completion of coursework, testing out or otherwise demonstrating mastery, or through completion of a locally approved personal learning plan. Students and parents should seek information about these options from their school counselor. Complete Credit Flexibility documentation can be accessed at www.greenlocalschools.org/ghs (see Academic Information) on the School Counseling Department webpage.

AIR ASSESSMENTS, END-OF-COURSE EXAMS AND STANDARDIZED TESTING

AIR & EOC ASSESSMENTS: All students must take End Of Course (EOC) exams along with AIR assessments. AIR and EOC assessments will be given to students in the following courses:

English I (Language Arts 9), English II (Language Arts 10), Algebra I, Geometry, Biology, American History and Government. The points earned through EOC assessments are part of the graduation requirements beginning with the class of 2018. For more information on Ohio's latest updates regarding graduation requirements and testing, visit the Ohio Department of Education's website at education.ohio.gov.

STANDARDIZED TESTS: While the high school record of grades and curriculum are the most important factors in the admissions decision, most colleges and universities require test scores from one of two nationally standardized tests: Scholastic Aptitude Test (SAT) or American College Test (ACT). If students are not certain about the colleges to which they will seek admission, it is possible to take both tests, asking that the scores be submitted to the colleges being considered. No college will require both tests. All colleges in Ohio will accept the results of the ACT. ACT's College Readiness Benchmarks are the minimum ACT test scores required to have a high probability of success in credit-bearing college courses. These benchmarks are: English - 18, Mathematics - 22, Reading – 21, Science Reasoning - 24

Beginning with the class of 2018, the State of Ohio will pay the fee for all 11th grade students to take the exam one time.

A preparation test is offered for a fee: The PSAT is a practice SAT. Juniors taking the PSAT are eligible to qualify for recognition through the National Merit Scholars Program.

GREEN HIGH SCHOOL ADVANCED PLACEMENT OFFERINGS

The following AP Courses will be available to students at Green High School based on enrollment. Any student enrolled in an AP course will be required to take a final exam in April and the AP test in May. There is a fee for the AP Test. Any questions about financial responsibility or assistance pertaining to the test should be directed to his or her school counselor. Please note: AP courses will only be offered if a minimum number of students request the course.

AP American History, AP Art History, AP Biology, AP Calculus, AP Chemistry, AP Environmental Science, AP European History, AP Government, AP Language and Composition, AP Literature & Composition, AP Spanish, AP Statistics, AP World History

College Credit Plus Program

The College Credit Plus program (CCP) gives high school students the opportunity to obtain college credits and to apply those credits to a high school diploma. Tuition, materials and textbooks are provided at no cost to the students.

Students in grades 9-12 may participate if they meet the university requirements.

Green High School has agreements with Stark State University, The University of Akron, Kent State Main and Kent State Stark.

Students have several options for taking classes:

1. Dual Enrollment where classes are taught at GHS by college instructors
2. Distance Learning where classes are taught by college instructors through projected technology at GHS
3. Classes on the university campus.

Students and parents are REQUIRED to attend a CCP meeting held at GHS , follow all university application requirements for admission and request to have transcripts sent.

Given the extensive College Credit Plus options offered at GHS, students have the opportunity to design and earn 15, 30, and 64 credit hour pathways in dual enrollment courses. These pathways include a 1 year certificate or an associate degree in Entrepreneurial Studies from Stark State College through our Young Entrepreneurship Consortium. Advanced Placement courses should also be considered as a part of a student's dual enrollment pathway planning. For more detailed information regarding the GHS College Credit Plus Program, please see our Green High School webpage.

Secondary Options at GHS

All students taking the following CCP classes must apply and be accepted by either the University of Akron, Stark State College or Kent State (Main or Stark) in order to enroll in these classes.

DISTANCE LEARNING

(Classes taught at the University of Akron and transmitted via technology to GHS)

3700: 100 Government and Politics in the United States (AKRONDL5) 4 college hours

Examination of the American political system with emphasis on fundamental principles, ideas, institutions, and the processes of modern government. Lecture and discussion sessions (day classes only).

3750: 100 Introduction to Psychology (AKRONDL1) 3 college hours

Introduction to scientific study of behavior, survey of physiological basis of behavior, sensation and perception, development, learning and cognition,, personality, social interaction and other selected topics.

3850: 100 Introduction to Sociology (AKRONDL2) 4 college hours

Basic terminology, concepts and approaches in sociology, including introduction to analysis of social groups and application of sociological concepts to the understanding of social systems. Required of majors. Lecture/discussion.

UNIVERSITY OF AKRON COURSES TAUGHT AT GHS

The following are taught by GHS staff who are adjunct professors at the University of Akron. Students must be accepted by the University of Akron in order to register for these classes.

DUAL ENROLLMENT CLASSES

3300: 111 English Composition I (AKRONDE1) **3 college hours**

Extensive and varied experiences in developing writing skills, with practice in expressive, reflective, and analytic forms of writing.

3300: 112 English Composition II (AKRONDE2) **3 college hours**

Designed to develop skills in analyzing and writing persuasive arguments. 111 English Composition 1 required.

7600: 105 Introduction to Public Speaking (AKRONDE5) **3 college hours**

Introduction to principles and practice of speaking by reading examples of speeches, studying techniques and methods employed and applying them in a variety of speaking situations.

7600: 106 Effective Oral Communication (AKRONDE3) **3 college hours**

Principles of communication in speaker-audience group and informal settings. The application of principles in speeches, group discussions and other oral and written assignments.

KENT STATE MAIN COURSES TAUGHT AT GHS

The following are taught by GHS staff who are adjunct professors at Kent State Main . Students must be accepted by Kent State Main in order to register for these classes.

DUAL ENROLLMENT CLASSES

PHY 13001: General College Physics I (KENTM1) **4 college hours**

PHY 13021: General College Physics I Lab (KENTM2) **1 college hour**

This is an algebra based course. Upon successful completion of this course 5 credit hours through Kent State University for college physics I and college physics I lab will be earned. This class will transfer to most major universities for students going into pre-med, architecture, Biology, and the arts. Topics covered include motion, forces, momentum, energy, rotational motion, waves, vibrations, and sound. Students must have a strong mathematics background as problem solving will be emphasized. Students must have already taken or be currently taking Pre-Calculus and have earned a B or higher in Algebra II. (Offered in the Fall only)

PHY 23101 General University Physics I (KENTM3) **5 college hours**

This is a calculus based course. Upon successful completion of this course 5 credit hours through Kent State University for university physics I will be earned. This class will transfer to most major universities for students going into engineering, physics, and chemistry. Topics covered include motion, forces, momentum, energy, rotational motion, waves, vibrations, sound, and thermodynamics. Students must have a strong mathematics background as problem solving will be emphasized. Students must have already taken or be currently taking AP Calculus and have earned a B or higher in Pre-Calculus. (Offered in the Spring only)

STARK STATE COLLEGE COURSES TAUGHT AT GHS

The following are taught by GHS staff who are adjunct professors at Stark State. Students must be accepted by Stark State in order to register for these classes.

DUAL ENROLLMENT CLASSES

INT 120 ENTREPRENEURSHIP (STARKDE1)

3 college hours

This course is designed to introduce students to the entrepreneurial process from conception to birth of a new venture. Students will examine elements in the entrepreneurial process--personal, sociological, and environmental--that give birth to a new enterprise. Critical factors for starting a new enterprise such as alternative career prospects, family, friends, role models, the state of the economy and the availability of resources will be explored. Students will be introduced to practical tools they can use to further their careers in business, both in entrepreneurship and in more traditional company environments. This course simulates the experiences that entrepreneurs undergo in conceiving, launching, and operating new businesses. The course enables students to evaluate an entrepreneurial career for themselves. In doing so, it provides want-to-be entrepreneurs with a framework for selecting, funding, and starting their own new ventures.

BUS 121 BUSINESS ADMINISTRATION (STARKDE2)

4 college hours

A survey course designed to develop a comprehension of business theories and principles. Students will examine the following: American business development, management and organization, human resources, marketing, information for business strategy, decision making, finance and investment. Upon completion, students should be able to demonstrate an understanding of the above topic areas and have a foundation for studying other business subjects.

ITD 122 COMPUTER APPLICATIONS FOR PROFESSIONALS (STARKDE3)

3 college hours

Computer Applications for Professionals describes the components and peripherals of a computer/PC and how they function and communicate as a system. Principle topics covered are the Windows operating system, Internet applications, the Windows networking environment and a variety of software application packages used to solve scientific, business, and engineering technology problems.

IDS 115 COLLEGE SUCCESS SKILLS (STARKDE4)

3 college hours

Designed to aid students in gaining success skills needed for constructive and efficient learning both in college and other life settings. Topics include time management, study and test-taking skills, library use, and a variety of techniques for academic, professional and personal use.

BIO 127 HUMAN BIOLOGY (STARKDE5)

4 college hours

Human Biology presents the human as an organism as it relates to itself, to other humans, and to the environment. Lecture will present the scientific study of the human body including the aging process. Observations about the human at the chemical, cellular and systemic levels will be made in the laboratory incorporating a variety of laboratory experiences and may include the observation of human cadavers and other preserved specimens as learning tools. Practical work and group learning strategies will be used to facilitate evaluative learning in both the lecture and lab. The course will guide the student in a multidisciplinary study of the biology of human life.

MTH 125 COLLEGE ALGEBRA (STARKDE6)

4 college hours

In this course students will study linear, quadratic and absolute value equations and inequalities by applying analytical, graphical, and numerical methods of solution. Elementary functions and non-functions will be examined with reference to extrema, roots (zeros) and end-behavior of their respective graphs. Theory of equations including the Remainder and Factor Theorems, The Rational Root Theorem, and Descartes' Rule of Signs will be used for non-graphical analysis of polynomial functions of degree n . The student will also study exponential and logarithmic functions and the conic sections including their graphs and applications. Systems of equations will be solved by traditional algebraic methods as well as by the application of matrix algebra including determinants. Students also will study arithmetic and geometric sequences and series.

MTH 130 TRIGONOMETRY (STARKDE7)**3 college hours**

Study of angles and degree measure; radian measure; arc length and area; angular and linear velocity; trigonometric functions; right angle trigonometry; trigonometric identities and reference angles; unit circle and graphing; general sine wave; graph of tangent function; inverse trigonometric functions; basic sine, cosine and tangent equations; multiple angle equations; vectors and their applications; Oblique triangles and their applications; Polar coordinates and complex numbers.

CORE COURSES

Language Arts – Math – Science – Social Studies – World Languages

Any student, who does not meet the prerequisite for any course, must receive staff recommendation in order to supersede the prerequisite requirement.

LANGUAGE ARTS

LANGUAGE ARTS 9 (LA01) 1 credit Grade 9

The goal of Language Arts 9 is to review and to reinforce the language skills introduced in the previous grades. Emphasis will be given to reading and responding to literature, poetry and non-fiction texts and developing clarity of expression. Special attention will be given to writing as a process while reviewing the conventions of written and spoken English.

HONORS LANGUAGE ARTS 9 (LA02) 1 credit Grade 9 *Prerequisite: Previous Language Arts grades of 85% or higher and recommendation by Language Arts Department*

This course is an enhanced version of Language Arts 9. Emphasis will be given to reading and responding to literature. Constructing and refining meaning through reading, writing, listening, speaking and observing are skills that will be developed.

LANGUAGE ARTS 10 (LA04) 1 credit Grade 10 *Prerequisite: Passing grade in Language Arts 9*

This course is designed to improve and expand all English language arts skills. The literature units, which are designed from representative world literature, are structured to develop critical thinking, logical reasoning and active reading skills. Vocabulary development, spelling, speaking, listening, observing, writing, reading and researching are stressed. Composition focuses on the writing process.

HONORS LANGUAGE ARTS 10 (LA05) 1 credit Grade 10 *Prerequisite: Previous Language Arts grades of 85% or higher and recommendation by Language Arts Department*

This course is offered to students who have been identified as exceptional in language arts and is an enhanced version of Language Arts 10B. Vocabulary development, spelling, speaking, listening, observing, writing, reading and researching are stressed. The literature units, which are designed from representative world literature, are structured to develop critical thinking, logical reasoning and active reading skills. Composition and the reading of major works will be stressed.

