

Green High School

Curriculum Guide and Course Descriptions Fall 2019

Requirements for the Class of 2023

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 Student Services 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.

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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 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, 1 credit of World History, .5 credit of Financial Literacy and 1 credit of Government)
- .5 credit of Physical Education (unless excused by a physician or completion of PE 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 1
- Geometry or Honors Geometry
- Biology or Honors Biology
- American History or Honors American History
- American Government
- English I (Language Arts 9 or Honors Language Arts 9)
- English II (Language Arts 10 or Honors Language Arts 10)

3. The Ohio Department of Education requires that students meet ONE of the following:

- A. Earn a cumulative passing score of 18 points on seven End of Course exams with a minimum of:
 - 4 points in Math
 - 4 points in English/Language Arts
 - 6 points in Science and 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.
- 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 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 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, 1 credit of World History, .5 credit of Financial Literacy and 1 credit of Government)
- .5 credit of Physical Education (unless excused by a physician or completion of PE 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 1
- Geometry or Honors Geometry
- Biology or Honors Biology
- American History or Honors American History
- American Government
- English I (Language Arts 9 or Honors Language Arts 9)
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 - 4 points in Math
 - 4 points in English/Language Arts
 - 6 points in Science and 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.
- 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.

Green High School students are required to maintain a full class schedule. A full class schedule is defined as enrollment in at least 5 classes per semester.

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.
 - h. Administration, teacher and/or counselor discretion during senior year.
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 following Distinguished Scholar criteria:

- 4 credits of English/Language Arts
- 4.5 credits of Social Studies (must include American History, World History, Financial Literacy and Government)
- 4 credits of Science (must include two of the following: Chemistry, Physics, Honors Anatomy or any AP Science or College Level Science)
- 4 credits of Math (must include one of the following: Pre calculus, Calculus, AP Statistics, College Algebra or Trigonometry)
- 3 credits of World Language or 2 credits each of two languages
- 1 credit Visual or Performing Arts
- A minimum grade point overage of 3.3

Diploma with Honors Criteria

The Ohio Department of Education's Diploma with Honors seal shall be awarded to any student who meets at least 7 of the 8 criteria listed below.

Academic Honors Diploma:

- 4 units of English/Language Arts
- 4 units of Math (Algebra 1, Geometry, Algebra II or equivalent, and another higher level course)
- 4 units of Science (must include two of the following: Chemistry, Physics, Honors Anatomy or any AP Science or College Level Science)
- 4 units of Social Studies
- 3 units of World Language, including at least two units of each language studied
- 1 unit of Fine Arts (Art, Music, Drama)
- GPA of 3.5 or higher
- ACT composite score of 27 or SAT score of 1280

Career Tech Honors Diploma:

- 4 units of English/Language Arts (may include 1 unit in communications)
- 4 units of Math (Algebra 1, 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
- 4 units of Career Tech Electives
- 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 1280

Students may also choose to pursue honors diplomas in the Arts, STEM, and/or Social Sciences and Civic Engagement. More information about these honor diploma options can be found on the Ohio Department of Education website. Please see your counselor for more information.

Seal of Biliteracy

The Ohio Seal of Biliteracy is an award conferred on graduation seniors who can demonstrate a high level of Proficiency in English and at least one world (foreign) language, which includes modern languages, classical languages, American Sign Language and native American languages. Interested students should see their counselors.

Senior Awards and Recognitions

Top 25 Students of the Graduating Class

The Top 25 students will be recognized at a dinner along with their honored educator and their parents/guardians. Students are identified as top 25 based on their ranking at the end of their 7th semester in high school. The banquet is held in March and has been sponsored by Serra Auto Group since 1998.

Academic Wall Of Fame

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

GPA of 3.8 or higher at the end of their 8th semester 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
National Technical Honor Society	Purple/Silver
Cum Laude (GPA 3.5-3.74)	Orange
Magna Cum Laude (GPA 3.75-3.99)	White
Summa Cum Laude (GPA 4.00 and above)	Purple

Valedictorian and Salutatorian

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

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

Valedictorian and salutatorian will speak at graduation and will receive medallions 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 GPAs:
 - 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. tutoring per week
 - GPA below 1.0 will be declared ineligible
3. IEP students must meet this standard in all adjusted coursework or comply with specification of the 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 2 full seasons or the Junior Reserved Officer Training Corps (JROTC) program for 2 years as defined in the Green High School 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 1/2 unit of at least 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
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	Physical Science	Honors French
Honors LA 9	Government	AP Statistics	AP Environmental	Gram/AP Prep #
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	AP US History	Pre- calculus	Ecology	Spanish 2
Language Arts 4A		Function,Stats,Mod#	General Physics	Spanish 3
Journalism		Trigonometry	Honors Chemistry	Honors Spanish
Shakespeare			Honors Physics	Gram/AP Prep
Study of Film			AP Biology	Spanish 4/Mexico
Fund. Speech/Argu.			Honors Anatomy	Spanish 4/ World
			Bio Apps	AP Spanish
			Earth Science	
			STEM#	

#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.

