Gateway High School

Program of Studies 2024-2025

Dear Students and Families:

The Gateway School District Board of Education endorses a comprehensive secondary program of studies designed to meet the varied educational needs and career objectives of high school students. By utilizing this booklet, students will be aided in selecting appropriate courses and academic programs.

During the scheduling process, students meet with their teachers and counselors to discuss individual needs and career objectives. Academic records, standardized test scores and individual teacher's recommendations are utilized in the course selection process.

After teacher recommendations are made, Skyward opens for student and parent review. Parents are invited to consult with the counselors regarding course selections. The student's program receives individual consideration based upon counseling and cooperation between the school and the home.

Parents are urged to carefully evaluate their child's program to ensure pursuit of career objectives and appropriate course selections to meet graduation requirements.

This Program of Studies is designed to assist you in planning your educational and career readiness program at Gateway High School. It provides information about program offerings, individual courses, counseling services, and graduation requirements.

Various curricular options are available to fulfill your needs, abilities, and interests. Please review the options and be certain you select courses needed to fulfill graduation requirements and meet your career objectives.

Please work cooperatively with your teachers and counselors to establish your career goals and identify the courses for your planned program of studies. If you have any questions about your course selections or career objectives, consult your counselor.

Sincerely,

Justin G. Stephans
GHS Principal

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MISSION STATEMENT

The mission of the Gateway School District, in cooperation with parents and other members of the community, is to provide quality educational opportunities for all students, to promote academic excellence in a safe and caring environment, to enhance self-confidence through personal responsibility, and to develop life-long learners who will be productive citizens in a diverse and changing world.

VISION

The vision of the Gateway School District is that all students will espouse the characteristics symbolic of the Gateway Seal: Scholarship, Leadership, and Sportsmanship.

Scholarship is part of learning. Honorable scholarship is not just the desire to achieve recognition or complete an assignment, but the effort to explore knowledge in formal classes and everyday experiences.

Leadership is academics, sports, activities, and good student citizenship should be the ideal of every student. A goal to contribute to the betterment of society, as a youth or as an adult, demands intelligent and rational leadership.

Sportsmanship on and off the field of contest is our own aim and, hopefully, our accomplishment. Sportsmanship is trying to win, but not at the sacrifice of honor or pride. It is the position of losing but cheering the victors and the position of winning gracefully.

PATHWAYS TO GRADUATION

INTRODUCTION

Act 158 of 2018 (Act 158) and Act 6 of 2017 (Act 6) amended §121 of the Pennsylvania Public School Code, establishing five different pathways by which students may meet the statewide graduation requirements under Title 22 Chapter 4. The Keystone Proficiency and Keystone Composite Pathways rely on student performance in three academic areas (Algebra I, Biology, and Literature), proven to be predictive of postsecondary success; whereas the Career & Technical Education (CTE) Concentrator, Alternative Assessment, and Evidence-Based Pathways were designed to more fully illustrate students' college, career, and community readiness through other student artifacts and experiences.

All students 21 years of age or younger legally entitled to attend a commonwealth public school and enrolled in school entities as defined are subject to Pennsylvania graduation requirements. Special considerations are provided for students in specific situations; however, no students are exempted.

This document is designed to provide guidance on each of the five pathways to graduation, as well as other diploma options, and on the implementation of statewide graduation requirements. Additional information and resources are available HERE.

KEYSTONE ACADEMIC CONTENT

Numeric scores are attained through participation in Keystone Exams. A student who participates in a Keystone Exam receives both a numeric score (e.g., 1500) and a corresponding performance level (e.g., Proficient).
Non-numeric 'scores' (performance level only) are attained by demonstrated proficiency through comparable coursework and an equivalent assessment in a prior educational setting (transfer student), or through successful completion of a Keystone-associated course during the 19/20 school year (per Pa. Act 136 of 2020). Non-numeric scores may not be assigned a numeric equivalency; *Proficient* is the only non-numeric score that may be awarded.
To award a non-numeric Proficient for student performance in a prior educational setting (during a school year other 19/20), the LEA must:

- Determine a standardized assessment the student completed aligns with the state academic standards assessed by the Keystone Exam, AND
- Evaluate the student's performance to be commensurate with a Keystone Exam score of Proficient or better, AND
- Verify the transcript shows credit earned in the associated academic content (Algebra 1 or equivalent, Literature or equivalent, Biology 1 or equivalent).

Where a student has earned an NNP and has also tested, whichever score (numeric or non-numeric) is most advantageous may be utilized.

KEYSTONE PROFICIENCY PATHWAY

Students achieving minimum scaled scores of 1500 or better (or who qualify for non-numeric scores of Proficient) in each of the three Keystone Exams meet the Keystone Proficiency statewide requirements for high school graduation.

Students who do not have numeric or non-numeric scores of Proficient or Advanced in all three Keystone Exam areas (Algebra I, Biology, and Literature) do not qualify for this pathway.

Where a student performance level on Keystone academic content is determined without the associated Keystone Exam result, a non-numeric score is assigned. There are two allowable circumstances under which this might occur:

- The student has demonstrated proficiency through comparable coursework and an equivalent assessment in a prior educational setting (i.e., transfer student), or
- The student has demonstrated proficiency through Keystone related coursework per Pa. Act 136 of 2020.

Students who meet locally established, grade-based requirements for the Keystone content but who do not meet one of the two circumstances above may not be assigned a non-numeric score.

KEYSTONE COMPOSITE PATHWAY

To qualify for the Keystone Composite Pathway (3-score), a student must have taken all three Keystone Exams and must have:

- at least one Keystone Exam scaled (numeric) score of Proficient or Advanced
- no Keystone Exam scaled (numeric) score of Below Basic, AND
- a composite of the three scaled (numeric) scores *equal to* or greater than 4452.

Students without a numeric score in all three Keystone Exams, including students with one or more non-numeric Keystone Exam scores, do not qualify for the Keystone Composite Pathway (3-score). However, students without the requisite numeric scores may elect to participate in all three Keystone Exams in order to pursue this pathway.
To qualify for the Keystone Composite Pathway (2-score), a student must have earned *one** non-numeric Proficient (per Act 136 of 2020) and have achieved a Keystone Composite score of 2939 or greater in the *other two* Keystone Exams (not associated with the academic content for which the student earned a non-numeric Proficient). The 2- score composite is calculated using the highest numeric score in each of the other two Keystone Exams attained by the student, neither of which may be Below Basic and at least one of which must be Proficient or better.

NOTE: Unlike the 3-score composite, the student must successfully complete locally established, grade-based requirements for the academic content associated with the Keystone Exam in which the student has a Basic.
*Students who earned two non-numeric scores of Proficient per Act 136 are ineligible for the two-score Composite Pathway regardless of their participation in one or more Keystone Exams for which they were awarded the non- numeric score of Proficient.

CTE CONCENTRATOR PATHWAY

In addition to meeting local grade-based requirements for each Keystone Exam content area in which a student does not have a numeric or non-numeric score of Proficient/Advanced, the student must also meet one of the following:

- Attainment of an Industry-Based Competency Certification related to the CTE concentrator's program of study.

OR

- Demonstration of high likelihood of success on an approved Industry-Based Competency Assessment as demonstrated by performance on benchmark assessments, course grades, and other factors consistent with the CTE concentrator's goals and career plan and as determined by a chief school administrator in consultation with an area vocational-technical school director or principal of a comprehensive high school. The determination shall be made no later than the end of the eleventh grade, or, if a student enrolled in a one-year program, the end of the first semester of twelfth grade.

OR

- Demonstration of readiness for continued meaningful engagement in a CTE Concentrator Program of Study as demonstrated by performance on benchmark assessments, course grades, and other factors consistent with the CTE concentrator's goals and career plan and as determined by a chief school administrator in consultation with an area vocational-technical school director or principal of a comprehensive high school. The determination shall be made no later than the end of the eleventh grade, or, if a student enrolled in a one-year program, the end of the first semester of twelfth grade.

ALTERNATE ASSESSMENT PATHWAY

In addition to meeting local grade-based requirements for *each* Keystone content area in which a student has neither a numeric score ≥ 1500 nor a non-numeric score of Proficient, the student must also meet **one** of the following:

The student must meet or exceed any ***one*** of the established scores for the following approved alternative assessments *regardless of the number of Keystone Exams for which the student does not have a numeric or non- numeric score of Proficient or Advanced.*

- ACT - composite score of 21
- ACT WorkKeys NCRC (National Career Readiness Certificate) - Gold Level*
- ASVAB [Armed Forces Qualifying Test (AFQT)] - composite score of 31**
- PSAT/NMSQT - total score of 970***
- SAT - total score of 1010

For example, a student who only demonstrated Proficiency in the Keystone Literature Exam would need to:

1. Meet locally established grade-based requirements in both the Algebra I and the Biology courses, and
2. Achieve the established score or higher on one of the above approved alternative assessments.

* The ACT WorkKeys National Career Readiness Certificate (NCRC) is a credential earned by completing the following three WorkKeys assessments: Applied Math, Graphic Literacy, and Workplace Documents. Gold Level signifies that an individual has scored at least a Level 5 on each of the three ACT Workplace assessments.