LANGUAGE ARTS 11 (LA07) 1 credit Grade 11 *Prerequisite: Passing grade in a 10th grade Language Arts class*

In this survey of American literature, students will study the history of American thought as expressed through various fiction and non-fictional works. Emphasis is given to considering the works in their historical context and as representative of major literary movements in American literature. Constructing and defining meaning through reading, writing, speaking, listening are skills that will be developed. Composition, literary interpretation, and research skills will be stressed. Major works (novels and plays) will be a focus.

HONORS LANGUAGE ARTS 11 (LA08) 1 credit Grade 11 *Prerequisite: Previous Language Arts grades of 85% or higher and recommendation by Language Arts Department. Added expenses are possible.*

This course is designed for students who have demonstrated an exceptional ability and interest in the area of Language Arts. The coursework is more challenging than in the regular Language Arts 11B.

LANGUAGE ARTS 12 (LA12)**1 credit****Grade 12***Prerequisite: Passing grade in Language Arts 11*

In this survey of British literature, students will study the history of British thought as expressed through various fiction and non-fictional works. Emphasis is given to considering the works in their historical context and as representative of major literary movements in English literature. Constructing and refining meaning through reading, writing, speaking and listening are skills that will be developed. Composition, literary interpretation and research skills will be stressed.

AP LANGUAGE & COMPOSITION (LA26)**1 credit****Grade 11***Prerequisite: An 85% in previous Language Arts courses and department recommendation. This course may require fees in addition to standard student fees.*

The purpose of the AP English Language and Composition course is to enable students to read complex texts with understanding and to write prose of sufficient richness and complexity to communicate effectively with mature readers. As well as engaging in varied writing tasks, students become acquainted with a wide variety of prose styles from many disciplines and historical periods, and gain understanding of the connections between writing and interpretive skill in reading. Concurrently, to reflect the increasing importance of graphics and visual images in texts published in print and electronic media, students are asked to analyze how such images both relate to written texts and serve as alternative forms of texts themselves. In addition, the informed use of research materials and the ability to synthesize varied sources (to evaluate, use, and cite sources) are integral parts of this course. The course follows the guidelines established by The College Board. Completion of the summer assignment is required.

Any student enrolled in an AP course is required to take both the final exam in April and the College Board AP exam in May. There is a fee for the AP exam. Any students with financial concerns should see his or her guidance counselor.

AP LITERATURE AND COMPOSITION (LA27)**1 credit****Grade 12***Prerequisite: Department recommendation. This course requires fees additional to the standard student fees.*

The AP English Literature and Composition course is designed to engage students in the careful reading and critical analysis of imaginative literature. Reading in an AP course is both wide and deep. This reading necessarily build upon and complements the reading done in previous English courses so that by the time students complete their AP course, they will have read works from several genres and periods — from the 16th to the 21st century. Writing assignments focus on the critical analysis of literature and include expository, analytical and argumentative essays. Although critical analysis makes up the bulk of student writing for the course, well-constructed creative writing assignments may help students see from the inside how literature is written. Such experiences sharpen their understanding of what writers have accomplished and deepen their appreciation of literary artistry. The course follows the guidelines established by The College Board. Completion of the summer assignment is required.

Any student enrolled in an AP course is required to take both the final exam in April and the College Board AP exam in May. There is a fee for the AP exam. Any students with financial concerns should see his or her guidance counselor.

LANGUAGE ARTS ELECTIVE COURSES

These courses may not be substituted for the required language arts courses.

FUNDAMENTALS OF SPEECH & ARGUMENT (LA18)1 credit Grades 9-12

This introductory speech course is designed to increase skill and confidence in a variety of public speaking situations, as well as the skills of effective argument. Students will present a number of formal and informal speeches, arguments and debates of varying length, incorporating technology into many presentations. Areas of study will focus on listening, the communication process, nonverbal communication, speech preparation, persuasion, propaganda, outlining, speech analysis and techniques of effective speech and argument delivery. Evaluation is based largely on the presentations of the student.

JOURNALISM (LA23) 1 credit Grades 10-12

Journalism is a course designed to address all aspects of journalistic writing, as well as layout and design. It is a practical approach to journalism focusing on how to gather information, interview effectively, write straight news stories, cover speeches, sports stories, editorials and features. Students will be able to apply what they have learned by contributing articles to the school newspaper (The Paw Print). The sale of advertisements for the paper may be a requirement for all students.

SHAKESPEARE (LA25) 1 credit Grades 11-12 *Prerequisite: Language Arts 10A or Language Arts 10B*

Studies will include reading and exegesis of William Shakespeare's tragedies, comedies, histories and selected Shakespearean sonnets. The plays will be studied as performance vehicles as well as literature. The following are possibilities for study: Anthony and Cleopatra, Coriolanus, Hamlet, King Lear, King John, Titus Andronicus, Richard III, Timon of Athens, Henry IV, Much Ado About Nothing, The Tempest, The Merchant of Venice, The Taming of the Shrew.

SPORTS IN LITERATURE & MEDIA (LA21) 1 credit Grades 9-12

In this course, students will explore and study the three major American sports: football, baseball and basketball, as well as a variety of other sports in the United States. Study will also focus on the link between history (events and significant athletes) and sports, and how sports is portrayed in various forms of media. The study will include reading fiction and non-fiction works of varying length, discussing and responding (in writing) to various selections, completing a variety of individual and small group projects, and viewing several films related to sports. Much of this course involves hands-on sports-related experiences for the students.

STUDY OF FILM (LA30) 1 credit Grades 9-12

This class will encompass the literary categories of text analysis (plot, theme, character, etc.) and cinematic concepts such as framing, lighting, editing and sound without getting too technical. Films for examination may include: *Citizen Kane*, *On the Waterfront*, *Singing in the Rain*, *Rebel Without a Cause*, *Mr. Smith Goes to Washington* and *Twister*, and other films rated in the American Film Institute's top 100 films.

YEARBOOK PRODUCTION (LA24) 1 credit Grades 10-12 *Prerequisite: Teacher recommendation & application form*

The purpose of this class is to produce a financially sound and well designed yearbook. The members are either designers/ reporters or designers/ photographers. All students will learn design layout techniques for planning the pages and are responsible for selling and developing one complete page of advertisements. The responsibility for writers will include reporting and writing yearbook spreads, taking and placing all digital photos of classes, clubs, sports, special events and special mugs.

MATHEMATICS

NOTE: In order to move from a regular Math course to an honors Math course, a student must earn a 95% or higher from the previous course as well as a teacher recommendation.

CPM (College Preparatory Mathematics) is a math program that Green Local Schools is in the process of adopting from the beginning of 7th grade math through Algebra 2. In CPM courses, students will primarily work in teams, and the work will be problem based. Homework assignments will consistently be a mix of review problems, current material and problems that will prepare students to tackle future material. Research has shown that these strategies better prepare students in a variety of ways. Students learn more deeply when they discuss ideas with classmates. Also, students learn ideas more usefully for other arenas when they learn by attacking problems – ideally for the real world. Ultimately, students learn ideas more permanently when they are required to engage and reengage with the ideas over the course of months or even years.

CONCEPTS OF ALGEBRA I (MT01) .5 credit Grade 9
Prerequisite: Teacher recommendation

Based on the results of diagnostic tests, students will be referred into this course. This class is supplemental to the Algebra 1 course. Students taking Algebra 1 that have been identified as needing extra support in math will take this course to strengthen their conceptual understanding of the math required in Algebra.

ALGEBRA 1 (MT02) 1 credit Grades 9-10
Prerequisite: 8th grade math

Algebra 1 is a CPM course. This is a 9th grade college preparatory algebra course whose purpose is to broaden the fundamental concepts of number theory and gradually make the transition to a workable understanding of the terminology of algebra. Students develop an active mathematical vocabulary, learn to formulate and evaluate formulas, and translate data into an equation and solve the equation. TI-84 calculator is recommended. This course is NCAA approved.

GEOMETRY (MT03) 1 credit Grades 9-10

Geometry is a CPM course. This course contains the same content as Honors Geometry, but with less emphasis on formal proof and at a less rigorous pace. A scientific calculator is required. This course is NCAA approved.

HONORS GEOMETRY (MT04) 1 credit Grade 9
Prerequisite: Grade of 85% or higher in 8th grade Algebra I

Honors Geometry is a CPM course. This course deals mainly with logic and problem solving through application of geometric concepts. The content consists of basic ideas of geometry along with parallel lines and planes, perpendicular lines, proofs, congruent triangles, similarity, ratio and proportion, right triangles and basic trigonometric ratios, properties of polygons and circles, areas, surface area and volume, constructions, and coordinate geometry. A strong background in Algebra is recommended. A scientific calculator is required. This course is NCAA approved.

ALGEBRA 2 SURVEY (MT05) 1 credit Grade 11-12

Prerequisite: Grade of 60% - 79% in Geometry and teacher recommendation

Algebra 2 Survey is a CPM course. This course contains the same content as Algebra 2, but at a less rigorous pace. A scientific calculator is required. A TI-84 is recommended.

ALGEBRA 2 (MT06) 1 credit Grades 9-12

Prerequisite: An 80% or higher in Geometry and teacher recommendation

Algebra 2 is a CPM course. This course contains the same content as Honors Algebra 2 but at a less rigorous pace. A graphing calculator is required. A TI-84 is recommended. This course is NCAA approved.

HONORS ALGEBRA 2 (MT07) 1 credit Grades 9-11

Prerequisite: Grade of 85% or higher in Honors Geometry

This course provides an enhancement of Algebra and a foundation for Pre-Calculus and Statistics. There is an emphasis on problem solving and working with various equations and inequalities, solving systems of equations, powers, roots, complex numbers, quadratic equations, polynomials and polynomial equations, rational expressions and equations, radical expressions and equations, logarithmic functions and trigonometric functions. Other topics covered include the study of both the real and imaginary number systems and a further study of data analysis and probability. A graphing calculator is required. A TI-84 is recommended. This course is NCAA approved.

CONSUMER MATH (MT30) 1 credit Grades 11-12

Prerequisite: Passing grade in Geometry or completion of Algebra 2 Survey with a grade of 70% or lower.

This course was specifically developed to teach students mathematical skills and problem solving for everyday living. A scientific calculator is required.

TRANSITION TO COLLEGE MATH (MT31) 1 credit Grade 12

Prerequisite: Completion of Algebra 2 Survey with a passing grade; completion of Algebra 2 with less than a 85% average, or with recommendation by the Algebra 2 teacher. Students that have passed Algebra 2 with a grade of 85% or higher should take Pre-Calculus or Statistics.

This is a program designed to review basic computational and algebraic skills for those who plan to attend college but whose mathematical skills from Algebra 1 and Algebra 2 needs reinforced. This course is not a replacement for students capable of taking Pre Calculus or Statistics. A graphing calculator is required. A TI-84 is recommended.

PRE-CALCULUS (MT08) 1 credit Grades 10-12

Prerequisite: Grade of 85% or higher in Algebra 2

This course contains the same content as Honors Pre-Calculus , but at a less rigorous pace. A graphing calculator is required. A TI-84 is recommended. This course is NCAA approved.

HONORS PRE-CALCULUS (MT09) 1 credit Grades 10-12

Prerequisite: Grade of 85% or higher in Honors Algebra 2

This course encompasses and extends the topics and concepts of Algebra 2 and gives the student a foundation for Calculus. Topics include trigonometric functions, radian measure, solutions to right and oblique triangles and applications, analytic geometry, absolute values, exponential and logarithmic functions, matrices and determinants, inequalities, conic sections, polar coordinates, vectors, and an introduction to series and sequences. This course is intended for students planning on taking Calculus & AP Calculus. A graphing calculator is required. A TI-84 is recommended. This course is NCAA approved.

STATISTICS (MT10)**1 credit****Grades 10-12**

Prerequisite: Completion of Honors Algebra 2 or Algebra 2 or a grade of 85% or higher in Fund. of Algebra II

This course provides students with a strong background in the concepts and the applications of statistics and probability. It stresses the development of techniques for the collections and analysis of data, along with the applications to many disciplines. Any college bound student would benefit from this course since its content is required in many college majors and most graduate programs. A graphing calculator is required. A TI-84 is recommended. This course is NCAA approved.