Please note that students in need of End of Course test remediation, will not be eligible for full day placement at the PLCC.

Portage Lakes Career Center Admission Procedures

1. All Green students who demonstrate the ability and interest to attend the Career Center are encourage to submit an Application for Admission to the school.
2. Applications for Admissions can be submitted the following ways:
 - A. Apply online at www.plcc.edu.
 - B. Download the Application for Admission at www.plcc.edu. Applications may be mailed (Portage Lakes Career Center, 4401 Shriver Road, Uniontown, OH 446895), faxed (330-896-8297), or returned to home school counselors' office.
 - C. Obtain Application for Admission at home school counselors' office. Applications may be mailed (Portage Lakes Career Center, 4401 Shriver Road, Uniontown, OH 446895), faxed (330-896-8297), or returned to home school counselors' office.
 - D. Obtain Application for Admission form Portage Lakes Career Center Admissions Coordinator at 330-896-8250.
3. Applications received by March 15th from students meeting the admission requirements will be considered for selection.
Applications received after March 15th will be considered late applications 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 PLCC.
4. After submitting an application, it is necessary for the student to officially withdraw his/her application if the decision is made not to 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 of 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.greenlocalschool.org/ghs. See Academic Information on the GHS Student Services 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 or Honors Language Arts 9)
English II (Language Arts 10 or Honors Language Arts 10)
Algebra I
Geometry or Honors Geometry
Biology or Honors Biology
American History or Honors American History
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 - 22, Science Reasoning - 23

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. All Juniors will be required to take the ACT.

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 Computer Science, AP Environmental Science, AP European History, AP French, AP Government, AP Language and Composition, AP Literature & Composition, AP Spanish, AP Statistics, AP World History

Students wishing to take AP courses not offered at Green High School are responsible for cost of the courses. Advanced approval by the principal is required.

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. 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.

CCP Probation and CCP Dismissal

Students in the College Credit Plus program will be placed on CCP Probation if their cumulative GPA is below a 2.0 in the college courses taken through the CCP program. Students on CCP Probation will be permitted to enroll in no more than ONE college course (not in the same subject as the student earned a D or F) the following semester.

Students in the College Credit Plus program will be dismissed or deemed "ineligible" for the program after two consecutive semesters terms of enrollment where the cumulative GPA earned is below a 2.0.

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) 3 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) 3 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 Classes 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 and attend a mandatory orientation 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 Classes 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, attend an orientation and score a 78 or higher on the ALEKS (or a qualifying ACT or AP score) 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 be enrolled in AP Calculus and have earned a B or higher in Pre-Calculus. (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 college 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.

Duel Enrollment Classes

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

Prerequisites: ACT math score of 22 or above or Accuplacer score of 55 or above or Accuplacer score of 40-54 with a 3.5 cum GPS or a B or better in Algebra 2

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

Prerequisites: Passing grade in College Algebra

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. All students will take the mandated End-of-Course Exam (AIR) to earn graduation points.

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, poetry and non-fiction texts and developing clarity of expression. Constructing and refining meaning through reading, writing, listening, speaking and researching are skills that will be developed. All students will take the mandated End-of-Course Exam (AIR) to earn graduation points.

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. All students will take the mandated End-of-Course Exam (AIR) to earn graduation points.

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. All students will take the mandated End-of-Course Exam (AIR) to earn graduation points.

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.

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 refining meaning through reading, writing, speaking and listening are skills that will be developed.

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, incorporation 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.

INTRO TO JOURNALISM (LA23)

1 credit

Grades 10-12

This introductory course combines journalism and mass media and serves as the prerequisite for students who want to be on the newspaper production staff or want an introduction to journalistic writing/communication techniques. The course will cover basic journalistic writing skills as well as critical thinking/reading skills. Additionally, the course examines the various forms of mass media, journalism ethics, mass media's influence on society, and relevant legal issues. Coursework includes news and related writing assignments as well as projects related to media.

NEWSPAPER (LA35)

1 credit

Grades 10-12

Prerequisite: Intro to Journalism, application and teacher permission

This laboratory-type course produces the GHS student newspaper The Paw Print. Students will be involved in all the basics of planning, editing, reporting, writing, layout/design, circulation, advertising, sale of advertising and photography. Intense participation is expected. This is a production class in which meeting deadlines and maintaining regular attendance are essential. After school work may be required. This course may be repeated for credit.

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

LIGHTS, CAMERA, ACTION! This class will encompass cinematic concepts such as framing, lighting, editing and sound without getting too technical. We will begin the class with early silent film history, then move into films recognized as academy award winners (by decade and genre). Films for dramatic, cinematic and literary examination may include: *Citizen Kane*, *Casablanca*, *On the Waterfront*, as well as other top rated films on the American Film Institute's top 100 list.

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 has adopted from 6th grade math through Pre-Calculus and AP Stats. 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. Ultimately, students learn more and develop perseverance, problem solving skills and other soft skills when they are required to engage and reengage with the ideas over the course of months or even years.