** A subset of the Armed Services Vocational Aptitude Battery (ASVAB), the AFQT score determines basic qualification for enlistment and is comprised of Paragraph Comprehension, Word Knowledge, Mathematics Knowledge, and Arithmetic Reasoning. Neither the PiCAT nor the ASVAB with accommodations may be utilized to satisfy this criterion.

A student may participate in the ASVAB prior to senior year; however, the student's AFQT score must meet or exceed the minimum score for admittance to a branch of the armed services during the year in which the student graduates.

*** A PSAT score of 970 or better attained in either grade 10 or 11 satisfies this criterion; however, a score in the PSAT 8/9 may not be utilized as it is a different exam.

The student must score a 3 or higher on an approved Advanced Placement (AP) Exam for ***each*** Keystone Exam content area in which the student does not have a numeric or non-numeric score of Proficient or Advanced.

For example, a student who scored Proficient in only the Keystone Literature Exam would need to satisfy the following under this criterion:

1. Meet local grade-based requirements for both Algebra 1 and Biology, and
2. Score a 3 or higher on an approved AP Exam for Algebra I and score a 3 or higher on an approved AP Exam for Biology (see chart below).

NOTE: AP Exams aligned to more than one content area may only be attributed to one Keystone Exam (e.g., a score of 3 or better on AP Chemistry may be attributed only to Algebra I or to Biology, not both).

See grade level counselor to determine which AP classes have corresponding Keystone exams.

EVIDENCE-BASED PATHWAY

In addition to meeting local grade-based requirements for *each* Keystone content area in which a student has neither a numeric score *equal to* or greater than 1500 nor a non-numeric score of Proficient, the student must provide **three** pieces of evidence under this pathway *regardless of the number of Keystone Exams in which the student does not have a numeric or non-numeric score of Proficient or Advanced.*

Evidence should reflect readiness for meaningful postsecondary engagement consistent with the student's goals and career plan. *At* least one of the three pieces of evidence must come from the list in Section One, and no more than two pieces of evidence may come from the list in Section Two.

Section One ***# pieces of evidence***	**Section Two** ***# pieces of evidence***	**Section Requirements Met**
0	3	No
1	2	Yes
2	1	Yes
3	0	Yes

A student may satisfy certain types of evidence more than once, *provided each piece of evidence is earned through a different course, exam, credential, project, or program.* For example, in addition to meeting locally established grade-based requirements (where required), a student might satisfy this pathway through one industry-recognized credential under Section One and two different service-learning projects under Section Two.

NOTE: The same service-learning project may be used to satisfy both statewide graduation requirements and local graduation requirements, where applicable.

Section One ***Evidence that may be satisfied once***	**Section One** ***Evidence that may be satisfied more than once***
ACT WorkKeys	SAT Subject Test
IHE Acceptance & College Coursework Ability	AP Exam Score
	IB Exam Score
	Concurrent Enrollment or Other Postsecondary Course
	Industry-Recognized Credential
Section Two ***Evidence that may be satisfied once***	**Section Two** ***Evidence that may be satisfied more than once***
NCAA Compliance & Minimum GPA	Keystone Proficiency
Guarantee of Full-Time Employment	Service-Learning Project
	Internship, Externship, or Cooperative Education Program

The student must meet or exceed the established score of Silver Level on the ACT WorkKeys NCRC.

The ACT WorkKeys National Career Readiness Certificate (NCRC) is a portable, evidence-based credential earned by completing the following three WorkKeys assessments: Applied Math, Graphic Literacy, and Workplace Documents. Silver Level signifies that an individual has scored at least a Level 4 on each of the three ACT Workplace assessments.

The student must meet or exceed the established score of 630 on *any* SAT Subject Test.

NOTE: While the College Board no longer offers the SAT Subject Tests, students who have previously taken the test(s) may use the score(s) as evidence, provided that they have met the established score.

SCHEDULING TIMELINE AND PROCEDURE

1. Teachers select course recommendations for all core subjects based on pre-requisite guidelines and individual academic performance.

2. Counselors schedule a class meeting to review course selections and elective course options. Each counselor will review graduation requirements and career goals are being achieved. Gateway High School Counselors meet with 8th graders to review elective options and preliminary course selections. Ultimately scheduling graduation requirements are the responsibility of the parent and student.

3. Parents and students will have the ability to make course selections for the 2024-2025 school year in the spring of 2024. Dates will be communicated through the high school office. During this scheduling window, students can select elective courses to round out their schedules.

4. Once courses are selected and verified, the only changes permitted to a student schedule are errors or class conflicts.

5. English, Math, Science, and Social Studies are given priorities in this scheduling process over elective choices.

6. When scheduling, please select **CE** course codes only if you plan to be in Cyber for 4 periods or more in your day.

7. No student can override a teacher recommendation within the scheduling system. Parents/guardians can override a teacher recommendation during this scheduling window through the Skyward parent portal.
    a. Because of this parental right, it is essential to schedule students' core classes where they have the best opportunity for success; this will be stressed to all in attendance for the curriculum night.
    b. Parental override of a recommendation to take an honors course is permanent.

8. Students who do not make changes or add their elective courses in Skyward by the deadline will have all courses locked in based on staff recommendations and electives chosen by the counselor.

ALL SCHEDULE CHANGES MUST BE MADE THROUGH THE COUNSELING OFFICE BEFORE: **May 1, 2024**

DROPPING COURSES

Student schedules are the direct result of personal planning, parental consultation, and staff direction. Few educational endeavors are as important or time consuming as student scheduling. Once your course selections are made, approved, and processed, you are expected to adhere to that schedule. Therefore, please be aware that schedule change requests are considered only under the most extenuating circumstances.

Students are not permitted to drop or change courses after the deadline. If a student wishes to withdraw from a chosen course that was approved by the grade-level counselor and selected the May 1 deadline, the student may receive a failure to withdraw “FW” grade for the course.
If a student wishes to withdraw with no penalty from a course that was chosen because of a scheduling conflict, he/she must do so within ten school days from the start of the year in a full year course or within five school days from the start of the semester for a semester course. Failure to withdraw before the tenth school day may result in a “FW " grade for the dropped course. The assignment of a “FW" would be calculated in determining the student’s overall quality point average (QPA) and class rank.

CURRICULUM PROGRAM OPTIONS

ACADEMIC PROGRAMMING

Gateway High School offers a comprehensive academic program that focuses on college and career readiness skills. Students may choose courses primarily in a specific career pathway or may elect to enroll in courses that satisfy various personal career interests.

EARLY ADMISSIONS

This program is for students with exceptional abilities and maturity to enter approved colleges on a full-time basis in lieu of their senior year at high school. A Gateway diploma is awarded to students upon the successful completion of their freshman year of college. Approval of the Principal is required.

DUAL ENROLLMENT

Students with exceptional ability are provided the opportunity to take college courses at their own cost outside of the regular school day. College credits do not apply toward high school graduation and are not included on the high school student's transcript. Meet with your grade level counselor for more information.

COLLEGE IN HIGH SCHOOL

Gateway High School has agreements with local colleges to provide credit(s). Please see your counselor for more information.

AIM PROGRAM

Students enrolled in the AIM program have several options available that enable them to fulfill their Individualized Education Program (GIEP). Modifications are implemented through the AIM Resource Teacher.

SPECIAL EDUCATION

The Gateway School District engages in identification procedures to ensure that students with disabilities receive an appropriate educational program consisting of special education and related services that are individualized to meet student needs. An Individual Education Program Team, with parent involvement, works together to establish and maintain an appropriate Individualized Education Plan (IEP). Gateway High School offers a wide range of special education services and specially designed instruction in both regular and special education classrooms. For information on the special education process within the Gateway School District and additional resources, click here.

AP COURSES

Twenty courses at Gateway High School have the advanced placement designation where students can earn college credits by passing the AP exam in May. Courses are designated as AP in the course listing.