AP STATISTICS (MT21)**1 credit****Grades 11-12**

Prerequisite: Grade of 85% or higher in Algebra 2

AP Statistics provides students with the opportunity to complete the equivalent of a one-semester, introductory, non-calculus based, college course in statistics. The curriculum follows the AP curriculum and guidelines set established by College Board. AP Statistics is a year-long study in the four primary components of a college level introductory statistics course: data exploration and analysis, research planning and design, pattern analysis through probability and simulation, and statistical inference. An introductory statistics course, like AP Statistics, is typically required for majors in the social sciences, health sciences, business, mathematics, engineering, and the physical sciences. This course requires solid reading and writing skills as many assignments and tests require reading reports and interpreting findings. Emphasis is equally placed on critical and evaluative thinking skills as it is mathematical reasoning. A graphing calculator, such as TI-83+ or TI-84 is REQUIRED. This course is NCAA approved.

Any student enrolled in an AP course is required to take both the final exam in April and the College Board AP exam in May. There is a fee for the AP exam. Any students with financial concerns should see his or her guidance counselor.

HONORS CALCULUS (MT32)**1 credit****Grades 10-12**

This course is a prerequisite for any student that will be taking AP Calculus

Prerequisite: Student must complete and receive a grade of 85% or higher in Pre-Calculus or Honors Pre-Calculus

This course provides the student with the necessary background needed to develop a strong foundation in the principles of calculus. It provides an important background for college bound students, especially those intending to pursue a math related major. This course provides coverage of calculus topics including limits, differentiation, and integration. This course will prepare students for the progression to the AP Calculus course or a preliminary calculus course in college. A graphing calculator is required. A TI-84 is recommended. This course is NCAA approved.

AP CALCULUS (MT23)**1 credit****Grades 11-12**

Prerequisite: Grade of 90% or higher in Calculus

This course provides students with the necessary background needed to develop a strong foundation in the principles of calculus. The curriculum will follow the AP curriculum and guidelines established by the College Board. It provides an important background for college bound students, especially those intending to pursue a math-related major. Topics include differential calculus, infinite series, and integral calculus. A graphing calculator is required. A TI-84 is recommended. This course is NCAA approved.

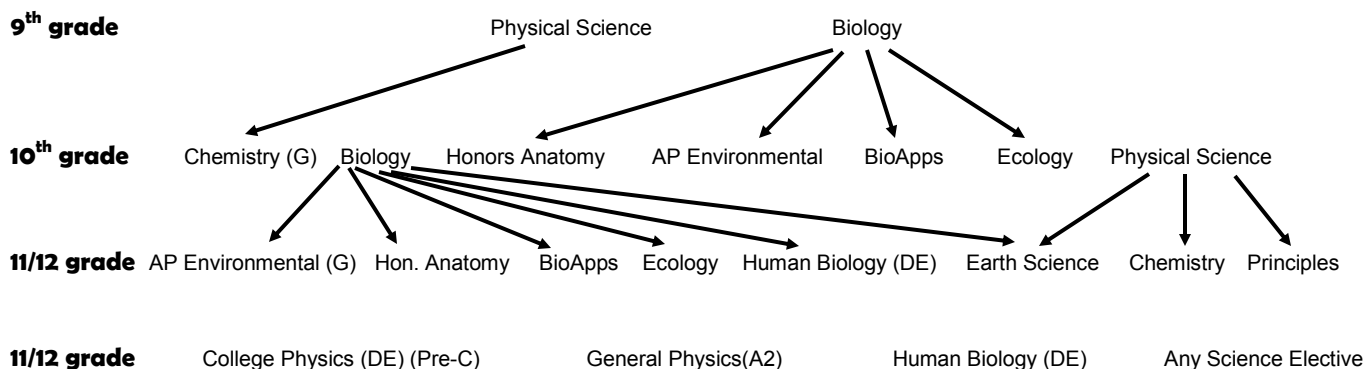
Any student enrolled in an AP course is required to take both the final exam in April and the College Board AP exam in May. There is a fee for the AP exam. Any students with financial concerns should see his or her guidance counselor.

SCIENCE

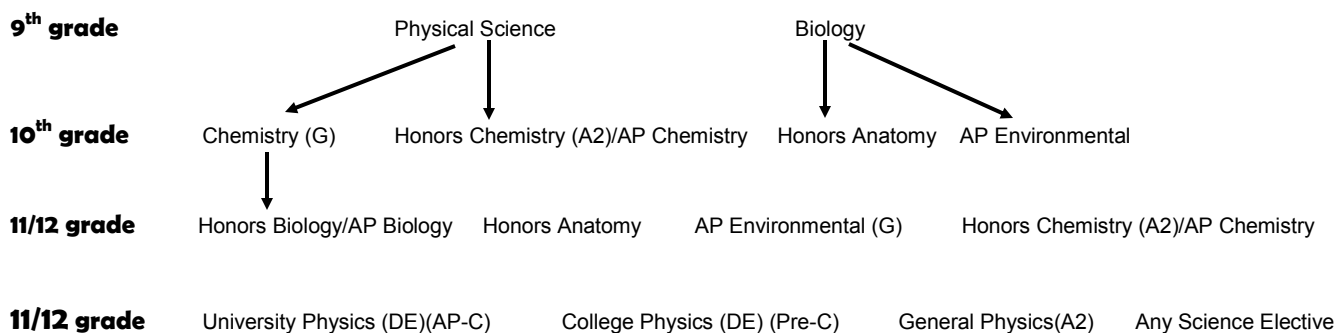
Please use these flowcharts in conjunction with the science course descriptions and mathematics requirements to schedule your classes. These flowcharts should be used as a general guide and not as a fluid map of Science study. Of the four units of Sciences that are required for graduation, at least one unit must be in a Physical Science and at least one unit in a Biological Science. Physical Science and Biology (or Honors Biology) are required by all students and is required to be taken before any additional science courses.

Arrows between classes indicate prerequisites. (DE) indicates Dual Enrollment college class; (G) indicates students must be concurrently enrolled in Geometry or higher mathematics; (A2) indicates students must be concurrently enrolled in Algebra 2 or higher mathematics; (Pre-C) indicates students must be concurrently enrolled in Pre-Calculus or higher mathematics and (AP-C) indicates students must be concurrently enrolled in AP- Calculus.

Students fulfilling high school graduation requirements and or college entrance requirements



Students with a very strong science interest, including those pursuing science / STEM-related studies after graduation and/or college entrance requirements



Please note that Chemistry is not a prerequisite for Honors Chemistry and Biology is not a prerequisite for Honors Biology; please see course descriptions for further information.

It is recommended that students who will be pursuing a college degree in the medical field take (at a minimum) Physical Science, Chemistry, Honors Biology/AP Biology, and College or General Physics. Honors Anatomy is also recommended.

It is recommended that students who will be pursuing a college degree in the engineering field take (at a minimum) Physical Science, Biology, Honors Chemistry/AP Chemistry and University or College physics.

Of the four units of Science that are required for graduation, Chemistry and Physics are strongly recommended for all college bound students.

SCIENCE

PHYSICAL SCIENCE (Physical) (SC30)

1 credit

Grade 9

Introduces students to key concepts and theories that provides a foundation for further study in other sciences and advanced science disciplines. Physical science comprises the systematic study of the physical world as it relates to fundamental concepts about matter, energy, and motion. A unified understanding of phenomena in physical, living, earth, and space systems is the culmination of all previously learned concepts related to chemistry, physics and space science, along with historical perspective and mathematical reasoning.

BIOLOGY (Biological) (SC31)

1 credit

Grades 9-12

This course investigates the composition, diversity, complexity and interconnectedness of life on Earth. Fundamental concepts of heredity and evolution provide a framework through inquiry-based instruction to explore the living world, the physical environment and the interactions within and between them. Students engage in investigations to understand and explain the behavior of living things in a variety of scenarios that incorporate scientific reasoning, analysis, communication skills and real-world applications.

HONORS BIOLOGY (Biological) (SC32)

1 credit

Grades 11-12

Prerequisite: 83% in Chemistry or Honors Chemistry

Honors Biology is part 1 of the introductory college-level AP Biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes (energy and communication), genetics, information transfer, ecology, and interactions. This course requires that 25% of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices.

AP BIOLOGY (Biological) (SC22)

1 credit

Grade 11-12

Prerequisite: An 83% in Honors Biology, 75% grade on Honors Biology Final Exam

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes (energy and communication), genetics, information transfer, ecology, and interactions. This course requires that 25% of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices. Any student enrolled in an AP course is required to take both the final exam in April and the College Board AP exam in May. There is a fee for the AP exam. Any students with financial concerns should see his or her guidance counselor.

CHEMISTRY (Physical) (SC33)

1 credit

Grades 10-12

Prerequisite: Physical Science. Concurrently taking Geometry or higher math.

This course deals with the composition and properties of substances, and with the reactions by which substances are produced from or converted into other substances. The theoretical concepts of chemistry will be studied in detail. An extensive laboratory component will be a part of the course. This course is a prerequisite for acceptance into most colleges. A scientific calculator is required.

HONORS CHEMISTRY (Physical) (SC37)

1 credit

Grades 10-12

Prerequisite: An 83% in Physical Science. Concurrently taking Algebra 2 or higher math.

This course is a requirement for any student who wishes to take AP Chemistry. It will be offered in the fall semester of each school year and should be taken during the same school year as AP Chemistry. This course involves a detailed and accelerated study of chemical reactions, gas laws, chemical equilibrium, acid based systems and atomic structure. A scientific calculator is required.

AP CHEMISTRY (Physical) (SC20)

1 credit

Grades 11-12

Prerequisite: 83% average in Honors Chemistry, 75% grade on Honors Chemistry Final Exam

The AP Chemistry course is designed to be the equivalent of the general chemistry course taken during the first year of college. It will be offered in the second semester. The curriculum will follow the AP curriculum and guidelines established by the College Board and will include topics such as structure of matter, states of matter, reactions, descriptive chemistry and a laboratory experience. A scientific calculator is required. It is strongly recommended that students take this course in the same school year as taking Advanced Chemistry. Any student enrolled in an AP course is required to take both the final exam in April and the College Board AP exam in May. There is a fee for the AP exam. Any students with financial concerns should see his or her guidance counselor.

BIOAPPS (Biological) (SC39)**1 credit****Grades 10-12***Prerequisite: Biology or Honors Biology*

BioApps is a project and lab centered class with a focus on the following major units: Biological Forensics, Zoology, Environmental Science, and Microbiology. Students will design and conduct lab experiments, use technology and math, and research and communicate scientific ideas. Biological dissections will be conducted.

EARTH SCIENCE (Physical) (SC36)**1 credit****Grades 10-12***Prerequisite: Passing grade in Physical Science and Biology or Honors Biology*

Students will gain a current overview of the universe, earth's geologic processes, oceanography and meteorology. Emphasis will be placed on interpretation and prediction of past, present, and future natural events based on data, experimentation, research and problem based learning experiences.

ECOLOGY (Biological) (SC34)**1 credit****Grades 10-12***Prerequisite: Biology or Honors Biology*

This college prep course includes identification of (80) local wildflowers and 45 trees. We identify local vertebrate animal species along with their role within the environment. Animal behavior and survival strategies are discussed. Water studies, geohydrology and pollution are included.

HONORS ANATOMY (Biological) (SC38)**1 credit****Grades 10-12***Prerequisite: 78% average in Biology or Honors Biology*

This course is designed for students planning to enter a medically related career field. The course includes the dissection of a prepared cat and the study of human anatomy and physiology. Independent study projects are required.

PRINCIPLES OF SCIENCE (Physical) (SC40)**1 credit****Grade 11-12***Prerequisite: Students who have passed Chemistry and/or Physics are not permitted to take this course*

This is an elective course for seniors to help complete their fourth science requirement for graduation. This course is project based and focuses on practical application of basic science concepts in chemistry and physics. Independent study projects are required.

AP ENVIRONMENTAL SCIENCE (Biological) (SC21)**1 credit****Grades 10-12***Prerequisite: Biology or Honors Biology and concurrently taking Geometry or higher math*

Provides students with the scientific principles, concepts, and methodologies required to understand interrelationships of the natural world, and to identify and analyze environmental problems both natural and human caused. Students evaluate the relative risks associated with environmental problems and examine solutions for resolving and/or preventing them. Any student enrolled in an AP course is required to take both the final exam in April and the College Board AP exam in May. There is a fee for the AP exam. Any students with financial concerns should see their guidance counselor. As with all AP courses, the curriculum and pace is rigorous.