ALGEBRA 1 (MT02)

1 credit

Grades 9-10

Prerequisite: 8th grade math

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. This course is NCAA approved. All students will take the mandated End-of-Course Exam (AIR) to earn graduation points. Required Calculator options: TI-30 XIIS scientific or any TI-84 graphing calculator.

GEOMETRY (MT03)

1 credit

Grades 9-10

Prerequisite: Passing grade in Algebra 1

This course contains the same content as Honors Geometry, but with less emphasis on formal proofs and at a less rigorous pace. This course is NCAA approved. All students will take the mandated End-of-Course Exam (AIR) to earn graduation points. Required Calculator options: TI-30 XIIS scientific or any TI-84 graphing calculator.

HONORS GEOMETRY (MT04)

1 credit

Grade 9

Prerequisite: Grade of 85% or higher in 8th grade Algebra 1

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. This course is NCAA approved. All students will take the mandated End-of-Course Exam (AIR) to earn graduation points. Required Calculator options: TI-30 XIIS scientific or any TI-84 graphing calculator.

ALGEBRA 2 (MT06)

1 credit

Grades 9-12

Prerequisite: Passing grade in Algebra 1 & Geometry

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

HONORS ALGEBRA 2 (MT07)

1 credit

Grades 9-11

Prerequisite: Grade of 85% or higher in Honors Geometry & Honors Algebra 1

This course provides an enhancement of Algebra and a foundation for Pre-Calculus and AP 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. This course is NCAA approved. A TI-84 graphing calculator is required.

FINANCIAL ALGEBRA (MT12)**1 credit****Grades 12**

Prerequisite: This course is designed for students that earned lower than 70% in Algebra 2

This course does not prepare students for college math. This course was specifically developed to teach students mathematical skills and problem solving for everyday living. A scientific calculator is required.

FUNCTIONS, STATISTICS AND MODELING (MT13)**1 credit****Grade 12**

Prerequisite: Passing grade in Algebra 2 and teacher recommendation.

The purpose for this course is to help a student who plans to go on to college or take a College Credit Plus (CCP) course. This program is designed as a fourth-year course for students who have been administered both mathematics end-of-course exams and have a credit in Algebra 2. The course is designed to promote reasoning, problem solving, and modeling through thematic units focused on the mathematical practices while reinforcing and extending content in Number and Quality, Algebra, Functions, Statistics and Probability, and Geometry. It is a year-long course taught using student centered pedagogy. A TI-84 graphing calculator is required.

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. This course is NCAA approved. A TI-84 graphing calculator is required.

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. This course is NCAA approved. A TI-84 graphing calculator is required.

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

Prerequisite: Grade of 90% 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. This course is NCAA approved. A TI-84 graphing calculator 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.

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. This course is NCAA approved. A TI-84 graphing calculator is required.

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

Prerequisite: Grade of 90% or higher in Pre-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, limits, and integral calculus. This course is NCAA approved. A TI-84 graphing calculator is required.

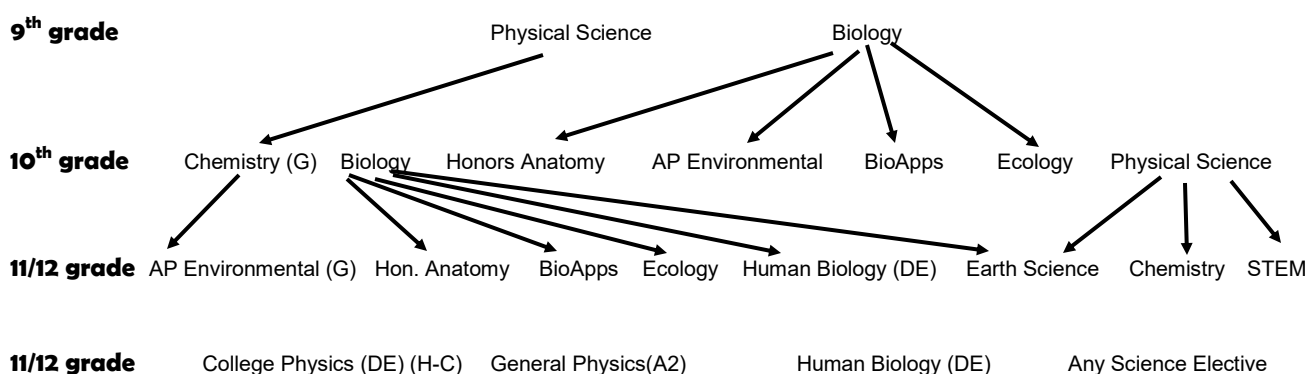
Any student enrolled in an AP course is required to take both the final exam in April and the College Board AP exam in May. There is a fee for the AP exam. Any students with financial concerns should see his or her guidance counselor.