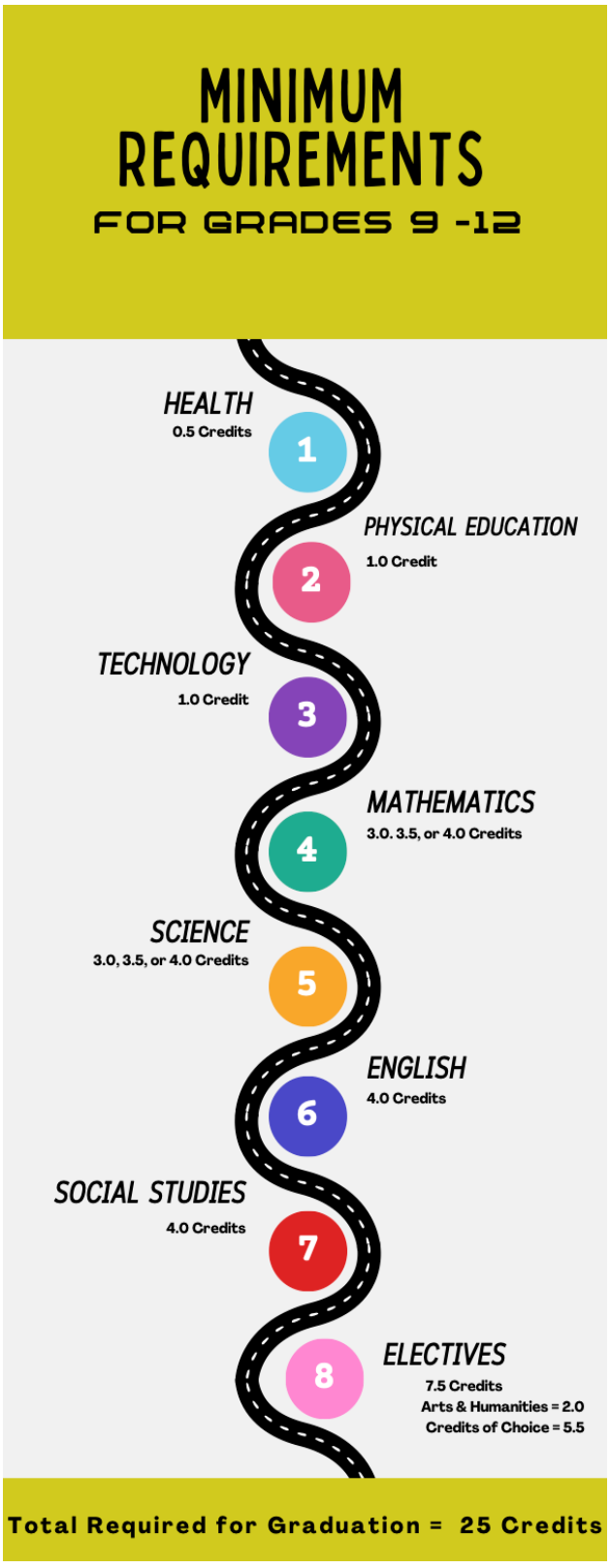
GRADUATION REQUIREMENTS

To graduate from Gateway High School, students must successfully earn a minimum of 25 required credits during grades 9 through 12 with a minimum of 6.25 credits each year. Students must take a total of 7 combined credits in math and science with a minimum of 3 each.

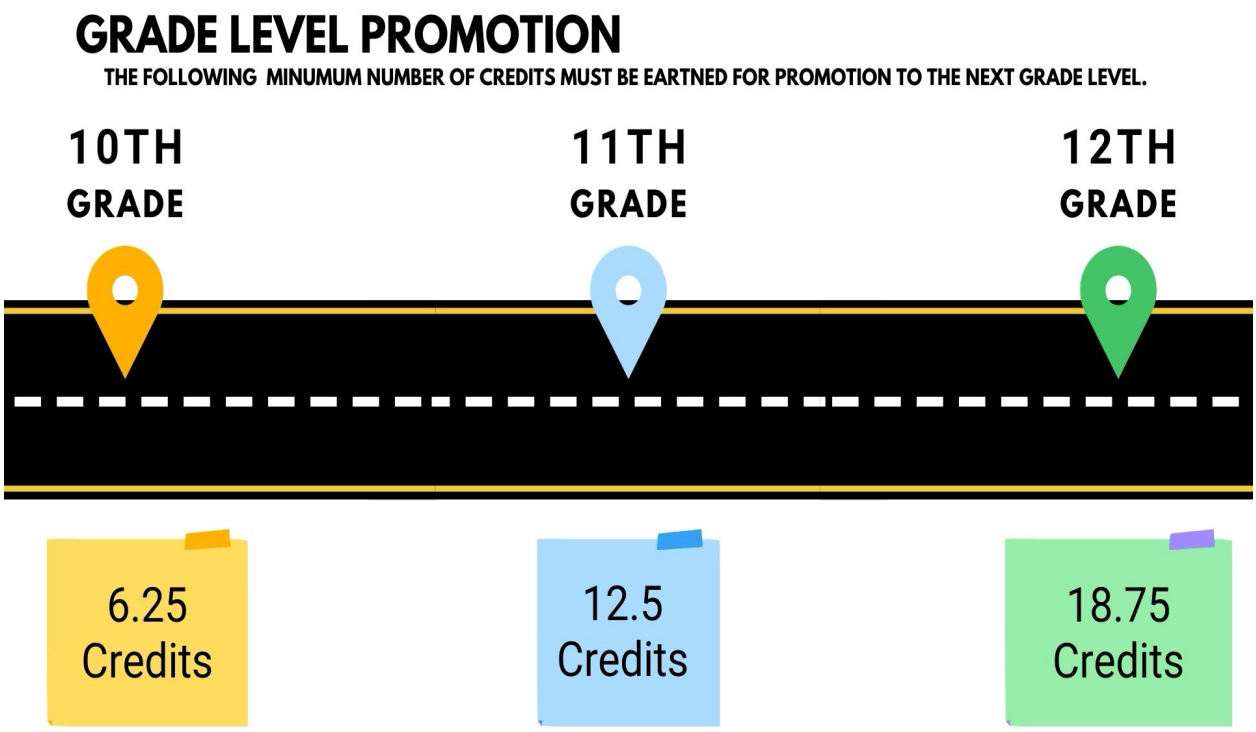
GRADUATION PLAN WORKSHEET

Course Year	**9th**	**10th**	**11th**	**12th**
ENGLISH (4)	1 Credit	1 Credit	1 Credit	1 Credit
SOCIAL STUDIES (4)	1 Credit	1 Credit	1 Credit	1 Credit
MATH (3, 3.5, or 4)	1 Credit	1 Credit	1 Credit	1 Combined Credit
SCIENCE (3, 3.5 or 4)	1 Credit	1 Credit	1 Credit	
PHYS ED (1)	.25 Credit	.25 Credit	.25 Credit	.25 Credit
HEALTH (.5)				
TECHNOLOGY (1)				
Arts & Humanities (2.0)				
Credits of Choice (5.5)				
Yr. Credits Earned/				
TOTAL CREDITS (25)				

MINIMUM REQUIREMENTS FOR GRADES 9 THROUGH 12



GRADE LEVEL PROMOTION



TECHNOLOGY CREDIT

Students are required, as per board policy, to complete 1.0 technology credit to meet graduation requirements. Numerous options in various departments satisfy this credit. Some courses are semester, some are yearlong, but the variety of choices allows students flexibility in enrolling in electives of interest while still addressing the need for technical application. Courses with an * are semester courses worth .5 credit.

AR0803	**DESIGN**
AR0819	**DIGITAL PHOTOGRAPHY**
BU0901*	**INTRO TO COMPUTER SCIENCE**
BU0903	**MICROSOFT OFFICE**
BU0904*	**INTRO TO ARTIFICIAL INTELLIGENCE**
BU0922*	**COMPUTER SCIENCE 2.0**
BU0926	**WEB PAGE DESIGN**
BU5903*	**HONORS MICROSOFT OFFICE**
BU5904	**AP COMPUTER SCIENCE A**
BU5905	**AP COMPUTER SCIENCE PRINCIPLES**
MU0833*	**MUSIC TECH I**
MU0834*	**MUSIC TECH II**
TE0939*	**ROBOTICS & ENGINEERING TECH**
TE0940*	**COMPUTER AIDED DRAFTING**
TE0941	**ARCHITECTURAL DESIGN**
TE0942	**STRUCTURAL ENGINEERING**
TE0943	**MANUFACTURING TECH I**
TE0944	**ADV. MANUFACTURING TECH**
TE0945*	**DESIGN ANIMATION & PROGRAMMING**
TE0946*	**MULTIMEDIA/VIDEO TECH**
TE0947	**ADV. VIDEO & SPECIAL EFFECTS**
TE0948	**3D MODELING & ANIMATION**
TE0950*	**TRANSPORTATION SYSTEMS**
TE5949	**HONORS CAD**
TE5950	**HONORS ROBOTICS & ENGINEERING**
TE0951*	**INTRO TO ESPORTS**

CREDIT UNITS

A credit is the standardized measure of achievement of the Pennsylvania Department of Education to designate the quality of work completed in individual subjects.

A credit constitutes a minimum of 200 minutes per week of classroom work, exclusive of class change time.

Partial units of credits may be granted at the discretion of local school authorities.

COURSE CREDITS

ONE CREDIT	is earned for all courses that meet five or more class periods per week for a full year.
.5 CREDIT	is earned for all courses that meet five class periods per week for one semester.
.25 CREDIT	is earned during each school year for Physical Education, 1/8 credit for each semester.
TWO CREDITS	are earned by students enrolled in TAG courses. One credit is applied toward core graduation requirements, the other credit is applied towards elective credit.
THREE CREDITS	are earned by students participating in the full-year, half-day program at Forbes Road Career and Technology Center.

CLASS RANK

Rank in class is the position of any one student in the graduating class in relation to all other students in that class. A student's class rank is determined by the Quality Point Average (dividing the total grade point value by the number of credits taken). QPA is based on all classes to which a letter grade is assigned, including Physical Education, and includes all courses taken in the Gateway High School curriculum. A student's class rank is computed for the first time at the end of the first semester of freshman year and recomputed at the end of each succeeding semester through the senior year. In the event of more than one student receiving the same numerical class rank because of a tie, the next rank number reflects the number of students involved in the tie (Example: four students with equal QPA receive a class rank of 24, the next class rank is 28). Total grade point values are based on the following grade values:

ACADEMIC COURSES	HONORS/AP COURSES
A - 4.0	A - 4.5
B - 3.0	B - 3.5
C - 2.0	C - 2.5
D - 1.0	D - 1.0
F - 0.0	F - 0.0

* Semester course grade point values are calculated by dividing each of the above figures by 2.