GENERAL PHYSICS (Physical) (SC35)**1 credit****Grades 11-12***Prerequisite: Two science courses and concurrently taking Algebra 2 or higher math*

This course is an algebra based physics course and deals with the natural laws of the universe. Concept areas to be covered include mechanics, quantum physics, waves, electricity and magnetism. Experimental verification of the laws will be performed. There is a heavy emphasis in this course on problem solving. A scientific calculator is required.

SOCIAL STUDIES

FINANCIAL LITERACY (SS01)

.5 credit

Grade 9

Financial literacy is defined as the ability to read, analyze, manage and communicate about the personal financial conditions that affect material well-being. This course will examine basic financial knowledge, including an understanding of banks and the banking system, financial market, credit and credit cards, and tax laws, as well as the ability to apply this knowledge in making decisions about how to spend, earn or save money today to build wealth for tomorrow. Students will also examine how economic systems attempt to answer the fundamental question of what goods and services to produce, how to produce them and who will consume them. Furthermore, students will learn how the United States Government attempts to regulate the economy in order to promote growth and stability.

AMERICAN HISTORY (SS30)

1 credit

Grade 9

This course examines the history of the United States of America from 1877 to the present. The federal republic has withstood challenges to its national security and expanded the rights and roles of its citizens. The episodes of its past have shaped the nature of the country today and prepared it to attend to the challenges of tomorrow. Understanding how these events came to pass and their meaning for today's citizens is the purpose of this course. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions.

All students will take the state-mandated Performance-Based Assessment and End-of-Course Exam in American History, which is required for graduation.

HONORS AMERICAN HISTORY (SS31)

1 credit

Grade 9

Prerequisite: Previous Social Studies/Language Arts grades of 90% or higher and Social Studies teacher recommendation

This course traces major political, economic, social, and cultural developments in the United States from the end of the Civil War to the present. The course is an advanced study of American History, similar to the traditional American History course, but with emphasis on reading, writing and participation skills. Students will take on the perspective of a historian and develop critical thinking skills in the process. Solid reading and writing skills, along with a willingness to devote considerable time to homework and study are necessary to succeed.

All students will take the state-mandated Performance-Based Assessment and End-of-Course Exam in American History, which is required for graduation.

MODERN WORLD HISTORY (SS32)

1 credit

Grade 10

Modern World History examines world events for 1600 to the present. It explores the impact of the democratic and industrial revolutions, the forces that led to world domination by European powers, the wars that changed empires, the ideas that led to independence movements and the effects of global interdependence. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions.

AP WORLD HISTORY (SS21)

1 credit

Grade 10

Prerequisite: Recommendation by the Social Studies Department

Advanced Placement World History is an intense study of World History, from 8000 B.C.E. to present, that is structured around the investigation of selected themes woven into key concepts covering distinct chronological periods, which can earn qualified students college credit. The curriculum follows the AP guidelines and course of study established by the College Board. Attendance at a spring orientation meeting and the completion of a summer assignment are required.

Any student enrolled in an AP course is required to take both the final exam in April and the College Board AP exam in May. There is a fee for the AP exam. Any students with financial concerns should see his or her guidance counselor.

AP UNITED STATES HISTORY (SS20)**1 credit****Grade 11-12***Prerequisite: Recommendation by the Social Studies Department*

Advanced Placement United States History (APUSH) is a college level course which can earn qualified students multiple college credits. The curriculum follows the AP curriculum and guidelines established by the College Board. APUSH is a year-long survey of American History from the pre-Columbian era to the present. Solid reading and writing skills, along with a willingness to devote considerable time to homework and study are necessary to succeed. Emphasis is placed on critical and evaluative thinking skills, essay writing and interpretation of original documents. Attendance at a spring orientation meeting and the completion of a summer assignment are required.

Any student enrolled in an AP course is required to take both the final exam in April and the College Board AP exam in May. There is a fee for the AP exam. Any students with financial concerns should see his or her guidance counselor.

GOVERNMENT (SS35)**1 credit****Grade 11-12**

The primary objective of this course is to instill training in the responsibility of citizenship in our republic. Attention is given to the U.S. Constitution, historical documents such as the Declaration of Independence and other historical founding documents. Special attention is also given to the specific functions of the national and state governments, their branches, and to the administrative agencies. Foreign policies and issues, domestic policies and issues relating to government's economic powers and to the promotion of the general welfare and protection of individual rights are considered. Students will also learn to detect bias in the media.

All students will take the state-mandated Performance-Based Assessment and End-of-Course Exam in American Government.

STREET LAW (SS34)**1 credit****Grades 11-12**

Street Law is a practical class with a unique blend of substance and instructional strategies. Street Law is designed to provide students with the ability to analyze, evaluate, and resolve legal disputes. Students will learn a great deal about criminal and civil laws, and civil rights and responsibilities through strategies that promote critical thinking, problem solving, conflict resolution, cooperative learning, and most importantly, the ability to participate effectively in society.

AP UNITED STATES GOVERNMENT AND POLITICS (SS23)**1 credit****Grade 11-12***Prerequisite: Recommendation by the Social Studies Department*

Advanced Placement United States Government and Politics (APGOV) is a college-level course which can earn qualified students multiple college credits. The curriculum follows the AP curriculum and guidelines established by the College Board. APGOV is a year-long survey of American government and politics, with units on the Constitution; political beliefs and behaviors; the roles of parties, interest groups, elections, and the media in the political process; the structures of American political institutions (the Presidency, Congress, the Courts and the Bureaucracy); and a study of civil liberties and civil rights. Solid reading and writing skills, along with a willingness to devote considerable time to homework and study are necessary to succeed. Emphasis is placed on critical and evaluative thinking skills, essay-writing, and analysis of data and texts. Attendance at a spring orientation meeting and the completion of a summer assignment are required.

Any student enrolled in an AP course is required to take both the final exam in April and the College Board AP exam in May. There is a fee for the AP exam. Any students with financial concerns should see his or her guidance counselor.

PSYCHOLOGY/SOCIOLOGY (SS33)**1 credit****Grades 11-12**

Students enrolled in this course are able to obtain introductions into two of the social sciences that focus on the human condition. Psychology examines the mind and explores behavior of humans and animals using a scientific approach. The historical development of psychology will be outlined along with the mind and body connections. Students will gain an understanding of their own learning and cognitive development and the course will end with diagnosing and treatment of psychological disorders. In Sociology, students will study human relationships in society and will form an understanding of our cultural and social structures. Students will explore topics that deal with the individual in society, social inequality, and our continuously changing social world. Students will also learn to detect bias that can be found in many of the sources used by people who function in society.

AP EUROPEAN HISTORY (SS22)**1 credit****Grades 11-12**

Prerequisite: Recommendation by the Social Studies Department

Advanced Placement European History is a college level course which can earn qualified students multiple college credits. AP Euro is a year-long course that begins at the High Renaissance of the 15th Century and concludes its focus at the early 21st Century. The course follows significant eras of European History driven by essential key concepts, historical thinking skills, and thematic learning objectives that connect the eras together. The course follows the AP guideline and course of study established by the College Board. Attendance at a spring orientation meeting and the completion of a summer assignment are required.

Any student enrolled in an AP course is required to take both the final exam in April and the College Board AP exam in May. There is a fee for the AP exam. Any students with financial concerns should see his or her guidance counselor.

WORLD LANGUAGES

Languages other than Spanish, French and German may be studied through our online learning academy.

SPANISH I (WL01)

1 credit

Grades 9-12

Prerequisite: 75% average in English

By the end of the course, a Spanish I student would be expected to communicate at the novice-mid proficiency level according to the national ACTFL (American Council on the Teaching of Foreign Languages) standards. Novice-mid language students can identify with phrases, combine words and express ideas with simple phrases and expressions. Classroom instruction is conducted in Spanish ideally 90% of the time. Students begin to build reading, listening, speaking and writing skills. Students also gain insight into other cultures, as well as their own. Using interpretive, interpersonal and presentational modes of communication, assessments will measure what students can do with the language. Instruction and learning is not limited to the classroom, but includes the utilization of technology as well as interactions within the community.

SPANISH II (WL02)

1 credit

Grades 9-12

Prerequisite: 75% average in Spanish I and teacher recommendation

By the end of the course, a Spanish II student would be expected to communicate at the novice-high proficiency level according to the national ACTFL (American Council on the Teaching of Foreign Languages) standards. Novice-high language students can describe with phrases and identify with short sentences in the present time frame. Classroom instruction is conducted in Spanish ideally 90% of the time. Students continue to build upon previous reading, listening, speaking and writing skills. Students also gain insight into other cultures, as well as their own. Using interpretive, interpersonal and presentational modes of communication, assessments will measure what students can do with the language. Instruction and learning is not limited to the classroom, but includes the utilization of technology as well as interactions within the community.

SPANISH III (WL03)

1 credit

Grades 10-12

Prerequisite: 75% average in Spanish II and teacher recommendation

By the end of the course, a Spanish III student would be expected to communicate at the intermediate-low proficiency level according to the national ACTFL (American Council on the Teaching of Foreign Languages) standards. Intermediate-low language students can describe with sentences, use strings of sentences and express their own thoughts in a single time frame. Classroom instruction is conducted in Spanish ideally 90% of the time. Students continue to strengthen previous reading, listening, speaking and writing skills. Students also gain insight into other cultures, as well as their own. Using interpretive, interpersonal and presentational modes of communication, assessments will measure what students can do with the language. Instruction and learning is not limited to the classroom, but includes the utilization of technology as well as interactions within the community.

SPANISH IV: THE SPANISH-SPEAKING WORLD IN THE 21ST CENTURY (WL04) 1 credit Grades 10-12

Prerequisite: 80% average in Spanish III and teacher recommendation

This course is offered as an alternative to or additional preparation for the language-intensive AP Prep and AP courses. Students will focus on a variety of topics, including culture and film, by reading, analyzing and discussing various 21st century works by Hispanic writers. Grammar is reviewed, but is not the major focus. Students are expected to participate daily in class discussions and formulate their own ideas in written and spoken Spanish. Most assessments are based on reading and writing skills rather than speaking and listening. This course is offered in alternating years opposite Spanish IV: Mexico and the Americas.

SPANISH IV: MEXICO AND THE AMERICAS (WL05) 1 credit

Grades 10-12

Prerequisite: 80% average in Spanish III and teacher recommendation

This course is offered as an alternative to or additional preparation for the language-intensive AP Prep and AP courses. Students will focus on a variety of topics, including culture and film, by reading, analyzing and discussing various works by authors from Mexico, Central America and South America. Grammar is reviewed, but is not the major focus. Students are expected to participate in class discussions and formulate their own ideas in written and spoken Spanish. Most assessments are based on reading and writing skills rather than speaking and listening. This course is offered in alternating years opposite Spanish IV: The Spanish-Speaking World in the 21st Century.

HONORS SPANISH GRAMMAR/AP PREPARATION (WL30)**1 credit****Grades 11-12***Prerequisite: 85% in Spanish III or Spanish IV and teacher recommendation*

By the end of this course, a student would be expected to communicate at the intermediate-mid proficiency level according to the national ACTFL (American Council on the Teaching of Foreign Languages) standards. Intermediate-mid language students can formulate questions and answers as well as describe and narrate with strings of sentences. Both students and instructor use Spanish almost exclusively. Students continue to refine previous reading, listening, speaking and writing skills with an emphasis on grammar. Students are expected to compare and contrast cultures embedded in the course content as well as interact with the language beyond the school setting. Using interpretive, interpersonal and presentational modes of communication, assessments will measure what students can do with the language. Activities are based on authentic situations and have real meaning to the students. This course is designed to prepare students for the AP Spanish Language and Culture course. This semester long block class is to be scheduled in the fall of the same academic year as AP Spanish.