SCIENCE

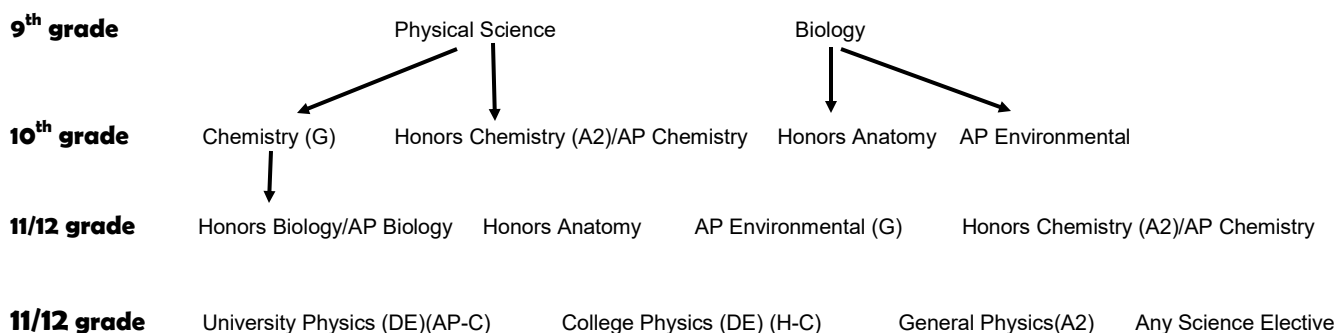
Please use these flowcharts in conjunction with the science course descriptions and mathematics requirements to schedule your classes. These flowcharts should be used as a general guide and not as a fluid map of Science study. Of the four units of Sciences that are required for graduation, at least one 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 are 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, (AP-C) indicates students must be concurrently enrolled in AP- Calculus; (H-C) indicates that students must be concurrently enrolled in Honors Calculus or higher math.

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. All students will take the mandated End-of-Course Exam (AIR) to earn graduation points.

HONORS BIOLOGY/AP PREPARATION (Biological) (SC32) 1 credit

Grades 11-12

Prerequisite: 83% in Chemistry or Honors Chemistry

This course is a requirement for any student who wishes to take AP Biology. It will be offered in the fall semester of each school year and should be taken during the same school year as AP Biology. This course involves a detailed and accelerated study of plants, cellular processes (energy and communication), information transfer 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. All students will take the state mandated End-of-Course Exam (AIR) unless going on to AP Biology where they will take the AP Biology Exam to earn graduation points.

AP BIOLOGY (Biological) (SC22)

1 credit

Grade 11-12

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

AP Biology course is designed to be the equivalent of the general biology 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: evolution, cellular processes (energy and communication), genetics, information transfer, ecology, and interactions. 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 85% 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 Honors 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 (including dissections) and Microbiology. Students will design and conduct lab experiments, use technology and math, and research and communicate scientific ideas.

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.

STEM (Physical) (SC24) 1 credit Grade 11-12

Prerequisite: Physical Science and Biology

This is an elective course for students who enjoy problem/project based hands on learning. The course is designed to increase the students ability to analytically approach real life problems using science, technology, engineering, and math. Students will evaluate real life problems and use the scientific method to understand the mechanism of the problem and then apply the engineering design process to create practical solutions.

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 mandated End-of-Course Exam (AIR) to earn graduation points.

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 mandated End-of-Course Exam (AIR) to earn graduation points.

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**

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 mandated End-of-Course Exam (AIR) to earn graduation points.

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: 70% average in Language Arts

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: 70% average in Spanish I

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

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 11-12

Prerequisite: 80% average in Spanish III

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 11-12

Prerequisite: 80% average in Spanish III

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. A summer assignment is required.

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. 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: 70% average in Language Arts*

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: 70% average in German I*

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.

GERMAN III (WL13)**1 credit****Grades 10-12***Prerequisite: 75% average in German II and teacher recommendation*

By the end of the course, a German 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 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 IV (WL14)**1 credit****Grades 11-12***Prerequisite: 80% average in German III*

This course offers students the opportunity to fine tune their language skills by reading numerous articles on pertinent areas of concern for German speaking nations, novels, short stories and poetry. Understanding of German literature and increased fluency are simultaneous goals. Grammar, composition, oral skills and creative writing are emphasized and refined. By the end of this course, a student will be expected to communicate at the intermediate-mid level according to the national ACTFL (American Council of the Teaching of Foreign Languages) standards. Class is conducted nearly all in German.

FRENCH I (WL07)**1 credit****Grades 9-12***Prerequisite: 70% average in Language Arts*

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: 70% average in French I*

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*

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.

HONORS FRENCH GRAMMAR/AP PREPARATION (WL10) 1 credit**Grades 11-12***Prerequisite: 85% average in French III 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: Formulate questions and answers as well as describe and narrate with strings of sentences. Both students and instructor use French almost exclusively. Students continue to refine previous reading, listening, speaking and writing skills with an emphasis on grammar as well as compare and contrast cultures embedded in the course content as well as interact with the language beyond the school setting. Using all modes of communication, assessments will measure what students can do with the language. This course is designed to prepare students for the AP French Language and Culture course.