GRADING SCALE

Letter Grade	Percentage
A	**90-100**
B	**80-89**
C	**70-79**
D	**60-69**
F	**0-59**

OTHER GRADES:

I -	Incomplete work/grade withheld
M -	Medically excused from course
FW -	Course withdrawal - Failed
NE -	Student NOT ENROLLED in course during that grading period
FA -	Failed course for exceeding minimum attendance requirements
DA -	Administrative 'D' – Course Passed

GPA VS. QPA

GPA

This calculation is specific to the current quarter grades. It is listed on report cards and determines Honor Roll status. Semester and final exam grades are not included in the GPA calculation.

TO DETERMINE GPA:

Grade Value x Credit Value = Quality Points. Add up quality points for that grading period and divide by the total number of credits currently enrolled. All grades are calculated on a quarterly basis.

Examples: The grade of an 85 B in English = 3(B) x .25 credit = .75 Quality Points
The grade of an 85 B in PE = 3(B) x .0625 credit = .1875 Quality Points
The grade of an 85 B in a semester course = 3(B) X .25 = .75 Quality Points

HONOR ROLL

All courses including Physical Education are used to establish and identify students achieving honors status. Honor roll students will be identified at the end of each grading period. No grade lower than a "C" for any course during a respective grading period or incomplete grades are permitted.
Academically successful students are recognized at the end of each grading period under the following categories:

- Distinguished Honors 4.0 +
- High Honors 3.5 - 3.99
- Honors 3.0 - 3.49

GRADUATING WITH HONORS

Graduating seniors are recognized in the Commencement Program if they achieve distinguished honors, high honors, or honors status. This is based on the student's cumulative average from 9th grade through the 4th nine weeks of the senior year. The senior with the highest cumulative grade point average is recognized as the class Valedictorian. The senior with the second highest cumulative grade point average is recognized as the class Salutatorian.

At graduation, distinguished honors students wear white cords; high honors students wear white & gold cords; and honors students wear black and gold cords.

INCOMPLETE WORK

If course work is incomplete in any subject during a grading period, a grade of “I” is issued.
If the work is not completed within the 10 day specified time limit, a final grade of “F” is issued.
If incomplete work is the result of illness at or near the end of the school year, arrangements must be made with the teacher before the school term ends to make up the necessary work.

TRANSFERRING GRADES

If a student transfers from one section of a course to another, grades earned up to the time of transfer are included as a part of the final course grade.

REPORT CARDS

Report cards are issued electronically through Skyward on a quarterly basis (each nine weeks) and contain the following information:

- COURSE GRADES (Letter and percentage)
- EXAM GRADES (Mid-term exam and final exam)
- TEACHER COMMENTS
- TIMES ABSENT FROM SCHOOL
- TIMES TARDY TO SCHOOL
- CUMULATIVE GPA (At the end of each semester)

Year-end report cards reflect:

- CUMULATIVE G.P.A (Also at the end of each semester)
- CREDITS EARNED
- EXAM GRADES
- FINAL GRADES
- END OF THE YEAR ATTENDANCE RECORD
- TIMES TARDY TO SCHOOL

CREDIT DEFICIENCIES

Students who fail to earn required credits for graduation may have the deficiency corrected by:

1. Repeating course(s) the following school year or attending summer school/approved on-line programs.
2. Seniors who fail to meet graduation credit requirements may obtain a diploma the following semester/year, by successfully earning summer school credits, and if a course is failed in the first semester by completing one credit recovery course.
3. Passing the G.E.D. (General Education Diploma) examination. A G.E.D. does not qualify a student for a Gateway Diploma or participation in the Commencement Ceremonies.
4. Students attending Gateway High School have the ability to remediate courses they have failed. One course can be taken per school year and the parent/guardian is responsible for the cost of the course. The courses are online, and students must have a computer and internet connection. Additional information regarding Credit Recovery is available in the counseling department or by contacting the Gateway Cyber Academy Facilitator.

SUMMER SCHOOL

If a student receives a failing grade in a course, contact the student's school counselor to determine if that course must be repeated. Grades for remedial summer schoolwork become a part of the student's academic record but do not replace the original grade. Counselors review all failing grades and mail all summer school options home. No more than two courses for credit recovery are allowed per summer.

COURSES BEYOND BOARD APPROVED CURRICULUM

The district is not obligated to cover the cost of coursework beyond the standard curriculum. If a student is on an accelerated pathway and has exhausted all curriculum options, his/her parent/guardian is responsible for covering all costs associated for covering supplemental course work, including but not limited to dual enrollment and/or early graduation.

ATTENDANCE AND ACADEMIC SUCCESS

A strong relationship exists between good school attendance and academic achievement. The learning experiences that occur in the classroom environment are considered to be the most meaningful and essential components of the instructional process. Class absences disrupt instructional continuity and decrease direct teacher to student contact time. Absences limit opportunities for classroom interaction and direct participation with the teacher. Therefore, regular class attendance is considered to be a vital part of the student's program.

Standards for attendance must be met for course credit, regardless of grades earned. The attendance policy states: A student absent more than 24 days from a class in a full year course (36 weeks) or 12 days from a class in a given semester (18 weeks) may not receive official credit from the class in which excess absences occur.

COUNSELING SERVICES

Each student at Gateway High School is assigned to one of the four school counselors according to grade level.

Counselors have implemented the state mandated 339 Counseling Plan and have adopted the ASCA National Model for School Counseling as the program foundation. By adopting the standards and incorporating the model into the district curriculum, students are best served through a written, systematic, comprehensive program.

Counseling curriculum is delivered through various activities that include classroom lessons, large or small group meetings, and individual counseling sessions targeting what students need to know according to national standards and what they want according to their individual needs.

Academic Development, Career Development, and Social and Emotional Development are areas addressed by the activities facilitated through school counseling services. All students have an online career portfolio through Career Cruising that meets the PA CEW standards.

PROGRAM SCHEDULING

Counseling services are available to all students for individual program planning. Prior to selecting a program of study, students should discuss career goals with:

- PARENTS/GUARDIANS
- SCHOOL COUNSELORS
- TEACHERS
- ADMINISTRATORS
- COLLEGE REPRESENTATIVES
- COMMUNITY PROFESSIONALS/VOCATIONAL PERSONNEL

Students should select a program that enables them to pursue a career. Please review the Career Pathways while choosing courses. By doing so, students can choose courses that are directly related to their career goals. It also enables counselors, parents, teachers, and administrators to work with students to develop long-range plans that meet student needs.

STUDENT COURSE LOAD

1. Academic programs are designed to evenly distribute course loads in grades 9-12.
2. Students are not permitted to have more than (8) study halls scheduled per week.
3. Students are scheduled for eight (8) periods a day with a minimum of 6.25 credits and a maximum of 7.25 credits per school year.

COLLEGE ADMISSIONS TESTS

ACT

www.actstudent.org

The ACT is a battery of tests in English, Math, Reading and Science as well as an optional writing section. It is used to determine your aptitude for college work and is very similar to the high school curriculum. Scores may be used for college admissions, scholarships, and to determine eligibility for majors or course placements. The National ACT is given at Gateway High School during the December, February and April test dates. Registration is online only at www.my.act.org. The computer based District ACT is given during the school day twice, once in the fall and once in the spring. Registration will be announced through the counseling department for this specific district testing.

SAT

www.collegeboard.org

The current Scholastic Aptitude Test is a test of aptitude and the ability to reason in the reading, math, writing and language areas. Typically, students take it twice between January and June of their junior year and again in the fall of their senior year. Students are to register online at www.collegeboard.org. The test is administered at Gateway High School and in other local high schools.

PSAT/NMSQT

www.collegeboard.org

The Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Test is available to all sophomores and juniors in October. Its purpose is to give the students an opportunity to take a "practice" test. All sophomores and juniors are encouraged to take the PSAT in preparation for the SAT exam. The Junior NMSQT scores are used to select outstanding high school students for National Merit Scholarships. Scores are returned to students with their test booklets in early January.

ADVANCED PLACEMENT PROGRAM

Advanced Placement (AP) high school classes are rigorous, college-level courses designed to challenge and engage academically motivated students. Developed by the College Board, these courses cover a wide range of subjects, including literature, mathematics, science, history, and languages. Students enrolled in AP classes can delve deeply into specific topics, develop critical thinking skills, and gain a more comprehensive understanding of the subject matter. Successful completion of an AP course often culminates in a standardized exam, and students who perform well may earn college credit or advanced placement in college courses.

AP classes are recognized for fostering a stimulating learning environment, encouraging independent research, and preparing students for the academic demands of higher education. Participation in AP courses is widely regarded as a valuable experience that not only enhances academic skills but also demonstrates a student's commitment to intellectual growth and academic excellence.

AP EXAM REGISTRATION PROCESS:

Registration for the AP exams occurs in the fall. The exams take place in May. Second semester AP exam courses have a second registration deadline after the start of the second semester. Students in AP courses will receive a registration form from the AP coordinator with registration instructions. For help registering, talk to your school counselor.