AP SPANISH (LANGUAGE AND CULTURE) (WL20)**1 credit****Grades 11-12***Prerequisite: Teacher recommendation*

The purpose of this course is to prepare students to take the AP exam in May. AP Spanish Language and Culture is a demanding course which is meant to be the equivalent of 5th or 6th semester college Spanish. By the end of the course, students will be expected to communicate at the intermediate-high or advanced-low level according to the national ACTFL (American Council on the Teaching of Foreign Languages) standards. Students at this level can narrate and describe in past, present and future and handle a complicated situation or transaction. The curriculum will follow the AP curriculum and guidelines as established by the College Board. Exceptional ability in Spanish, as well as a willingness to devote considerable time to homework and study are necessary to succeed. Both students and instructor use Spanish almost exclusively. Students will experience the Spanish-speaking world by reading text such as articles, short stories and biographies. They will also listen to podcasts, interviews, songs and newscasts. Students will write and speak about their understanding of new and familiar topics and also compare and contrast cultures embedded in the course content. Activities are based on authentic sources and have real meaning to the students as they prepare for the AP exam. A summer assignment is also required. This semester long block class is to be scheduled in the spring of the same academic year as Spanish Grammar/AP Preparation.

Any student enrolled in an AP course is required to take both the final exam in April and the College Board AP exam in May. There is a fee for the AP exam. Any students with financial concerns should see his or her guidance counselor.

GERMAN I (WL11)**1 credit****Grades 9-12***Prerequisite: 75% average in English*

By the end of the course, a German I student would be expected to communicate at the novice-mid proficiency level according to the national ACTFL (American Council on the Teaching of Foreign Languages) standards. Novice-mid language students can identify with phrases, combine words and express ideas with simple phrases and expressions. Classroom instruction is conducted in German ideally 90% of the time. Students begin to build reading, listening, speaking and writing skills. Students also gain insight into other cultures, as well as their own. Using interpretive, interpersonal and presentational modes of communication, assessments will measure what students can do with the language. Instruction and learning is not limited to the classroom, but includes the utilization of technology as well as interactions within the community.

GERMAN II (WL12)**1 credit****Grades 9-12***Prerequisite: 75% average in German I and teacher recommendation*

By the end of the course, a German II student would be expected to communicate at the novice-high proficiency level according to the national ACTFL (American Council on the Teaching of Foreign Languages) standards. Novice-high language students can describe with phrases and identify with short sentences in the present time frame. Classroom instruction is conducted in German ideally 90% of the time. Students begin to build reading, listening, speaking and writing skills. Students also gain insight into other cultures, as well as their own. Using interpretive, interpersonal and presentational modes of communication, assessments will measure what students can do with the language. Instruction and learning is not limited to the classroom, but includes the utilization of technology as well as interactions within the community.

FRENCH I (WL07)**1 credit****Grades 9-12***Prerequisite: 75% average in English*

By the end of the course, a French I student would be expected to communicate at the novice-mid proficiency level according to the national ACTFL (American Council on the Teaching of Foreign Languages) standards. Novice-mid language students can identify with phrases, combine words and express ideas with simple phrases and expressions. Classroom instruction is conducted in French ideally 90% of the time. Students begin to build reading, listening, speaking and writing skills. Students also gain insight into other cultures, as well as their own. Using interpretive, interpersonal and presentational modes of communication, assessments will measure what students can do with the language. Instruction and learning is not limited to the classroom, but includes the utilization of technology as well as interactions within the community.

FRENCH II (WL08)**1 credit****Grades 9-12***Prerequisite: 75% average in French I and teacher recommendation*

By the end of the course, a French II student would be expected to communicate at the novice-high proficiency level according to the national ACTFL (American Council on the Teaching of Foreign Languages) standards. Novice-high language students can describe with phrases and identify with short sentences in the present time frame. Classroom instruction is conducted in French ideally 90% of the time. Students continue to build upon previous reading, listening, speaking and writing skills. Students also gain insight into other cultures, as well as their own. Using interpretive, interpersonal and presentational modes of communication, assessments will measure what students can do with the language. Instruction and learning is not limited to the classroom, but includes the utilization of technology as well as interactions within the community.

FRENCH III (WL09)**1 credit****Grades 10-12***Prerequisite: 75% average in French II and teacher recommendation*

By the end of the course, a French III student would be expected to communicate at the intermediate-low proficiency level according to the national ACTFL (American Council on the Teaching of Foreign Languages) standards. Intermediate-low language students can describe with sentences, use strings of sentences and express their own thoughts in a single time frame. Classroom instruction is conducted in French ideally 90% of the time. Students continue to build upon previous reading, listening, speaking and writing skills. Students also gain insight into other cultures, as well as their own. Using interpretive, interpersonal and presentational modes of communication, assessments will measure what students can do with the language. Instruction and learning is not limited to the classroom, but includes the utilization of technology as well as interactions within the community.

The following courses will be taught independently through the online learning resource, PLATO Edmentum. Students will be assigned to a computer lab environment under the facilitation of a World Language teacher. Classes will be period classes taught in a year-long setting. (WL06)

Prerequisite for All Online World Language Classes: The classes are designed for students who are motivated to enhance their learning and have the ability to work independently. Students will be required to seek out an Academic Teacher recommendation and possess a B average in their Language Arts classes. Students who schedule for these courses will need to complete the "World Language Student Contract" prior to the beginning of the school year. This contract is available for viewing on the Guidance department website.

Chinese I – Semesters A and B

Students begin their introduction to Chinese with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. The course consists of 180 lesson days formatted in an intuitive calendar view, which can be divided into two 90-day semesters. The course represents an ideal blend of language learning pedagogy and online learning. As students begin the course, they construct their own Avatar that accumulates —Avatar bucks"—by performing well on course tasks—to use to purchase materials (clothing, gadgets, scenery, etc.) at the —Avatar store". Each week consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Chinese-speaking countries. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Chinese II – Semesters A and B

Students continue their introduction to Chinese with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. The course consists of 180 lesson days formatted in an intuitive calendar view, which can be divided into two 90-day semesters. The course represents an ideal blend of language learning pedagogy and online learning. As students begin the course, they construct their own Avatar that accumulates —Avatar bucks"—by performing well on course tasks—to use to purchase materials (clothing, gadgets, scenery, etc.) at the —Avatar store". Each week consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Chinese-speaking countries. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Latin I – Semesters A and B

Students begin their introduction to Latin with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. The course consists of 180 lesson days formatted in an intuitive calendar view, which can be divided into two 90-day semesters and represents an ideal blend of language learning pedagogy and online learning. As students begin the course, they construct their own Avatar that accumulates Avatar bucks by performing well on course tasks. These are used to use to purchase items (virtual clothing, gadgets, scenery, etc.) at the Avatar store. Each week consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and cultural presentations covering significant aspects of Roman culture or their modern-day manifestations, and assessments. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Latin II – Semesters A and B

Students continue their introduction to Latin with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. The course consists of 180 lesson days formatted in an intuitive calendar view, which can be divided into two 90-day semesters and represents an ideal blend of language learning pedagogy and online learning. As students begin the course, they construct their own Avatar that accumulates —Avatar bucks"—by performing well on course tasks—to use to purchase items (virtual clothing, gadgets, scenery, etc.) at the —Avatar store. Each week consists of a new vocabulary theme and grammar concept, a notable ancient myth in Latin, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and cultural presentations covering significant aspects of Roman culture or their modern-day manifestations, and assessments. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

SPECIAL EDUCATION OFFERINGS

In addition to the courses offered through the general education curriculum, the Special Education department offers the following courses for students as deemed appropriate.

LANGUAGE ARTS 1B/2B (SP02)

1 credit

Grade 9 /10

This course is intended to continue the learning and improvement of reading comprehension and written expression skills introduced in the previous grades. Emphasis will be given to reading and responding to literature, poetry, vocabulary development and non-fiction texts. Special attention will be given to writing as a process and conventions of written and spoken English.

LANGUAGE ARTS 3B/4B (SP03)

1 credit

Grade 11/12

This course is intended to continue the learning and improvement of reading comprehension and written expression skills. Skills stressed are vocabulary, writing, reading comprehension, and researching. Emphasis will be given to skills required for transition from school to work and post-secondary education and training options.

FUNDAMENTALS OF ALGEBRA 1B (SP07)

1 credit

Grade 9

This course gives students the opportunity to develop basic mathematical skills needed to meet the challenges in everyday living. Included will be instruction on the students' levels on numbers, numbers facts, operations and whole numbers, measurements, money, fractions and mixed numbers, and mathematical vocabulary. An introduction to basic algebra and basic geometry are also included.

ALGEBRA 1 B (SP08)

1 credit

Grade 10

This course is based on an integrated approach where students will develop critical thinking, reasoning and problem solving skills in the content areas of number sense, algebra, problem solving and basic geometry and statistics. Math connections will be integrated into other subject areas as well as daily life situations.

GEOMETRY 3B (SP09)

1 credit

Grade 11

This course deals with logic and problem solving through the application of algebraic concepts. The content covers the basic concepts of geometry along with parallel lines and planes. There are many other topics explored throughout the course, including constructions, the Pythagorean Theorem, perimeter and area. It also covers everyday applications of geometry and problem solving.

ALGEBRA 2A SURVEY (SP10)

1 credit

Grade 12

This course contains the same content as Algebra 2 at a less rigorous pace and in a smaller class size. A graphing calculator is required. A TI-84 is recommended.

PHYSICAL SCIENCE 1B (SP13)

1 credit

Grade 9

This course deals with the basic principles of science and emphasizes the processes that shape the earth.

BIOLOGY 1B (SP14)

1 credit

Grade 10

This course deals with the basic principles of science and emphasizes the study of living things and their interactions with the environment.

PHYSICAL/LIFE SCIENCE 3B (SP15)

1 credit

Grade 11

This course explores physical science through textbook materials, videos, hands on materials, labs and projects. The students will gain an understanding of matter, chemistry, energy, work and machines, heat, sound and light. They will gain an understanding of how we use these things every day and their impact on our lives with emphasis on interpreting graphs, charts and data.

ENVIRONMENTAL SCIENCE 4B (SP16) 1 credit Grade 12

This course introduces students to the study of the natural environment. Some topics included in this course are: ecosystem processes, biomes, human population and consumption and pollution.

AMERICAN HISTORY 1B (SP19) 1 credit Grade 9

Developmentally appropriate materials will be used in the presentation of this continuation of American History study begun in previous grades. There will be an emphasis on cultural, political, geographic, economic and international trends in the United States from 1877 to 1945.

ESSENTIALS FOR WORLD HISTORY 2B (SP20) 1 credit Grade 10

This course explores World History through textbook materials, various media such as videos, music, hands-on activities and projects. Emphasis on historical events, culture and geography are intended to help students gain a better understanding of other cultures and how they impact our culture.

SOCIAL STUDIES 3B (SP21) 1 credit Grade 11

In this course students will study and gain an understanding of the diversity among people and cultures that exist in our society. Text materials, videos, music, hands-on activities will be used to develop and achieve the goals of this class.

AMERICAN GOVERNMENT 4B (SP22) 1 credit Grade 12

This course is designed to inform students of their rights and responsibilities as citizens in a democratic society. Students will learn about the formation, divisions and hierarchy of the government. They will also learn about the impact government has on global scale as well as the impact it has on the community where they live.

STUDY SKILLS/INTERVENTION 1 credit Grades 9-12
Grade 9 (SP90) Grade 10 (SP91) Grade 11 (SP92) Grade 12 (SP93)

Students in this course will receive specific instruction in skill deficit areas that are directly related to accessing the content standards covered in the CORE curriculum, with a focus on IEP goals, self advocacy, and transition service activities. Lessons will emphasize study and organizational strategies needed for academic success across the curriculum.

**Other inclusion classes may be offered in Math, Social Studies, Language Arts, and Science based on enrollment and need.

PERFORMING ARTS

STAGE PRODUCTIONS

DRAMA (PA01)

1 credit

Grades 9-12

Drama is a performance-oriented course which provides the student with basic knowledge of acting and an appreciation of theater as a performing art. Acting skills will be developed through units on voice, imagination, improvisation, movement, pantomime, oral interpretations and characterization. Students will perform scripted scenes from memory. A major portion of the semester grade will be determined by the student's acting performance.

DRAMA 2 (PA02)

1 credit

Grades 10-12

Prerequisite: Drama and /or Musical Theatre, an application form & audition

Drama 2 is a performance oriented class offered to students who have successfully completed Drama or Musical Theatre and wish to learn and experience more about acting and staging plays. Students in this class will prepare and produce a variety of plays which will be performed publically.