AP FRENCH (LANGUAGE AND CULTURE) (WL19)**1 credit****Grades 12***Prerequisite: Honors French Grammar/AP Preparation and teacher recommendation*

The purpose of this course is to prepare students to take the AP exam in May. AP French Language and Culture is a demanding course which is meant to be the equivalent of 5th or 6th semester college French. 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 standards: 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 French, as well as a willingness to devote considerable time to homework and study are necessary to succeed. Both students and instructor use French almost exclusively. Students will experience the French-speaking world by reading and listening to authentic sources. Students will write and speak about their understanding of new and familiar topics and also compare and contrast cultures embedded in the course content. A summer assignment is also 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.

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 (SP02)

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. All students will take the mandated End-of-Course Exam (AIR) to earn graduation points.

LANGUAGE ARTS 2B (SP03)

1 credit

Grade 10

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. All students will take the mandated End-of-Course Exam (AIR) to earn graduation points.

LANGUAGE ARTS 3B (SP04)

1 credit

Grade 11

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.

LANGUAGE ARTS 4B (SP05)

1 credit

Grade 12

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.

ALGEBRA 1B (SP08)

1 credit

Grade 9

This is a CPM course taught at a slower pace and with supplemental materials. The purpose of this course 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. All students will take the mandated End-of-Course Exam (AIR) to earn graduation points.

GEOMETRY 3B (SP09)

1 credit

Grade 10-11

This is a CPM course taught at a slower pace and with supplemental materials. This course deals mainly with logic and problem solving through application of geometric concepts. This content consists of the basic ideas of geometry. All students will take the mandated End-of-Course Exam (AIR) to earn graduation points.

CONSUMER MATH 4B (SP11)

1 credit

Grade 12

This course was specifically developed to teach students the mathematical and problem solving skills needed for everyday living.

ALGEBRA 2B SURVEY (SP10)

1 credit

Grade 11-12

This course contains the same content as Algebra 2 at a less rigorous pace and in a smaller class size.

PHYSICAL SCIENCE 1B (SP13)

1 credit

Grade 9

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

BIOLOGY 1B (SP14)**1 credit****Grade 10**

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. All students will take the mandated End-of-Course Exam (AIR) to earn graduation points.

EARTH SCIENCE 3B (SP15)**1 credit****Grade 11**

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, research, and problem-based learning experiences, with an emphasis of the impact of natural events on our everyday lives.

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**

This course examines the history of the United States of America from 1877 to 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 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 perspective to draw conclusion. All students will take the mandated End-of-Course Exam (AIR) to earn graduation points.

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**

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 mandated End-of-Course Exam (AIR) to earn graduation points.

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, improvisation, movement, staging, script interpretation and characterization. Students will perform scripted scenes from memory. A One-Act Showcase is the culminating performance experience at the end of the term.

DRAMA 2 (PA02) **1 credit (repeatable)** **Grades 10-12**
Prerequisite: Drama and /or Musical Theatre and audition

Drama 2 is a performance oriented, advanced acting class offered to students who have successfully completed Drama and/or Musical Theatre and wish to learn and experience more about performing and producing plays. Some out of school rehearsal time is required. Students in this class become the cast for the annual GHS Spring Play.

MUSICAL THEATER (PA30) **1 credit (repeatable)** **Grades 10-12**
Prerequisite: Singing, Dancing and Acting auditions

Musical Theater is an exciting course designed for students who will be performing in the annual Green High School Musical. Students will discover the elements of a musical, how to prepare and perform a Musical Theatre role, and develop acting, vocal and choreographic skills. The business and production aspects of Musical Theatre will also be explored. Extensive non school hours rehearsal time is required.

STAGE PRODUCTION (PA03) **1 credit** **Grades 9-12**
Repeatable for credit with teacher approval

What happens behind the scenes of a show is just as important as the performance the audience sees on the stage. Stage Production is a class created for students who are interested in the technical and production aspects of theatre. Major course units include lighting, sound, set design and construction, costuming and makeup. Students in this class serve as crew members for GHS, GMS and GIS stage productions. 15 hours of after school rehearsal/production time is required each quarter.

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

CONCERT BAND (PA09)	1 credit	Grade 9
MARCHING BAND (PA11)	.5 credit	Grades 9
SYMPHONIC BAND & WIND ENSEMBLE (PA10)	1 credit	Grades 10-12
MARCHING BAND (PA13)	.5 credit	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.

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. Students choosing to take the athletic or medical exemption will receive 1 credit.

VOCAL MUSIC

MEN'S CHORUS (PA05)	1 credit	Grade 9-12
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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
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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) <i>Prerequisite: Audition by Director</i>	1 credit	Grades 10-12
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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) <i>Prerequisite: Audition by Director and enrollment in Men's Chorus, Women's Chorus or Select Choir</i>	1 credit	Grades 10-12
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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.