ADVANCED PLACEMENT TESTS ADMINISTERED AT GHS ARE:

ART HISTORY
BIOLOGY
CALCULUS AB
CALCULUS BC
CHEMISTRY
COMPUTER SCIENCE A
COMP SCI PRINCIPLES
ECONOMICS
ENGLISH LANG./COMP
ENGLISH LIT./COMP
LATIN
MUSIC THEORY
PHYSICS 1
PHYSICS II
PHYSICS C: MECHANICS
PSYCHOLOGY
SPANISH LANG. & CULTURE
STATISTICS
US GOVT & POLITICS
US HISTORY
WORLD HISTORY

COLLEGE IN HIGH SCHOOL

College in High School offers regional high school students the opportunity to earn both high school and college credit in courses taught in their high school classrooms. This program provides students the chance to participate in college-level learning experiences before they leave high school, while helping students to establish a collegiate transcript for potential transfer credits in the future. Students are NOT required to take the course for collegiate credit unless they wish to do so.

Please note that each college or university requires their own registration and independent payment procedures. Please talk with the teacher of the course at GHS for more information. All courses listed below equate with three (3) collegiate credits unless otherwise noted.

Should you have questions about whether a college or university will accept these credits toward the completion of a bachelor's degree, please contact the specific Admissions Office directly. Active courses offered can be found on the GHS website. A comprehensive list of courses are below, but information is updated each semester. Course costs are subject to change; please check with your counselor prior to registering.

*Please see the teachers listed next to the course for information on number of credits and estimated cost

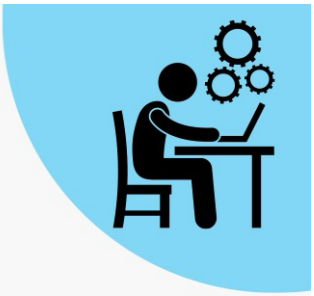
GHS Course	Post Secondary School	CREDIT	Approved GHS teacher
BU0917 Intro to Business	Pgh Technical College (PTC)	4	Mr. Ruane
BU5903 Honors Microsoft	PTC	4	Mr. Ruane
BU0914 Personal Finance	PTC	4	Mr. Ruane
BU0917 Web Page Design	Carlow University	3	Mr. Sample
BU0922 Comp Science 2.0	Carlow University	3	Mr. Sample
LA0161 Composition	Seton Hill	3	Mrs. Hurey
LA5011 Honors English 11	Seton Hill	3	Ms. Niemi
LA0164 Speech	La Roche	3	Mr. Randolph
MA5416 AP Calculus A/B	PITT	4	Mr. Scarcelli
MA5417 Hon Business Calc	PITT	4	Mrs. Marston
MA5418 AP Calculus B/C	PITT	4	Mr. Scarcelli
MA5419 AP Statistics	PITT	4	Mrs. Barkey
MU5832 AP Music Theory	CCAC	3	Mr. Lascek
SC0535 College Geology	Penn Highlands	4	Mr. Pompa
SC0550 College Astronomy	Penn Highlands	3	Mr. Pompa
SC5503 AP Physics 1	Seton Hill	4	Dr. Kohler
SC5515 AP Chemistry	Seton Hill	4	Mr. Lattanzio
SC5524 Hon Anat/Physiology	Carlow University	4	Mrs. Morasco
SC5524 Hon Anat/Physiology	Carlow University	4	Mrs. Morasco
SS0729 Social Movements	LaRoche Univ	3	Mr. Spinola
SS5730 AP US Gov & Politics	Carlow University	3	Mr. Spinola
SS0730 Teacher Academy I	Carlow University	3	Mr. Spinola
SS0731 Teacher Academy II	Carlow University	3	Mr. Spinola
SS0731 Teacher Academy III	Carlow University	3	Mr. Spinola
SS5710 AP US History	Carlow University	3	Mr. Biros
SS05729 AP Economics	Carlow University	3	Mr. Spinola
SS5733 AP Psychology	Carlow University	3	Mr. Justice
TE5949 Honors CAD II	PTC	3	Mr. Stockunas
WL5306 Hon Spanish 4	Seton Hill	3	Mrs. Browning
WL5308 AP Spanish 5	Seton HIll	3	Mr. Doonan
WL5316 Hon French 4	Seton HIll	3	Mr. McCann
WL5318 Hon French 5	Seton HIll	3	Mr. McCann

COLLEGE AND CAREER PATHWAYS

CAREER & COLLEGE PATHWAYS

1. Arts, Communications, and Hospitality
2. Business Administration and Finance
3. Education, Human and Public Services
4. Engineering, Manufacturing, Technology and Trades
5. Health and Natural Sciences

The following Career and College Pathways are designed to focus student course selections and connect students to a viable career and/or post-secondary program of study. The five (5) Career and College Pathways are aligned to Pennsylvania's sixteen (16) Career Clusters. This section of our Program of Studies connects Career and College Pathways with our current course offerings. Career options and recommended courses are outline in each Career and Collge Pathway.



Aligned Pennsylvania Career Clusters

1. Arts, Communications and Hospitality

- Arts, A/V Technology & Communications
- Hospitality & Tourism

2. Business Administration and Finance

- Business & Administration
- inance & Insurance
- Marketing, Sales & Service

3. Education, Human and Public Services

- Government & Public Administration
- Law & Public Safety
- Education & Training
- Human Services

4. Engineering, Manufacturing Tech and Trades

- Architecture & Construction
- Manufacturing
- Transportation, Distribution & Logistics
- Science & Research/Engineering

5. Health and Natural Sciences

- Health Sciences
- Agriculture, Food & Natural Resources

ARTS, COMMUNICATIONS AND HOSPITALITY

The courses listed below are recommended electives that allow students to explore and to prepare for various careers in this ACH Pathway. Core courses are still a requirement, although some electives will meet those requirements.

	Recommended Courses			
Example Careers	**9**	**10**	**11**	**12**
Industrial Designer	Drawing A/ Drawing B World Language I Architectural Design	Design World Language II Webpage Design Interior Design 3D Modeling and Animation	Sculpture A/Sculpture B Career Essentials Speech World Language III Computer Aided Drafting	Art Survey Intro Artificial Intelligence Sociology AP Psychology/ Psychology Honors Computer Aided Drafting Science Innovations
Photographer	Digital Photography World Language I Recreation, Tourism & Hospitality	Design World Language II Webpage Design Multimedia and Video Technology	Drawing A/ Drawing B Speech Career Essentials World Language III Honors Humanities/Humanities Webpage Design	Painting A/ Painting B Intro Artificial Intelligence Sociology AP Psychology/ Psychology
Illustrator	Drawing A/ Drawing B World Language I Fashion and Clothing	Painting A/Painting B World Language II Webpage Design 3D Modeling and Animation	Design Career Essentials World Language III Honors Humanities/Humanities	Sculpture A/ Sculpture B Intro Artificial Intelligence Sociology AP Psychology/ Psychology
Curator/Museum Educator	Drawing A/ Drawing B World Language I Child Development	Ceramics A/Ceramics B World Language II Webpage Design Preschool Education I Mulitmedia and Video Technology	AP Art History Career Essentials Speech World Language III Honors Humanities/Humanities Preschool Education II Architectural Design	Digital Photography Intro Artificial Intelligence Sociology AP Psychology/ Psychology Preschool Education III
Artist	Ceramics A World Language I Fashion and Clothing	Drawing A World Language II Webpage Design 3D Modeling and Animation	Painting A World Language III Honors Humanities/Humanities Advanced Video and Special Effects	Sculpture A Intro Artificial Intelligence Sociology AP Psych
Graphic Designer	Design World Language I	Drawing A/ Drawing B World Language II Webpage Design 3D Modeling and Animation	Digital Photography Career Essentials Speech World Language III Honors Humanities/Humanities Advanced Video and Special Effects	Painting A/ Painting B Intro Artificial Intelligence Sociology AP Psychology/ Psychology

Music / Art Therapist	Art Survey World Language I Child Development	Painting A/ Painting B World Language II Webpage Design	Drawing A/ Drawing B Career Essentials Speech World Language III Honors Humanities/Humanities	Ceramics A/Ceramics B Intro Artificial Intelligence Sociology AP Psychology/ Psychology
Performing Artist	Fashion and Clothing Construction Music Ensemble Music Theater Performance I Music Theater Performance II	Clothing Construction II Music Ensemble Music Theory I Music Theory II	Honors Humanities/Humanities Clothing Construction III Music Ensemble Comprehensive Music	Sociology AP Psychology/ Psychology Music Ensemble AP Music Theory Anatomy and Physiology
Event Planner	Recreation, Tourism & Hospitality Foods and Nutrition Intro to Business	Advanced Foods Sports & Entertainment Marketing & Management	Foods 3.0	Sociology AP Psychology/ Psychology Anatomy and Physiology

BUSINESS ADMINISTRATION AND FINANCE

The courses listed below are recommended electives that allow students to explore and to prepare for various careers in this BAF Pathway. Core courses are still a requirement, although some electives will meet those requirements.