MUSICAL THEATER (PA30)

1 credit

Grades 10-12

Prerequisite: Application form & audition

Musical Theater is a course designed for students in grades 10-12 who will be performing in the annual Green High School musical production. Students will discover the elements of a musical, how to prepare and perform a musical role, acting and vocal techniques and the production aspects of a musical.

STAGE PRODUCTION (PA03)

1 credit

Grades 10-12

Get behind the scenes of a GHS stage production. Within this course, students will be working with lighting and sound, building sets and designing costumes. This class will teach both technical skills and different design techniques that bring a show to life. Students must be available to work as a crew member on the GHS Stage Production Team after school hours.

MUSIC ELECTIVES

MUSIC THEORY (PA04)

1 credit

Grades 9-12

Music theory is for musicians who have the basic knowledge of how to read western classical music. The materials covered include all major and minor scales & key signatures, intervals within an octave, chord structures and inversions through seventh chords, harmonic movement and music forms. Students will be taught to aurally identify rhythms, scale quality, intervals and chord quality. Students will be taught concepts of simple composition and arrangement. Music Literature from various centuries will be explored as they relate to form, chord structure and part writing.

MUSIC APPRECIATION (PA31)

1 credit

Grades 9-12

Music Appreciation explores music and its role in our lives. The course covers social, cultural and historical contexts of music. Students will learn to appreciate music by listening to and analyzing a large amount of music throughout the course.

INSTRUMENTAL MUSIC

MARCHING BAND/CONCERT BAND (PA09) ***1.5 credit year** **Grade 9**
See description that follows for Marching Band/Symphonic Band/Wind Ensemble

MARCHING BAND/SYMPHONIC BAND (PA10)
WIND ENSEMBLE ***1.5 credit Year** **Grades 10-12**

Marching band starts in the summer and continues three days a week after school. It will also meet during regularly scheduled class time. After marching season, students will be divided into three concert bands. Each concert band will perform a minimum of three concerts throughout the year and students are encouraged to participate in OMEA solo and ensemble.

* .5 of the 1.5 credits for marching band will be added to the student's course history for marching band at the conclusion of the marching season. This credit will be awarded on a Pass/Fail basis and will not appear on the quarterly grade cards.

Marching band is required of all band members unless there is a conflict with a school sponsored fall athletic program or if the student qualifies for a medical exemption. If a student selects the athletic and/or medical option, they then must have an Athletic or Medical Exemption Form signed by their parents and returned to the band directors for approval.

VOCAL MUSIC

MEN'S CHORUS (PA05) **1 credit** **Grade 9-12**

Any male in grades 9-12 is eligible for this ensemble. Students will receive instruction to develop singing skills, breathing, sight singing and performance technique. This ensemble performs a wide variety of musical styles. They will have concerts throughout the school year and will take part in OMEA Adjudicated Events.

WOMEN'S CHORUS (PA06) **1 credit** **Grade 9-12**

Any female in grades 9-12 is eligible for this ensemble. Student will receive instruction to develop singing skills, breathing, sight singing and performance technique. This ensemble performs a wide variety of musical styles. They will have concerts throughout the school year and will take part in OMEA Adjudicated Events.

SELECT CHOIR (PA07) **1 credit** **Grades 10-12**
Prerequisite: Audition by Director

Select Choir is an advanced, mixed ensemble of auditioned singers in grades 10-12. All musical elements explored in Men's and Women's Chorus will be further studied including vocal techniques, vowel alignment, breath control, sight-reading, and performance skills. This ensemble performs a wide variety of musical styles. They will have at least four concerts a year and will take part in OMEA Adjudicated Events.

ENSEMBLE (PA08) **1 credit** **Grades 10-12**

Prerequisite: Audition by Director and enrollment in Men's Chorus, Women's Chorus or Select Choir

Ensemble is a highly select performing ensemble of auditioned singers in grades 10-12. They perform extensively throughout the year at school and community events, concerts, holiday gigs and the Ensemble Spring Show, focusing on a variety of music from pop to jazz to acappella. There may be additional after school or evening rehearsals. Membership to Ensemble requires a commitment to singing, afterschool rehearsals and performing.

PHYSICAL EDUCATION & HEALTH

PHYSICAL EDUCATION (PE01)

. 5 credit

Grades 9-10

This is a semester long course focusing on participation in both individual and team sports. Personal fitness will be explored through fitness activities and the testing of health related fitness components. Students will complete the State of Ohio's Physical Education Evaluation. Completion of this course will satisfy the physical education requirement for graduation.

HEALTH (HE01)

.5 credit

Grades 9-10

This course is designed to develop the student's knowledge of the human being from a mental, physical, emotional, and social perspective. The units covered include but are not limited to; domestic issues, interpersonal relationships, mental and emotional health, body systems, communicable and non-communicable diseases, nutrition and fitness, and abuse in tobacco, alcohol and drugs.

BEGINNING WEIGHT TRAINING AND CONDITIONING .25 credit

Grades 9-12

Semester 1 (PE10)

Semester 2 (PE20)

This is a semester long course that may be taken each semester and is designed as an introductory course to weight training and conditioning. Students are expected to dress properly and participate daily in instructor lead weight training and condition activities. There will be a strong emphasis placed on lifting technique and weight room procedures. Students will be evaluated on their knowledge of exercise physiology, kinesiology, and basic human anatomy as it pertains to weight training and conditioning. Students will be responsible for maintaining individualized weight training programs that demonstrate the basic training principles. Safety precautions will be stressed.

WEIGHT TRAINING AND CONDITIONING

.25 credit

Grades 10-12

Prerequisite: Beginning Weight Training and Conditioning and/or the P.E. Waiver

Semester 1 (PE11)

Semester 2 (PE21)

This is a semester long course that may be taken each semester and is designed for students participating in extracurricular athletics, serious athletes, or those with a strong interest in physical fitness, weight training and conditioning. Students are expected to dress properly and participate daily in instructor lead weight training and condition activities. In this course, students will perform in and out of season strength programs that place an emphasis on muscular strength and endurance development. Students will be evaluated on their knowledge of exercise physiology, kinesiology, and basic human anatomy as it pertains to weight training and conditioning. Students will be responsible for maintaining individualized training programs that demonstrate the basic training principles. Safety will be stressed.

LEISURE SPORTS AND PERSONAL FITNESS (PE03) .5 credit

Grades 10-12

Prerequisite: Completion of Physical Education or the P.E. Waiver

This course is designed to offer upperclassmen an opportunity to participate and compete in both individual and team sports. Students will develop an understanding of scoring, rules and procedures for all games. Students will also develop an appreciation for maintaining a healthy and active lifestyle.

TRENDS IN AEROBIC FITNESS (PE02)

.5 credit

Grades 10-12

Prerequisite: Completion of Physical Education or currently involved in P.E. Waiver

This is a semester long block course that emphasizes total body fitness with a focus in cardiovascular endurance, flexibility, and muscular strength. This course provides knowledge in components of fitness and the benefits of exercise to promote a healthy lifestyle. Students are expected to dress properly and participate in daily instructor lead activities such as: Zumba, Barre, Yoga, Aerial Yoga, Spinning, Kickboxing, Pilates, Tabata, Jazzercise, Step Aerobics, Fitness Walking and Interval Strength Training. Additional assessments may include the development of a marketing plan, personal fitness plan, and student lead aerobic activity video.

PHYSICAL EDUCATION MENTORSHIP (PE04) .5 credit**Grades 10-12***Prerequisite: Completion of P.E. credit or P.E. Waiver*

This is a period year long course designed to promote physical, emotional, and social development of those students with identified needs through a partnership with upperclassmen who have met the prerequisite and have received instructor approval. This course focuses on the development of fine and gross motor skills and cooperative learning by participating in individual and team sports activities. Upperclassmen will be expected to partner with students with identified needs to assist them in physical, emotional, and social development goals with an emphasis on safety and sportsmanship. In addition, this course is designed to benefit upperclassmen who have career goals in the fields of special education, nursing or physical education. Students will be required to actively participate and complete various written assessments. Cap is 15 students.

PHYSICAL EDUCATION WAIVER

Students who have participated in interscholastic athletics, marching band or cheerleading/dance team for at least two (2) full seasons OR the Junior Reserved Officer Training Corps (JROTC) program for two years as defined in the Green High School Student Handbook, while enrolled in grades 9 through 12, and as documented by the Green High School Administration, may be excused from the high school physical education requirement. Students electing such an excuse shall complete one-half (1/2) unit of at least sixty (60) hours of instruction in another course of study which is designated by the Board as meeting the high school curriculum requirements. (GLS Board Policy 5460 Graduation Requirements)

VISUAL ARTS

2-D ART CLASSES (drawing, painting, collage, pastels, cut paper, mosaic and printmaking)

2-D ART 1 (UA01) **1 credit** **Grades 9-12**

This class is designed to give students an understanding of composition, three-dimensional shading, perspective, color mixing and color theory. Students will work in a variety of media such as graphite, color pencil, paint, cut paper and ink/printmaking. Students work both realistically and abstractly. This is a prerequisite for 2-D 2 and Graphic Design.

2-D ART 2 (UA02) **1 credit** **Grades 10-12**

Prerequisite: 83% in 2-D 1

Students will build on skills learned in 2-D 1. An emphasis will be placed on creative solutions and communicating meaning in artworks. Students will work in a variety of media such as graphite, colored pencil, watercolor and acrylic paint.

2 D ART 3 (UA03) **1 credit** **Grades 11-12**

Prerequisite: 93% in 2-D Art 2

Students will work two-dimensionally to create larger scale artworks toward portfolio development. Various mediums and materials will be explored such as graphite, colored pencil, charcoal, pastel, mixed media and paint. Artwork will include an emphasis on further skill development and personal expression. Students will work realistically and draw from observation.

2 D ART 4 (UA04) **1 credit** **Grade 12**

Prerequisite: 93% in all previous art courses and teacher permission (see an art teacher for application)

This course is designed for the serious art student wishing to complete an art portfolio to be used for college entry or scholarship consideration. Students must have successfully completed a variety of art courses. Students will work independently under the direction and consultation of an art teacher. Students will be expected to conduct research on past and contemporary artists and create art which displays personal meaning and skill development.

3-D ART CLASSES (clay and sculptural materials such as wood, paper mache, stained glass and cardboard)

3-D ART 1 (UA05) **1 credit** **Grades 9-12**

Students will create a variety of projects in ceramics using hand-building techniques, such as pinch, coil, and slab. Students will learn composition and design principles on a three dimensional surface. Projects will be finished in a variety of ways including different types of glazes, and color theory will be emphasized.

3-D ART 2 (UA06) **1 credit** **Grades 10-12**

Prerequisite: 83% in 3-D Art 1

This course is designed to build on the elements and principles of design learned in 3D Art 1. Work will explore the disciplines of industrial design, graphic design, architecture and artistic ornamentation. Projects will involve the use of a variety of media and techniques in the production of 3-dimensional artwork.

3-D ART 3 (UA07) **1 credit** **Grades 11-12**

Prerequisite: 93% in 3-D Art 2

Students will create three-dimensional sculptural work in clay. Artwork will include realistic depictions, abstract interpretations and functional and decorative pieces. An emphasis will be placed on skill development and personal expression.

3-D ART 4 (UA08) **1 credit** **Grade 12**

Prerequisite: 93% in all previous art courses and teacher permission (see an art teacher for application)

This course is designed for the serious art student wishing to complete an art portfolio to be used for college entry or scholarship consideration. Students must have successfully completed a variety of art courses. Students will work independently in clay under the direction and consultation of an art teacher. Students will be expected to conduct research on past and contemporary artists and create art which displays personal meaning and skill development.

PHOTOGRAPHY AND COMPUTER ART CLASSES

Digital Photo 1 and 2 can be paired as a year-long class

DIGITAL PHOTO 1 (First semester) (UA09)

.5 credit

Grades 9-12

This course gives students the fundamentals of composing quality images, how to use a digital camera, download images, and use basic computer software to manipulate images. Students will advance into the Photoshop computer program. Images may include portraits, action, landscapes and more. Students must provide a digital camera with 10 or more mega pixels with settings (action, macro, portrait, night) and a 4 GB minimum flash drive (no cell phone images permitted). Camera may be either point and shoot or digital SLR.