WEIGHT TRAINING AND CONDITIONING (PE09)

.5 credit

Grades 9-12

This year long course 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-DIMENSIONAL ART CLASSES

(drawing, painting, collage, pastels, cut paper, mosaic and printmaking)

2-DIMENSIONAL ART 1 (UA01)

1 credit

Grades 9-12

This class is designed to give students an opportunity to explore and learn about different two-dimensional art. Students will learn about composition, shading, perspective, creating depth on a 2-dimensional surface, and color in a variety of art mediums while creating different projects. Students will work in drawing, painting, and printmaking. This class is a prerequisite for 2-Dimensional Art 2 and Graphic Design.

2-DIMENSIONAL ART 2 (UA02)

1 credit

Grades 10-12

Prerequisite: 83% in 2-Dimensional Art 1

Students will build on skills learned in 2-dimensional Art 1. An emphasis will be placed on drawing from observation, creative solutions and problem solving, and communicating meaning in artwork. Students will conduct research to expand understanding of artistic techniques. Students will work in a variety of media such as graphite, colored pencil, watercolor, acrylic and chalk pastel.

2-DIMENSIONAL ART 3 (UA03)

1 credit

Grades 11-12

Prerequisite: 93% in 2-Dimensional Art 2

Students will create artworks that require experimentation, imagination, and personal expression. An emphasis will be placed on creating meaning in art. Research, planning and reflection will be important aspects of artistic development. Students will continue work in similar materials, with a stress on mixed media. Students will create works suitable for a portfolio and scholarship consideration.

2-DIMENSIONAL 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, log personal reflection about their work, and create art which displays personal meaning and skill development.

3-DIMENSIONAL ART CLASSES

(clay and sculptural materials such as wood, paper mache, stained glass and cardboard)

3-DIMENSIONAL ART 1 (UA05)

1 credit

Grades 9-12

Clay, clay and more clay. Get down and dirty with the foundations of how to make ceramic art. You will create a variety of projects, decorative things to look at, and functional things to eat and drink out of. You will learn about three-dimensional composition and design principles. Making and creating will all be done by hand. An introduction to the history of sculpture and ceramics will be explored in this level one sculpture class.

3-DIMENSIONAL ART 2 (UA06)

1 credit

Grades 10-12

Prerequisite: 83% in 3-Dimensional Art 1

More clay... Sculpting on a larger scale. Designing and sculpting will be for the advanced art student, developing forms and ideas about art and our world. Emphasis will be on craftsmanship, productivity and personal expression. Advanced color theory will be explored. Making and creating will be done primarily by hand with an introduction to the potter's wheel. This class is designed for the more independent thinker and creative type. The history of ceramic art in America and production pottery will be explored.

3-DIMENSIONAL ART 3 (UA07)**1 credit****Grades 11-12***Prerequisite: 93% in 3-Dimensional Art 2*

And more and more clay... Sculptural artwork will include realistic depictions, abstract interpretations and functional and decorative pieces. An emphasis will be placed on textural, three-dimensional surfaces, skill development and personal expression. These works will require research, planning and reflection as important aspects of artistic development. Students will create works suitable for a portfolio and scholarship consideration.

3-DIMENSIONAL 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 PHOTOGRAPHY (UA12)****1 credit****Grades 9-12**

A digital camera is required for this course. ***A limited number of cameras will be available to check out.***

Students will learn the fundamentals of composing quality images, how to use a digital camera, downloading images to a computer, printing, uploading to a blog and creation an online digital portfolio. Students will work in Adobe Photoshop. Photo basics such as portraits, action and landscape advance to creative assignments including multiple exposure, montage and stop motion videos. Cell phones are not permitted as cameras. Cameras may include point and shoot or digital SLR. Cameras should have settings (macro, action, night, landscape) and have 10 or more megapixels.

GRAPHIC DESIGN (UA11)**1 credit****Grades 11-12***Prerequisite: 83% in Photo 1 or 2-Dimensional Art 1*

Graphic Design is a form of art that relays a message through the combination of images and text. Students are given the opportunity to use, learn, and explore with our schools great digital resources. Students will be exposed to and create computer artwork using a variety of programs and tools used by professionals. Programs include Photoshop and Illustrator. Students will learn about digital painting, typography, and creating art that delivers a message.

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 - 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 corporations. 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. 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. Students will be required to journal and reflect on their experience. Students must complete an application to be considered for the class.

OFFICE AIDES: (Main, Student Services, Athletic, Media Center) No credit Grades 10-12

Students must receive approval from administration. Students must maintain good attendance, good academic standing and have the ability to maintain confidentiality. Students must be open and willing to do any task asked.

TEACHER AIDES:**No credit****Grades 10-12**

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.

SKILLS FOR SUCCESS (VR20)**1 credit****Grades 9-10**

This course will offer students the opportunity to develop the skills needed to be a successful high school student. Topics that will be covered: goal setting, time management, mindfulness techniques to reduce anxiety and stress, study skills, job/career exploration, employability skills, and the 3 E's (enrollment, enlistment, employment). Students will begin to explore job/career readiness through the development of an individualized student career portfolio to begin to set goals for their plans after high school.