	Recommended Courses			
Example Careers	**9**	**10**	**11**	**12**
Marketing Professional	Intro To Business World Language I Honors Microsoft Office	Sports & Entertainment Marketing & Management World Language II	Career Essentials Speech World Language III Webpage Design	Intro Probability and Statistics or AP Statistics Intro to Artificial Intelligence AP Economics/ Economics AP Psychology/ Psychology Sociology
Accountant	Intro To Business World Language I Honors Microsoft Office	Sports & Entertainment Marketing & Management World Language II	Career Essentials Speech World Language III Webpage Design	Intro Probability and Statistics or AP Statistics Honors Business Calculus AP Economics/ Economics
Financial Planner	Intro To Business World Language I Honors Microsoft Office Life Roles	Sports & Entertainment Marketing & Management World Language II	Career Essentials Speech World Language III Webpage Design	Intro Probability and Statistics or AP Statistics Honors Business Calculus Life Beyond High School AP Economics/ Economics
Entrepreneur	Intro To Business World Language I Honors Microsoft Office Interior Design Clothing Construction I Foods and Nutrition	Sports & Entertainment Marketing & Management World Language II Advanced Foods Clothing Construction II Fashion and Clothing	Career Essentials Speech World Language III Webpage Design Foods 3.0 Clothing Construction III	Intro Probability and Statistics or AP Statistics AP Economics/ Economics Science Innovations
Manager	Intro To Business World Language I Honors Microsoft Office Foods and Nutrition	Sports & Entertainment Marketing & Management World Language II Preschool Education I Advanced Foods	Career Essentials Speech World Language III Webpage Design Preschool Education II Foods 3.0	Intro Probability and Statistics or AP Statistics AP Economics/ Economics

Logistician	Intro To Business World Language I Honors Microsoft Office	Sports & Entertainment Marketing & Management World Language II Intro Computer Science	Career Essentials Speech World Language III Webpage Design	Intro Probability and Statistics or AP Statistics Honors Business Calculus AP Economics/ Economics
Actuary	Intro To Business World Language I Honors Microsoft Office	Sports & Entertainment Marketing & Management World Language II	Career Essentials Speech World Language III Webpage Design	Intro Probability and Statistics or AP Statistics Honors Business Calculus AP Economics/ Economics

EDUCATION, HUMAN AND PUBLIC SERVICES

The courses listed below are recommended electives that allow students to explore and to prepare for various careers in this EHP Pathway. Core courses are still a requirement, although some electives will meet those requirements.

	Recommended Courses			
Example Careers	**9**	**10**	**11**	**12**
Educator	World Language I Honors Microsoft Office Child Development	World Language II Preschool Education I Teacher Academy I	Career Essentials Speech World Language III Preschool Education II Teacher Academy II SPIES I	Preschool Education III Teacher Academy III AP Psychology/ Psychology Sociology SPIES II
Attorney	World Language I	World Language II Musical Theater Performance I Musical Theater Performance II	Career Essentials Speech World Language III Current International Affairs AP Economics/Economics	AP US Government and Politics American Government and Civics AP Psychology/ Psychology Sociology
Social Worker	World Language I Child Development Music Ensemble	World Language II Preschool Education I Teacher Academy I Music Ensemble	Career Essentials Speech World Language III Preschool Education II Teacher Academy II Music Ensemble	Preschool Education III Teacher Academy III AP Psychology/ Psychology Sociology Social Movements Music Ensemble
Police Officer	World Language I	World Language II Computer Aided Drafting	Career Essentials Speech World Language III 3D Modeling and Animation	Intro to Artificial Intelligence AP US Government and Politics American Government and Civics AP Psychology/ Psychology Sociology

ENGINEERING, MANUFACTURING TECH, AND TRADES

The courses listed below are recommended electives that allow students to explore and to prepare for various careers in this EMT Pathway. Core courses are still a requirement, although some electives will meet those requirements.

Example Careers	Recommended Courses			
	9	10	11	12
Engineer	Intro Computer Science Manufacturing Technology Transportation Systems	AP Computer Science Advanced Manufacturing Technology Computer Aided Drafting AP Physics I	Career Essentials Speech AP Computer Science Principles Architectural Design Honors Computer Aided Drafting AP Physics II	AP Calculus AP Psychology/ Psychology Sociology 3D Modeling and Animation AP Physics C Science Innovations
Music Producer	Intro Computer Science Music Ensemble Musical Theater Performance I Musical Theater Performance II Multimedia and Video Technology	AP Computer Science Music Ensemble Music Theory I Music Theory II Design, Animation, and Programming	Career Essentials Speech AP Computer Science Principles Music Ensemble Comprehensive Music Advanced Video and Special Effects	Honors Humanities/ Humanities Music Ensemble AP Music Theory
Cyber Security Officer	Intro Computer Science	AP Computer Science	Career Essentials Speech AP Computer Science Principles	AP Calculus Intro to Artificial Intelligence AP US Government and Politics American Government and Civics
Robotic Designer	Intro Computer Science	AP Computer Science	Career Essentials Speech AP Computer Science Principles Physics	AP Calculus Intro to Artificial Intelligence AP Physics I, II, or C AP Psychology/ Psychology Sociology

HEALTH AND NATURAL SCIENCES

The courses listed below are recommended electives that allow students to explore and to prepare for various careers in this HNS Pathway. Core courses are still a requirement, although some electives will meet those requirements.

Example Careers	Recommended Courses			
	9	10	11	12
Nurse	World Language I Honors Microsoft Office Child Development	World Language II Preschool Education I	Career Essentials Speech World Language III Preschool Education II	Intro Probability/Statistics or AP Statistics Preschool Education III AP Psychology/ Psychology Sociology Anatomy and Physiology Advanced Biology
Physician	World Language I	World Language II	Career Essentials Speech World Language III	Intro Probability/Statistics or AP Statistics AP Calculus AP Psychology/ Psychology Sociology Honors Anatomy and Physiology Advanced Biology
Pharmacist	World Language I	World Language II	Career Essentials Speech World Language III	Intro Probability/Statistics or AP Statistics AP Calculus AP Psychology/ Psychology Sociology Honors Anatomy and Physiology Advanced Biology
Healthcare Technician	World Language I Child Development	World Language II Preschool Education I	Career Essentials Speech World Language III Preschool Education II	Intro Probability/Statistics or AP Statistics Intro to Artificial Intelligence Preschool Education III AP Psychology/ Psychology Sociology Anatomy and Physiology Advanced Biology
Biologist	World Language I	World Language II Chemistry	Career Essentials World Language III AP Biology	Intro Probability/Statistics or AP Statistics AP Calculus Advanced Biology Physics

Chemist	World Language I	World Language II Biology Chemistry	Career Essentials World Language III AP Chemistry	Intro Probability/Statistics or AP Statistics AP Calculus Physics
Physicist	World Language I	World Language II AP Physics I	Career Essentials World Language III AP Physics II	Intro Probability/Statistics or AP Statistics AP Calculus AP Physics C
Geologist	World Language I	World Language II Chemistry	Career Essentials World Language III Physics	Intro Probability/Statistics or AP Statistics AP Calculus College Geology College Astronomy AP US Government and Politics/ American Govt. and Civics AP Economics/ Economics
Ecologist	World Language I	World Language II Chemistry	Career Essentials World Language III Honors Environmental Science I Honors Environmental Science II Geology	Intro Probability/Statistics or AP Statistics AP Calculus Physics Current International Affairs AP US Government and Politics/ American Govt. and Civics

STUDENT ACTIVITIES

Students are encouraged to balance their academic programs by participating in a variety of co-curricular/extracurricular activities. Numerous opportunities are available to meet individual needs and interests of students. Various clubs, groups, organizations, and athletic opportunities are listed in the Activities Handbook.

Review the list and you may find an activity that suits your interest and personality. Participating in activity programs will enable you to meet other students and contribute to the school environment. You should be aware that when applying for college, employment or vocational schools, attention is given to involvement in school and community activities.

EARLY RELEASE

GHS recognizes with dedication and hard work students can fulfill their graduation requirements without following the traditional school day. If a senior student wishes to pursue a work or college related early release and has met the following criteria, they may petition the high school administration for a modified school day.

The responsibility of all costs and transportation related to the nature of the early release rests with the student and their family, not Gateway School District. The district is not responsible for the facilitation or liabilities of experiences for students after they leave the high school each day.

WORK, APPRENTICESHIP, AND VOLUNTEER

The student:

- Is in good academic standing
- Must meet graduation requirements through classes taken at GHS
- Is responsible for transportation and any cost associated with the work release
- Must maintain satisfactory work progress through quarterly reports

COLLEGE/DUAL ENROLLMENT:

The student:

- Is in good academic standing
- Must meet graduation requirements through classes taken at GHS
- Is responsible for transportation and cost of college tuition
- If requested, must provide GHS with college registration/acceptance documentation
- If requested, must submit college grade report at the completion of the course

GATEWAY CYBER ACADEMY

Recognizing that some children learn best in a less restrictive environment, the Gateway School District is offering a cyber-school program to meet the needs of these students. The Gateway Cyber Academy is for students in grades K-12. Enrollment is based on an agreement between the school district and the student's family, and it gives children an opportunity to complete schoolwork using online curricula at home, while allowing Cyber Academy students the opportunity to participate in extra-curricular activities sponsored by the district.

Please be advised that all equipment will remain the property of the GATEWAY SCHOOL DISTRICT.

Additionally, each Gateway Cyber Academy student who completes all program requirements will be awarded a Gateway High School Diploma and will be eligible to participate in Gateway High School Commencement Exercises.

Please contact below for questions:

Cyber Academy Director
Dr. Marci Klinger
412-373-5747
mklinger@gatewayk12.org

K-12 Cyber Special Education Facilitator
Mrs. Regan Reeder, M.Ed.
412-457-0332
rreeder@gatewayk12.org

9-12 Cyber Administrator
Mr. Joseph Rosi
412-373-5745
jrosi@gatewayk12.org

FORBES ROAD CAREER AND TECHNOLOGY CENTER

This program is available to students who may plan to pursue employment upon graduation or further their education in a particular career area. Emphasis is placed on student development of marketable skills. Forbes classes are conducted at the Forbes Road Career and Technology Center located in Monroeville.