DIGITAL PHOTO 2 (Second Semester) (UA10)

.5 credit

Grades 9-12

Prerequisite: 83% in Photo 1

Students will learn how to shoot creative images using their digital camera and manipulate images using the Photoshop program. Assignments may include reflections and shadow. Architecture, Andy Warhol interpretations, themes, stop motion images, depth of field and double exposure. Students must provide a digital camera with 10 or more mega pixels with a variety of settings and a 4 GB minimum flash drive (no cell phone images permitted). Setting examples include macro (flower), action (running man) and night (person with a moon). Camera may be either point and shoot or digital SLR.

GRAPHIC DESIGN (UA11)

1 credit

Grades 11-12

Prerequisite: 83% in Photo 1 or 2-D Art 1

Graphic design is a form of art that relays a message through the combination of images and type. Students will be exposed to and create computer artwork using a variety of programs used by professionals. Programs include Photoshop and Illustrator. Examples may include package and menu design.

AP ART HISTORY (UA20)

1 credit

Grades 11-12

Prerequisite: AP World History or a 83% in World History or teacher recommendation.

Advanced Placement Art History (APAH) is designed to prepare students for the AP Art History exam. This is a demanding course which can earn qualified students college credit. The curriculum follows the AP guidelines and course study established by the College Board. APAH is a year-long study of paintings, sculpture and architecture created throughout time, from prehistoric to the present. Any student enrolled in an AP course is required to take both a final exam in April and the College Board AP exam in May. A summer assignment is required.

Any student enrolled in an AP course is required to take both the final exam in April and the College Board AP exam in May. There is a fee for the AP exam. Any students with financial concerns should see his or her guidance counselor.

VOCATIONAL RELATED

Business - CBE - Computer - Family & Consumer Science - Telecommunications

BUSINESS

This section of business courses is being offered as an orientation for a career in the business field.

INTRO TO BUSINESS AND PERSONAL FINANCE (VR32) 1 credit Grades 9-12

This class provides a new approach for students to discover availability and usefulness of business subjects to their futures. The course will cover an introduction to such activities as record keeping, banking and economic understanding. Also, topics dealing with career exploration, savings, investing, money management, income taxes, insurance, consumer information, credit and business for personal use

ENTREPRENEURSHIP (VR33) 1 credit Grades 9-12

This course is designed to give the student a basic guide to the process of getting into and managing his or her own business. The course focuses on the steps necessary to start a business, including the legal forms of business ownership, market research and advertising, hiring employees, human resource management, business ethics and a variety of start-up activities. The student will focus on preparation of a business plan.

SPORTS AND ENTERTAINMENT MARKETING (VR34) 1 credit Grades 9-12

The sports and entertainment industry is the eleventh largest industry in the United States. More than 10 billion dollars is spent every year on sports/entertainment advertising. Employment estimates indicate that there are approximately 4.4 million sports/entertainment-related jobs in marketing, entrepreneurship, administration and media. The jobs include sports agents, sports facility managers, sports publicists, sales managers, marketing directors, travel agents, venue coordinators and many others. The course will be available for 9-12 graders who are interested in learning about the marketing/business aspect of the sports/entertainment industry. The course will analyze the background and history of the sports/entertainment industry. Students will learn basic marketing skills, economic factors affecting the industry, trends and current events.

ACCOUNTING PRACTICES 1 (VR35) 1 credit Grades 10-12

This is a basic course in accounting that includes vocabulary and an understanding of applying accounting procedures to the various documents (journals, ledgers, worksheets, receipts, checks, balance sheets). The course covers the workings of various types of businesses: corporations, sole proprietorships and partnerships. In addition to receiving an understanding of accounting procedures, students will be exposed to the basics of automated accounting to reinforce accounting principles. This class includes several simulations projects.

ACCOUNTING PRACTICES 2 (VR36) 1 credit Grades 11-12

Prerequisite: Accounting Practices 1

The purpose of Accounting Practices 2 is to gain a deeper understanding and knowledge of accounting in preparation for future business and/or accounting majors in college. Through the use of accounting software, students will be provided with extensive coverage of accounting systems, procedures, and control. Microsoft Excel will be included as part of the software used in this course. The student will receive a broad understanding of business activities needed in order to maintain and interpret financial records for business management.

EDUCATION AIDE (VR03) .5 credit Grades 11-12

This is an opportunity for GHS students that are considering elementary education as a possible career. Students will come to Greenwood or Green Intermediate School and work directly with Kindergarten students in our enrichment program. You will gain valuable experience in an elementary setting and work with some really neat kids. Students will need their own transportation to Greenwood or Green Intermediate School for this opportunity.

OFFICE AIDES: (Main, Guidance, Athletic, Media Center) No credit Grade 12

Only seniors will be considered for office positions. Students must receive approval from administration. Students must maintain good attendance, good academic standing and have the ability to maintain confidentiality. Students must also be open and willing to do any task asked.

TEACHER AIDES:**No credit****Grades 11-12**

Junior and Senior students may apply to assist individual teachers and/or departments as an aide. Students must comply with the following requirements:

1. Students must seek out the approval of the teacher and/or department they wish to work with.
2. Students must maintain good attendance, good academic standing, and have the ability to be self motivated to complete tasks.
4. Students must abide by the expectations set forth by the teacher and/or department.

CBE**CAREER PATHWAYS (VR04)****1 credit****Grades 10-12**

This is a year long course designed for students who want to prepare for employment and/or college after high school by combining practical coursework with a career mentorship. Students will research different career clusters and the occupation opportunities within each cluster. Projects and guest speakers for each cluster are also included in the coursework. Students will learn key business principles such as procedures for applying for a job or college, proper interviewing techniques, utilizing modern technology in preparing and presenting information, etiquette skills in electronic communications and social networking, and finances in the real world including loans, credit, checking and savings accounts. In addition, each semester students will explore their career interests by participating in a mandatory 4 hour career mentorship with a professional in the field of their choice. Students must job shadow after school or on weekends and must provide their own transportation to mentorship sites.

COOPERATIVE BUSINESS EDUCATION (CBE) (VR13) 5 credits

Prerequisite: Senior status and enrollment at Portage Lakes Career Center

CBE is a one-year cooperative program open to seniors. This course prepares seniors for employment in various business and office positions. While in class, students learn standard business techniques, human relations, and receptionist duties, Office 2003, MS Word, Excel, PowerPoint and Access. Students attend school one-half of the day and receive on-the-job training for one-half of the day. Upon completion of the program, students may pursue higher education, retain their present employment, or advance to new business positions. *Students can potentially earn college credits in this program.*

COMPUTER**COMPUTER APPLICATIONS (CM01)****.5 credit****Grades 9-12**

Topics in this class are file management, word processing, spreadsheets. We will use Microsoft Office. This class will serve as an introduction to other computer courses offered.

MULTIMEDIA (CM02)**.5 credit****Grades 9-12**

The purpose of this course is to provide students with the opportunity to learn, make decisions about and use interactive multimedia software. The focus of the course will be the use of computers to present text, graphics, video, animation and sound in an integrated way. Students will use Audacity to edit audio files. Adobe Photoshop to edit photos, Moviemaker to edit video and Power Point to integrate all of it.

COMPUTER SCIENCE 1 WITH VISUAL BASIC (CM30) 1 credit**Grades 10-12**

Prerequisite: 83% or higher in Geometry

Students will develop problem-solving skills as they create algorithms and design problems in a Visual Basic environment. This course will be good for any student wanting to become an engineer, accountant, mathematician or enter a technology field. Students will create games by implementing basic programming concepts like variable declarations, arrays, loops, conditional statements and more.

HONORS COMPUTER SCIENCE 2 with JAVA (CM31) 1 credit**Grades 10-12**

Prerequisite: 73% or higher in Computer Science 1 With Visual Basics

This course will use the object-based language JAVA. The students will increase their problem solving skills by creating appropriate algorithms for real life problems. Students will learn to develop programs with good structure and design.

FAMILY & CONSUMER SCIENCES

PERSONAL DEVELOPMENT & RESOURCE MANAGEMENT (VR30) 1 credit Grades 9-10

Learn to manage practical problems related to taking responsibility for self in building relationships, improving communication and resolving conflict. Study nutrition and practice managing resources using environmentally conscious methods of food preparation and clothing and home maintenance.

NUTRITION & COOKING (VR31) 1 credit Grades 11-12

This course offers students the broadest exposure to the many facets of food. Nutrition and the social aspects of food will be studied as students explore foods from around the world as well as in their own backyard. Course work is project oriented and attendance is crucial for success.

CHILD DEVELOPMENT/PARENTING (VR02) 1 credit Grades 11-12

This is a year- long class that explores the different types of development in children. This development will be studied at all age levels starting with infancy. Students will become familiarized with parenting techniques and strategies that will be applied to projects and hands on interactions with kindergarten students.

TELECOMMUNICATIONS

TELEVISION PRODUCTION (LA32) 1 credit Grades 9-12

This television production course has students creating television shows and news stories for WGHS and the community channel 16 providing real world experiences. Students will often produce the announcements for the school's daily broadcast. Students will learn television production standards, equipment and vocabulary. Students must be mature enough to be trusted with television production equipment and have the ability to work in a group project setting independent of constant teacher supervision. Due to the nature of the projects, good attendance is important.

VIDEO EDITING (LA33) 1 credit Grades 9-12

This class concentrates on writing and creating, and editing video projects using Adobe Premier, giving students a marketable skill for after high school. Students will learn editing vocabulary, styles, and software skills. Students must be mature enough to be trusted with television production equipment and have the ability to work in a group project setting independent of constant teacher supervision. Due to the nature of the projects, good attendance is important.

CREATIVE MEDIA PRODUCTION (LA34) 1 credit Grades 9-12

This class concentrates on writing and creating media projects including audio and video creation for different media. Students will use iPads and computers to create interactive media using a variety of software and apps including Adobe suite. This class requires the ability to work in a group project setting independent of constant teacher supervision. Due to the nature of the projects, good attendance is important.

AIR FORCE JROTC

Students participating in the Junior Reserved Officer Training Corps (JROTC) program for two years may be excused from the high school physical education requirement.

First Year Cadets

Aerospace Science 100: (RC09)

1 credit

Grades 9-12

This AS course is a prerequisite for all other AF JROTC classes. It is an aviation history course focusing on the development of flight thorough the centuries. It starts with ancient civilizations, then progresses through time to modern day. The emphasis is on civilian and military contributions to aviation and the development, modernization and transformation of the Air Force. It is interspersed with concise overviews of the principles of flight to include basic aeronautics, aircraft motion and control, flight power, and military history. Throughout the course, there are readings, videos, hands-on-activities, and in-text and student workbook exercises to guide in the reinforcement of the materials. In addition, numerous hours are also dedicated to citizenship, character development and Air Force customs and courtesies.

The Leadership Education 100 introduces cadets to the Air Force Junior Reserve Officer Training Corps (AF JROTC) program providing a basis for progression through the rest of the AF JROTC program while instilling elements of good citizenship. It contains sections on cadet and Air Force organizational structure, uniform wear, customs, courtesies, and other military traditions, health and fitness, individual self control, and citizenship.

Physical Training (PT)

Wellness is an essential part of the AF JROTC program and will be given every Friday during class. Our PT/Wellness program will make up 36 hours of training each year while a cadet is in the program and is part of the overall grade. It is an exercise program focused upon individual base line requirements with the goal of achieving a national standard as calculated with the age and gender. The program is provided as a tool to help you develop individualized training. Instructors will include other activities cadets enjoy such as team sports in order to keep the Wellness Program Fun and motivating.

Second and Third Year Students (Taught alternate years with Aerospace Science 200)

Aerospace Science 220: (RC10)

1 credit

Grades 9-12

Global Studies is a multidisciplinary course that introduces students to various regions of the world from a geographic, historical, and cultural perspective. The course provides increased international awareness and insight into foreign affairs that permits a more educated understanding of other cultures and enhanced knowledge of America's interests and role in the world. Geopolitical issues such as terrorism, economics, politics, military issues, religion, environmental concerns, human rights, disease, over population, literacy, the migration of peoples and other cultural issues will be examined. The regional areas included in this course are Europe, the Middle East, South Asia, East Asia, Africa, and Latin America. The lessons include excellent videos to provide a window into life and issues within the regions, followed by a variety of hands-on activities created to engage the students. Readings are also available to set the stage for each lesson, along with workbook exercises suitable for in-class or homework assignments.