SUCCESS AFTER HIGH SCHOOL (VR21)**1 credits****Grades 10-12**

This course is designed to help students develop the skills needed to be successful at school and to determine their path after graduation. Students will explore job/career readiness through the development (or continuation) of a student career portfolio. Student portfolios will be individualized to meet their goals for enrollment, enlistment or employment. Course opportunities will include: guest speakers, job shadowing, visits to employment sites, and college partners.

EMPLOYABILITY FOUNDATIONS AND DEVELOPMENT JUNIOR YEAR (VR10)**1 credit**

Prerequisite: Junior status and enrollment at the PLCC

This course introduces students to several career fields encompassing aspects of business, finance, and marketing. Students will obtain knowledge and skills in fundamental business activities applicable to numerous career paths. They will acquire knowledge of business processes, economics, and business relationships while utilizing technology to synthesize and share business information. Students will also obtain fundamental knowledge and skills in marketing communications, marketing management, marketing research, merchandising, and professional selling. They will acquire knowledge of marketing strategies, market identification techniques, business ethics and law, economic principles and international business. Technology, leadership, and communications will be incorporated in classroom activities in addition to a focus on employability skills, leadership, communications and personal financial literacy.

EMPLOYABILITY FOUNDATIONS AND DEVELOPMENT SENIOR YEAR (VR11)**2 credits**

Prerequisite: Senior status and enrollment at the PLCC

Students in this course will apply management and motivation theories to plan, organize, and direct staff toward goal achievement. They will learn to manage a workforce, lead change, and build relationships with employees and customers including exploring ways to develop a professional network. Students will use technology to analyze business environments, determine trends impacting business, and examine risks threatening organizational success. Ethical challenges, project management, and strategic planning will also be addressed. Students must complete a capstone applying the knowledge, attitudes and skills that were learned in a more comprehensive and authentic way. Capstones often include project-/problem-based learning opportunities that occur both in and away from school. Under supervision of the school and through community partnerships, students may combine classroom learning with work experience.

COOPERATIVE BUSINESS EDUCATION (CBE) (VR13)**5 credits****Grade 12**

Prerequisite: Senior status and enrollment at the PLCC

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 2016, MS Word, Excel, PowerPoint, Access and Publisher. 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.

AP COMPUTER SCIENCE PRINCIPLES (CM32) 1 credit **Grades 10-12**

This course introduces you to the foundations of computer science with a focus on how computing powers the world. Along with the fundamentals of computing, you will learn to analyze data, create technology that has a practical impact, and gain a broader understanding of how computer science impacts people and society. The AP CSP course is organized around seven **big ideas**, which are: Creativity, Abstraction, Data and Information, Algorithms, Programming, The Internet, and Global Impact.

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 class 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

ROTC 1 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)

ROTC 2 and ROTC 3 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.

Physical Training (PT)

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

ROTC 2 and ROTC 3 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)

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.

Fourth Year Students

ROTC 4 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 PLCC will graduate from Green High School. Students can attend PLCC and still participate in band, athletics, and other extra-curricular clubs and activities at GHS. Bus transportation will be provided to and from PLCC 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. Please note; students in need of End of Course test remediation will not be eligible for full day placement at the PLCC.

Arts and Communication Career Path

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

Information Technology ACADEMY

3 credits/year

Prerequisite: Junior status

PLCC's Information Technology ACADEMY is a focused learning community designed to offer students the opportunity to explore computer science, computer & network engineering, programming & software development, and cyber security. Students will spend their junior year learning and exploring coursework that introduces them to the scope and discipline of the Information & Technology career path. At the end of the junior year, students will select either Programming/Web Development or Networking/Cyber Security as their area of concentration to complete their senior year. *Students can potentially earn college credits in this program.*

Agricultural and Environmental Services Career Path

Enviroscape Technology (HORT)

3 credits/year

Prerequisite: Junior status

In the Enviroscape Technology program (formerly known as 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 construction & maintenance of ground, gardens and golf courses. The operation of motorized equipment, such as a skid steer, lawn edger, power sprayer, roto-tiller, and lawn mower is included in the program. Twice a year, students conduct seasonal plant sales, open to the public, for a practical and rewarding experience. *Students can potentially earn college credits in this program.*

Health Science Career Path

Pre Nursing (PN)

3 credits/year

Prerequisite: Junior status

The Pre-Nursing program offers the perfect starting point for a student who is planning 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

Prerequisite: Junior status

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. 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 Path

Cosmetology (COS)

3 credits/year

Prerequisites: 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.*

Hospitality & Tourism Career Path

Culinary Arts (CA)

3 credits/year

Prerequisites: 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.*

Law & Public Safety Career Path

Fire Academy (FA)

3 credits/year

Prerequisites: 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.*

Transportation Systems Career Path

Automotive Technology (AUTO)

3 credits/year

Prerequisites: Junior status

Students in the Automotive Technology program will gain knowledge and experience in the challenging field of automotive service and repair. This is an Automotive Service Excellence (ASE) nationally certified program, where students learn mechanical service repair and diagnostics on cars and light trucks. Practical experience is gained in the areas of engine service and repair, brakes, electrical, steering, suspension systems and engine performance.