Students are admitted after careful evaluation of their academic status. Enrollment is approved by both Gateway and Forbes Road counselors. The most up-to-date FRCTC program of studies can be found HERE.

FIRST YEAR STUDENTS

7:30 am - 9:45 am - Students attending A.M. session will attend Forbes Road periods 1-2-3 and will return to Gateway for periods 4-5-6-7-8.

SECOND/THIRD YEAR STUDENTS

9:45 am - 12:50 pm - Students attending the P.M. session will attend Gateway periods 1-2-3,Forbes Road periods 4-5-6, and return to Gateway for periods 7-8.

FRCTC APPLICATION

The application for Forbes Road can be found at https://forbesroad.org/apply/

FRCTC PROGRAMS OFFERED

CIP 46.9999 BUILDING CONSTRUCTION AND TECHNOLOGY	Technology students gain technical knowledge as well as practical hands-on training in the trade which includes carpentry, plumbing, electrical, masonry and blueprint reading. Individuals learn to apply technical knowledge and skills in the maintenance and repair of residential and commercial buildings.
CIP 47.0201 HEATING, VENTILATION, AND AIR CONDITIONING	The program trains students to be qualified HVAC technicians and mechanics. A major portion of the instruction focuses on how to install, diagnose, service and maintain residential and commercial control wiring of HVAC systems.
CIP 46.0399 ELECTRICAL TECHNOLOGY	Electrical technology prepares students for entry level electrical and electronics careers. Their technical applications include green technology construction within the state of the art electrical laboratory. Computerized training equipment is utilized to prepare the students for careers in the high-tech electrical field.
CIP 01.0601 LANDSCAPE DESIGN	Landscape Design prepares students to be employees of nurseries, greenhouses, florists or landscape businesses. The curriculum includes turf management, landscape design and safety, pest and disease management and irrigation. Students obtain practical skills on our 42-acre campus and in the new greenhouse.
CIP 50.0402 ADVERTISING DESIGN	The field of Advertising and Commercial Art requires a person who possesses a wide range of creative skills. The curriculum includes the foundation for all creative and design fields. Students apply the design principles to create a variety of products and printed materials to reach and compel the target audience to purchase products and services.
CIP 12.0401 COSMETOLOGY	This program builds the skills for a variety of careers within the cosmetology industry. The course includes skills and hair, skin and nail care as well as salon procedures. Upon completion of the required hours, students will be eligible to take the PA state boards.
CIP 12.0508 CULINARY ARTS	The culinary arts course offers instruction in the commercial restaurant industry including gourmet and fine dining, customer service, menu planning, cost control, sanitation and hygiene. The curriculum encompasses the complete food cycle including nutrition, ordering processes, menu design and presentation skills.

CIP 19.0708 EARLY CHILDHOOD EDUCATION	The course encompasses all phases of early childhood development including physical, social, emotional and intellectual. The curriculum also includes nutrition, guidance, discipline, the value of play and the science of child development.
CIP 43.9999 EMERGENCY RESPONSE SERVICES	This program is for students interested in pursuing a career, volunteer service or post-secondary education in emergency medical, law enforcement, fire or emergency management systems. ERS provides training in a fully equipped lab including a fire tower and fire truck.
CIP 51.0899 HEALTH SCIENCE TECHNOLOGY	Program provides students with the Hands-On training necessary to offer care to patients while working alongside other qualified healthcare professionals. students will be taught basic nursing skills, anatomy and physiology and care of patients with common diseases. CPR, first aid, bloodborne pathogens and direct care staff worker are certifications that the students may obtain.
CIP 01.8301 VETERINARY SCIENCES	Veterinary/Animal Health Technology prepares students to assist veterinarians during animal examinations and provide treatment and monitoring. students will learn about maintaining medical and business records, charting and scheduling activities and a wide range of practice related duties as applied to animal health care, the biomedical field and the pet industry.
CIP 47.0603 AUTO BODY REPAIR TECHNOLOGY	The Auto Body Repair Technology program provides the skills necessary to transform a wrecked vehicle into a masterpiece. Students receive instruction with state-of-the-art equipment for replacing or repairing auto body parts. Students learn to customize vehicles with painting techniques.
CIP 47.0604 AUTOMOTIVE TECHNOLOGY	Automotive technology provides instruction covering a wide range of skills for the high-tech automotive industry. This includes engines, computer diagnostics, maintenance, repair and the opportunity to earn a PA state inspection and emission certification.
CIP 47.0613 DIESEL TECHNOLOGY	This program provides training on biodiesel, diesel, and gasoline powered medium heavy trucks and equipment. This equipment is part of today's transportation, construction and Manufacturing industries. students can earn a PA state inspection and emission certification.
CIP 52.0203 LOGISTICS AND SUPPLY CHAIN MANAGEMENT	This program will actively engage students in the process of receiving, storing, shipping, controlling and distributing products. Students will use conveyors, hand trucks and carts to transport materials and supplies. They will work in the Forbes shipping and receiving department.

CIP 11.0901 COMPUTER NETWORKING AND SECURITY	This exciting technical course prepares students to design, maintain and secure today's information technology (IT) systems. Network Security Specialists acting as ethical hackers prevent data loss from cyber attacks protecting valuable data. Network Security Specialists are in demand in law enforcement, corporations and government.
CIP 11.0801 MULTIMEDIA DESIGN	This program allows students to be creative with design presentations for entertainment, Industrial and Commercial applications. This curriculum utilizes digital video cameras and projectors in conjunction with computers. Students create animations, manipulate photographs, create presentations and web pages.

DIVISION I ACADEMIC REQUIREMENTS

DIVISION I ACADEMIC REQUIREMENTS

CORE-COURSE REQUIREMENTS

Complete a total of 16 core courses in the following areas, including 10 before the start of your seventh semester (seven in English, math or natural/physical science).

ENGLISH	MATH (Algebra I or higher)	NATURAL/ PHYSICAL SCIENCE (Including one year of lab, if offered)	ADDITIONAL (English, math or natural/physical science)	SOCIAL SCIENCE	ADDITIONAL COURSES (Any area listed to the left, foreign language or comparative religion/philosophy)
4 years	3 years	2 years	1 year	2 years	4 years

QUALIFIER

College-bound student-athletes enrolling at an NCAA Division I school need to meet these academic requirements to practice, compete and receive an athletics scholarship in their first year of full-time enrollment.

- Complete a total of 16 core courses in the appropriate areas.
  - Ten of your 16 core courses must be completed before the start of your seventh semester (senior year) of high school.
  - Seven of your 10 core courses must be in English, math or natural/physical science.
- Earn a corresponding test score that matches your core-course GPA (minimum 2.3) on the Division I Sliding Scale.*
- Submit proof of graduation to the Eligibility Center.

ACADEMIC REDSHIRT

All academic redshirt student-athletes may receive an athletics scholarship during their first year of full-time enrollment and practice during their first regular academic term but may NOT compete during their first year of enrollment.

- Complete a total of 16 core courses in the appropriate areas.
- Earn a corresponding test score that matches your core-course GPA (minimum 2.0) on the Division I Sliding Scale.*
- Submit proof of graduation to the Eligibility Center.

INTERNATIONAL STUDENTS

Please review the international initial-eligibility flyer for information and academic requirements specific to international student-athletes.

For information on Division II, view the Division II academic requirements flyer.

TEST SCORES

If you plan to attend an NCAA Division I school, use the sliding scale to review the corresponding test score and core-course GPA (minimum 2.3) you will need to meet Division I qualifier standards.

For both Divisions I and II, a combined SAT score is calculated by adding critical reading and math subscores. An ACT sum score is calculated by adding English, math, reading and science subscores. You may take the SAT or ACT an unlimited number of times before you enroll full time in college. If you take either test more than once, the best subscores from each test are used for the academic certification process.

**More information regarding the impact of COVID-19 and test scores can be found at* on.ncaa.com/COVID19_Fall2022.

CORE-COURSE LIST

You should check to see if your high school has a list of **NCAA-approved core courses**. No core-course list means courses taken from that high school will not count for NCAA eligibility. If your high school does not have a list, you risk being ineligible to play in college.

ONLINE COURSES/ NONTRADITIONAL

Nontraditional courses are taught online or through distance learning, hybrid/blended, independent study, individualized instruction, correspondence or similar means.

These types of courses may be acceptable for use in the NCAA initial-eligibility certification process; however, it is important to make sure the nontraditional program has been approved and appears on the high school's list of **NCAA-approved core courses**.

BE AHEAD OF THE GAME

- If you want to get ahead of the game, you need to register with the **NCAA Eligibility Center** before your freshman/ninth year of high school.
- After you complete six semesters of high school, it is important for you to ask your counselor from each high school you have attended to upload an official transcript to your Eligibility Center account. A six-semester transcript must be submitted in order to have a preliminary certification completed.