Leadership Education 300 Life Skills and Career Opportunities textbook will be helpful to students deciding which path to take after high school. Information on how to apply for admission to college or to a vocational or technical school is included. Information on how to begin a job search is available to students who decide not to go to college or vocational school. Available also is information about financial planning and how to save, invest, and spend money wisely, as well as how not to get caught in the credit trap. Students are informed about real life issues such as contracts, leases, wills, warranties, legal notices, and personal bills.

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Third and Second Year Students (Taught alternate years with Aerospace Science 220)

Aerospace Science 200: (RC11)

1 credit

Grades 9-12

The Science of Flight course is designed to acquaint the student with the aerospace environment, the human requirements of flight, principles of aircraft flight, and principles of navigation. The course begins with a discussion of the atmosphere and weather. After developing an understanding of the environment, how that environment affects flight is introduced. Discussions include the force of lift, drag, thrust, and weight. Students also learn basic navigation including map reading, course plotting, and the effects of wind. The portion on Human Requirements of Flight is a survey course on human physiology. Discussed here are the human circulatory system, the effects of acceleration and deceleration, and protective equipment.

National Endowment for Financial Education (NEFE) has been developed to alert, inform, and educate high school students about sound money management skills and the financial planning process. It is essential in our fast moving society to have some working knowledge of the fundamentals or basic financial planning. The corporate pension plans and generous employee benefits enjoyed by the parents of today's youth likely will not exist, and saving for long term goals, such as retirement will be up too each individual. Those who understand financial planning concepts and investment principles will have a significant advantage over those who do not.

Leadership Education 200 stresses communication skills and cadet corps activities. Much information is provided on communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development. Written reports and speeches compliment the academic materials. Cadet corps activities include holding positions of greater responsibility in the planning and execution of corps projects.

Physical Training (PT)

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Fourth Year Students

Aerospace Science 400: (RC12)

1 credit

Grades 9-12

Management of the Cadet corps: the cadets manage the entire corps during the fourth year. This hands-on experience affords the cadets the opportunity to put the theories of previous leadership courses into practice. All the planning, organizing directing, controlling, and decision-making will be done by the cadets. They practice their communication, decision making, personal-interaction, managerial, and organizational skills.

Physical Training (PT)

Wellness is an essential part of the AF JROTC program and will be given every Friday during class. Our PT/Wellness program will make up 36 hours of training each year while a cadet is in the program and is part of the overall grade. It is an exercise program focused upon individual base line requirements with the goal of achieving a national standard as calculated with the age and gender. The program is provided as a tool to help you develop individualized training. Instructors will include other activities cadets enjoy such as team sports in order to keep the Wellness Program Fun and motivating.

Leadership Education IV: Principles of Management

Principles of Management textbooks are a guide to understanding the fundamentals of management, managing yourself, and others. Emphasis is placed on allowing the student to see himself/herself as a manager. Every organization, regardless of size, faces the challenge of managing operation effectively. No matter how well a manager carries out his or her job, there are always ways of doing at least part of the task more effectively. There are four building blocks of leadership considered in this text from the military and civilian perspective. Attention to these four areas will form a strong foundation for a capability to lead others— something that can be very valuable to you for the rest of your life. The four area are: management techniques, management decisions, management functions, and managing self and others.

PORTAGE LAKES CAREER CENTER CAREER & TECHNICAL PROGRAMS

The Portage Lakes Career Center will serve as an extension of Green High School. Students electing to attend the Career Center will graduate from Green High School. Students can attend the Career Center and still participate in band, athletics, and other extra-curricular clubs and activities at Green. Bus transportation will be provided to and from the Career Center from the high school. Career and Technical programs are available at the Portage Lakes Career Center, Coventry High School, Springfield High School and Green High School.

Arts and Communication Career Field

Visual Design & Imaging (VDI)

3 credits/year

Prerequisite: Junior status

This program will give students the opportunity to acquire hands-on, practical experience in graphic design, photography, video, audio, multi-media, web page design and DVD authoring. Students will have the opportunity to use industry recognized software and much more. This program focuses on creating professional-quality graphic design for both the web and printed media. *Students can potentially earn college credits in this program.*

Information Technology Career Field

Network Computer Technology (NCT)

3 credits/year

Prerequisite: Junior status

This program prepares students to work with computers in a large variety of applications. Students become experts in the PC operating systems. In addition, they learn to install hardware devices and software packages, adjust, test, maintain, troubleshoot, and diagnose both hardware and software problems. Students will also be instructed in data communications and computer networking. Students in the program receive on-the-job training through a field experience and job placement and may test to receive MCTS certifications as well as A+ and Net+ certifications, the industry standard for computer technicians. *Students can potentially earn college credits in this program.*

Programming & Software Development (PSD)

3 credits/year

Prerequisite: Junior status

This program will teach students the concepts and fundamentals that can be applied to all programming languages. Students will learn to design, develop, test, document, implement, and maintain computer systems and software. Students will learn to write software for Web sites, smart devices, business applications, and personal use. *Students can potentially earn college credits in this program.*

Environmental and Agricultural Career Field

Plant, Landscape & Turf Management (HORT)

3 credits/year

Prerequisite: Junior status

In the Plant/Landscape/Turf Management program, students develop an understanding of plants, soils, chemicals, plant diseases, ornamental crops, greens-keeping, floral design, lawn management, landscaping, garden stores, florist shops, and tree care. Students will work in the school's greenhouse as part of their learning experience. The operation of motorized equipment, such as a lawn edger, power sprayer, roto-tiller, lawn mowers, and a bobcat is included in the program. *Students can potentially earn college credits in this program.*

Health Services Career Field

Pre-Nursing (PN)

3 credits/year

Prerequisite: Junior status

The Pre-Nursing program offers the perfect starting point for a student who is planning for a career in health occupations. Students in this program will be eligible to participate in state testing to be recognized as a State Tested Nurse Aide. Pre-Nursing students will receive training in current health care concepts and processes and health care equipment. *Students can potentially earn college credits in this program.*

Sports Medicine (SM)

3 credits/year

Grade Level: Junior and Senior

The Sports Medicine program is designed to prepare students to serve as service workers in the health and fitness industry as well as student trainers in physical therapy and sports medicine. Students will learn such skills as sports condition, patient care and comfort, nutritional needs and diet, human growth and development, community health care, advanced anatomy and related terminology. Students who complete this two year program will be trained for employment as rehabilitation care assistant, handicapped care assistants, and physical fitness employees in health clubs, fitness centers, convalescence hospitals, private physical therapy centers, and sports clubs. Additionally, many students opt to continue in four year programs for Athletic Training, Exercise Physiology, Pre-medicine, and Physical Therapy. *Students can potentially earn college credits in this program.*

Human Services Career Field

Cosmetology (COS)

3 credits/year

Prerequisite: Junior status, good attendance, artistic creativity

Upon completion of this two-year program, students will be eligible to take the State of Ohio licensing examination for cosmetology which includes hair, skin and nails. Toward the end of the junior year and during the senior year, students can actually work on patrons in the cosmetology salon. Students are involved with all the current services offered in today's salons. *Students can potentially earn college credits towards an Associate degree of Technical Studies in this program.*

Culinary Arts (CA)

3 credits/year

Prerequisite: Junior status, good attendance, artistic creativity

Students in the Culinary Arts program will learn a variety of food preparation techniques. Some of the competencies covered are food service equipment operation, safety skills, sanitation procedures, classification and nutritional information on foods, food presentation and garnish skills. Students will receive work-site-based learning in these areas at area internships and job placement. Students will have the opportunity to participate in FCCLA, a national youth organization, which provides opportunities for leadership and personal development as well as competition and scholarship opportunities. *Students can potentially earn college credits in this program.*

Fire Academy (FA)

3 credits/year

Prerequisite: Junior status

Students in this program will learn the academics, physical skills, and employability skills to better prepare them for a career in firefighting as well as entry level EMS skills. Students will be instructed in fire behavior, building construction, search and rescue, hose and fire streams, ground ladders, handling and care of physical evidence, first aid and CPR, EMT basic skills, medical emergencies, trauma and advanced airway management. *Students can potentially earn college credits in this program.*

Industrial and Engineering Systems Career Field

Automotive Technology (AT)

3 credits/year

Prerequisite: Junior status

In the Automotive Technology program, students spend two years developing skills in all facets of automobile service, repair and operation. Students study all the components of the engine and its systems. Instruction is provided in the following competencies: automotive power trains, steering, exhaust, brakes, and suspension systems. In addition, students are trained on computerized ignition and engine analyzing equipment. During the junior year, students receive hands-on training in the lab as well as time in the classroom. In the senior year, students may participate in an internship program, working at an automotive related job site. This program is an Automotive Service Excellence (ASE) and National Automotive Technicians Education Foundation (NATEF) certified program. *Students can potentially earn college credits in this program.*

Aviation Technology (AVT)

3 credits/year

Prerequisite: Junior status

Developed in collaboration with Kent State University, and in partnership with MAPS Air Museum, this program offers extensive exploration and training in Aviation Technology. Hands-on learning is achieved through high-tech flight simulators and airplane restoration at MAPS. Class will be held at MAPS Air Museum located in Green. *Students can potentially earn college credits in this program.*

Building Trades (BT)

3 credits/year

Prerequisite: Junior status

This program provides organized learning experiences in the classroom and lab in blueprint reading, carpentry, masonry, residential electrical wiring, plumbing, drywall, roofing, siding, ceramic tile, painting and minor repairs. Students will be instructed in the correct and safe use of power tool operation and construction procedures. This program will prepare students for a professional career in construction, property management, and the remodeling industry. *Students can potentially earn college credits in this program.*

Facility Operations & Maintenance (FOM)

3 credits/year

Prerequisite: Junior status

Counselor recommendation required

The Facility Operations & Maintenance program is a two year program designed to provide students a variety of entry-level skills in the following fields: carpentry, construction, painting, plumbing, electrical wiring, and facilities maintenance. Emphasis is on developing employability skills and confidence needed for employment in these or related fields. *Students can potentially earn college credits in this program.*

Engineering Technology (ENG)

3 credits/year

Prerequisite: Junior status

Students in this program develop skills necessary for beginning employment in the field of engineering drafting. Students will be instructed in the use of industry recognized software including: Auto Cad, Inventor 3D, and Revit Architecture 3D. Students will learn to make detail drawings, 3D drawings and assembly drawings as they receive basic training in architectural, mechanical and civil engineering. Students will be well prepared to further their engineering education at a post secondary institution. *Students can potentially earn college credits in this program.*

Electrical Technology (ELE)

3 credits/year

Prerequisite: Junior status

The skills developed and the knowledge gained in this program will enable a student to be employed as an electrician apprentice (construction & industrial), factory maintenance worker or electrical assembler. The techniques of house wiring and industrial maintenance wiring as well as electric motor maintenance and controls are covered. Additionally, students will receive instruction in Smart House technology, phone and cable installation, in-house theatre and fire and security wiring, solar home technology and wind powered home technology. *Students can potentially earn college credits in this program.*

Heating, Ventilation and Air Conditioning/Refrigeration (HVAC/R) 3 credits/year

Prerequisite: Junior status

This program will prepare students for careers in residential, commercial and industrial climate control systems. Students in HVAC will learn how to design, install, maintain and repair the equipment used to provide environmental indoor air quality in homes and buildings. *Students can potentially earn credits in this program.*

Welding (WELD)

3 credits/year

Prerequisite: Junior status

Specialized classroom and shop experiences teach students in this program all types of metal welding, brazing and flame cutting. Students will learn the properties of metals, blueprint reading, electrical principles, welding symbols and mechanical drawing work. These skills can be used to become a fabricator welder, construction welder, repair welder, blueprint reader and machine operator. *Students can potentially earn college credits in this program.*

Green Campus Career & Technical Programs

Business and Management Career Field

Cooperative Business Education (CBE)

5 credits

Prerequisite: Senior status

CBE is a one-year cooperative program open to seniors. This course prepares seniors for employment in various business and office positions. While in class, students learn standard business techniques, human relations, and receptionist duties, Office 2003, MS Word, Excel, PowerPoint and Access. Students attend school one-half of the day and receive on-the-job training for one-half of the day. Upon completion of the program, students may pursue higher education, retain their present employment, or advance to new business positions. *Students can potentially earn college credits in this program.*