Aviation Technology (ATV)

3 credits/year

Prerequisites: 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.*

Construction Technologies Career Path

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.*

Electrical Technology (ET) 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 college credits in this program.*

Engineering & Manufacturing Career Field

Engineering, Robotics & Manufacturing ACADEMY

3 credits/year

Prerequisite: Junior status

In the Engineering, Robotics & Manufacturing ACADEMY, students engage in the design, prototyping and manufacturing of products & devices that drive modern life. Students will spend their junior year learning and exploring coursework that introduces them to the scope and discipline of engineering technology, robotics, and advanced manufacturing. At the end of the junior year, students will have the option to choose from Architectural Design/Advanced Manufacturing Design or Machining/Robotics as their area of concentration to complete their senior year. *Students can potentially earn college 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.*

Career Exploration

(Special Admissions Program)

Industrial Career Exploration

3 credits/year

Prerequisite: Junior status and Counselor recommendation required

Industrial Career Exploration is a unique program that provides job training and support that begins in the classroom and is transitioned to a supported work place setting. During the first year of the program, students will engage in job training activities supported by their classroom instructor and a classroom aide. They will explore existing Career Technical Programs at PLCC such as: Building Trades, Electrical Technology, Welding and HVAC. During the second year in the program, students will continue to develop their employability and independent living skills through specific transition services and instruction in the classroom for 2 days of the week. The remaining 3 days of the week, students will be transported to work sites to apply their skills in a supported environment for up to 2 hours a day.

Hospitality Career Exploration

3 credits/year

Prerequisite: Junior status and Counselor recommendation required

Hospitality Career Exploration is a unique program that provides job training and support that begins in the classroom and is transitioned to a supported work place setting. During the first year of the program, students will engage in job training activities within the Portage Lakes Career Center facility. They will work to develop basic skills in housekeeping, laundry operations, dietary care, grounds-keeping, customer service, retail services, and basic food preparations. During the second year in the program, students will continue to develop their employability and independent living skills through specific transition services and instruction in the classroom for 2 days of the week. The remaining 3 days of the week, students will be transported to work sites to apply their skills in a supported environment for up to 2 hours a day.

Green Campus Career & Technical Programs

Business, Management & Administrative Career Path

Cooperative Business Education (CBE)

5 credits

This senior-only cooperative education program provides students with the basic knowledge of business principles and practices and prepares them for employment in the business field. Employment at a local job site for at least 15 hours per week is a requirement of this program. Students must provide their own transportation to and from the job site. *Students can potentially earn college credits in this program.*

Employability Foundations and Development Junior Year

1 credits

Prerequisite: Junior status and enrollment at the PLCC

This course introduces students to several career fields encompassing aspects of business, finance, and marketing. Students will obtain knowledge and skills in fundamental business activities applicable to numerous career paths. They will acquire knowledge of business processes, economics, and business relationships while utilizing technology to synthesize and share business information. Students will also obtain fundamental knowledge and skills in marketing communications, marketing management, marketing research, merchandising, and professional selling. They will acquire knowledge of marketing strategies, market identification techniques, business ethics and law, economic principles and international business. Technology, leadership, and communications will be incorporated in classroom activities in addition to a focus on employability skills, leadership, communications and personal financial literacy.

Employability Foundations and Development Senior Year**2 credits***Prerequisite: Senior status and enrollment at the PLCC*

Students in this course will apply management and motivation theories to plan, organize, and direct staff toward goal achievement. They will learn to manage a workforce, lead change, and build relationships with employees and customers including exploring ways to develop a professional network. Students will use technology to analyze business environments, determine trends impacting business, and examine risks threatening organizational success. Ethical challenges, project management, and strategic planning will also be addressed. Students must complete a capstone applying the knowledge, attitudes and skills that were learned in a more comprehensive and authentic way. Capstones often include project-/problem-based learning opportunities that occur both in and away from school. Under supervision of the school and through community partnerships, students may combine classroom learning with work experience.

Early College High School (ECHS)**Earn your Associate Degree early and free!***Prerequisite: Junior Status, Additional application & Acceptance process, Full Day Status*

If you are eager for a challenge and prepared to tackle college-level academics in high school, ECHS may be a perfect fit. Fulfill your academic requirements and get a head start on a FREE 2-year Associate Degree from the University of Akron's Applied Science and Technology. Students who are accepted into this option will earn technical credits through their career technical program and complete their academic general education requirements in PLCC's Distance Learning Lab. All College expenses, including textbooks and tuition are covered by Portage Lakes Career Center. Each Associate Degree has a path to a Bachelor's Degree and additional graduate education opportunities at the University of Akron and other institutions across Ohio.