DIVISION I
FULL QUALIFIER SLIDING SCALE

Core GPA	SAT*	ACT Sum*	Core GPA	SAT*	ACT Sum*
3.550	400	37	2.750	810	59
3.525	410	38	2.725	820	60
3.500	430	39	2.700	830	61
3.475	440	40	2.675	840	61
3.450	460	41	2.650	850	62
3.425	470	41	2.625	860	63
3.400	490	42	2.600	860	64
3.375	500	42	2.575	870	65
3.350	520	43	2.550	880	66
3.325	530	44	2.525	890	67
3.300	550	44	2.500	900	68
3.275	560	45	2.475	910	69
3.250	580	46	2.450	920	70
3.225	590	46	2.425	930	70
3.200	600	47	2.400	940	71
3.175	620	47	2.375	950	72
3.150	630	48	2.350	960	73
3.125	650	49	2.325	970	74
3.100	660	49	2.300	980	75
3.075	680	50	2.299	990	76
3.050	690	50	2.275	990	76
3.025	710	51	2.250	1000	77
3.000	720	52	2.225	1010	78
2.975	730	52	2.200	1020	79
2.950	740	53	2.175	1030	80
2.925	750	53	2.150	1040	81
2.900	750	54	2.125	1050	82
2.875	760	55	2.100	1060	83
2.850	770	56	2.075	1070	84
2.825	780	56	2.050	1080	85
2.800	790	57	2.025	1090	86
2.775	800	58	2.000	1100	86

ACADEMIC REDSHIRT

*Full sliding scale research between the new SAT and ACT is ongoing.

Want more information? Visit ncaa.org/playcollegesports.

CONTACT THE NCAA ELIGIBILITY CENTER

U.S. and Canada (except Quebec): 877-262-1492
Monday-Friday, 9 a.m. to 5 p.m. Eastern time

@ncaaec @playcollegesports @ncaaec

DIVISION II ACADEMIC REQUIREMENTS

DIVISION II ACADEMIC REQUIREMENTS

CORE-COURSE REQUIREMENTS

Complete a total of 16 core courses in the following areas:

ENGLISH	MATH (Algebra I or higher)	NATURAL/ PHYSICAL SCIENCE (Including one year of lab, if offered)	ADDITIONAL (English, math or natural/physical science)	SOCIAL SCIENCE	ADDITIONAL COURSES (Any area listed to the left, foreign language or comparative religion/philosophy)
3 years	2 years	2 years	3 years	2 years	4 years

FULL QUALIFIER

College-bound student-athletes enrolling at an NCAA Division II school need to meet these academic requirements to practice, compete and receive an athletics scholarship in their first year of full-time enrollment.

- Complete a total of 16 core courses in the appropriate areas.
- Earn a corresponding test score that matches your core-course GPA (minimum 2.2) on the Division II Sliding Scale.*
- Submit proof of graduation to the Eligibility Center.

PARTIAL QUALIFIER

College-bound student-athletes that do not meet Division II full qualifier standards will be deemed a partial qualifier. All partial qualifier student-athletes may receive an athletics scholarship and practice during their first year of full-time enrollment at a Division II school, but may NOT compete.

INTERNATIONAL STUDENTS

Please review the international initial-eligibility flyer for information and academic requirements specific to international student-athletes.

For information on Division I, view the Division I academic requirements flyer.

VOLLEYBALL CHAMPIONSHIP

ELIGIBILITY CENTER

1

TEST SCORES

If you plan to attend an NCAA Division II school, use the sliding scale to review the corresponding test score and core-course GPA (minimum 2.2) you will need to meet Division II full qualifier standards.

For both Divisions I and II, a combined SAT score is calculated by adding critical reading and math subscores. An ACT sum score is calculated by adding English, math, reading and science subscores. You may take the SAT or ACT an unlimited number of times before you enroll full time in college. If you take either test more than once, the best subscores from each test are used for the academic certification process.

**More information regarding the impact of COVID-19 and test scores can be found at on.ncaa.com/COVID19_Fall2022.*

CORE-COURSE LIST

You should check to see if your high school has a list of **NCAA-approved core courses**. No core-course list means courses taken from that high school will not count for NCAA eligibility. If your high school does not have a list, you risk being ineligible to play in college.

ONLINE COURSES/NONTRADITIONAL

Nontraditional courses are taught online or through distance learning, hybrid/blended, independent study, individualized instruction, correspondence or similar means.

These types of courses may be acceptable for use in the NCAA initial-eligibility certification process; however, it is important to make sure the nontraditional program has been approved and appears on the high school's **list of NCAA-approved core courses**.

BE AHEAD OF THE GAME

- If you want to get ahead of the game, you need to register with the **NCAA Eligibility Center** before your freshman/ninth year of high school.
- After you complete six semesters of high school, it is important for you to ask your counselor from each high school you have attended to upload an official transcript to your Eligibility Center account. A six-semester transcript must be submitted in order to have a preliminary certification completed.

For more information on Division II, visit **ncaa.org/D2**.

NCAA DIVISION II

MAKE IT YOURS

Want more information? Visit ncaa.org/playcollegesports.

DIVISION II
FULL QUALIFIER SLIDING SCALE

Core GPA	SAT*	ACT Sum*
3.300 & above	400	37
3.275	410	38
3.250	430	39
3.225	440	40
3.200	460	41
3.175	470	41
3.150	490	42
3.125	500	42
3.100	520	43
3.075	530	44
3.050	550	44
3.025	560	45
3.000	580	46
2.975	590	46
2.950	600	47
2.925	620	47
2.900	630	48
2.875	650	49
2.850	660	49
2.825	680	50
2.800	690	50
2.775	710	51
2.750	720	52
2.725	730	52
2.700	740	53
2.675	750	53
2.650	750	54
2.625	760	55
2.600	770	56
2.575	780	56
2.550	790	57
2.525	800	58
2.500	810	59
2.475	820	60
2.450	830	61
2.425	840	61
2.400	850	62
2.375	860	63
2.350	860	64
2.325	870	65
2.300	880	66
2.275	890	67
2.250	900	68
2.225	910	69
2.200	920	70 & above

*Full sliding scale research between the new SAT and ACT is ongoing.

CONTACT THE NCAA ELIGIBILITY CENTER

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Monday-Friday, 9 a.m. to 5 p.m. Eastern time

@ncaaec @playcollegesports @ncaaec

NCAA ELIGIBILITY CENTER

Division I Worksheet

This worksheet is provided to assist you in monitoring your progress in meeting NCAA initial-eligibility standards. The NCAA Eligibility Center will determine your academic status after you graduate. Remember to check your high school's List of NCAA Courses for the classes you have taken. Use the following scale:

A = 4 quality points; B = 3 quality points; C = 2 quality points; D = 1 quality point.

English (4 years required)

Course Title	Credit	X	Grade	=	Quality Points (multiply credit by grade)
Example: English 9	.5		A		(.5 x 4) = 2
Total English Units					Total Quality Points

Mathematics (3 years required)

Course Title	Credit	X	Grade	=	Quality Points (multiply credit by grade)
Example: Algebra 1	1.0		B		(1.0 x 3) = 3
Total Mathematics Units					Total Quality Points

Natural/physical science (2 years required)

Course Title	Credit	X	Grade	=	Quality Points (multiply credit by grade)
Total Natural/Physical Science Units					Total Quality Points

Additional year in English, mathematics or natural/physical science (1 year required)

Course Title	Credit	X	Grade	=	Quality Points (multiply credit by grade)
Total Additional Units					Total Quality Points

Social science (2 years required)

Course Title	Credit	X	Grade	=	Quality Points (multiply credit by grade)
Total Social Science Units					Total Quality Points

Additional academic courses (4 years required)

Course Title	Credit	X	Grade	=	Quality Points (multiply credit by grade)
Total Additional Academic Units					Total Quality Points

Core-Course GPA (16 required) *Beginning August 1, 2016, 10 core courses to be completed prior to the seventh semester and seven of the 10 must be a combination of English, math or natural or physical science.*

Total Quality Points	Total Number of Credits	Core-Course GPA (Total Quality Points/Total Credits)

ART

Courses in the Creative and Visual Arts Department are designed around a studio concept. Students are able to explore a variety of two and three-dimensional projects to develop their perception, understanding, response, skill, creation, and evaluation capabilities. Learning is encouraged by in-class student participation using a variety of modes including historical and cultural exploration. Emphasis is placed on the development of the students' innate creative capacity through experimenting, inventing, creating, designing, and problem solving in purposeful learning activities. A serious approach to learning is expected in all of the courses.

AR 5820
AP ART HISTORY
YEAR
1 Credit
Elective 9 -12

AP Art History is an investigation of diverse artistic traditions from prehistory to the present. The course fosters an in-depth and holistic understanding of the history of art from a global perspective. This course is designed to incorporate a variety of interdisciplinary issues in addition to art history—aesthetics, sociology, mythology, politics, influence, power, gender, religion, patronage, function, ethnicity, and audience. Students will focus on both visual analysis and context and will look at both European and Non-European traditions. Students will study important themes and movements in art history and in the process learn how to analyze and interpret primary source materials. Considerable attention will be devoted to developing both interpretive and analytic writing skills. The AP Art History course is designed to be the equivalent of a two semester introductory college or university art history survey course. This course does not include opportunities in studio art endeavors.

AR0800
ART SURVEY
Semester
.5 Credit
Elective 9-12

Art Survey is a foundation course for students considering further art electives. It is an exploratory class in which students will work with a variety of media including, but not limited to, drawing, painting, printmaking, sculpture, and ceramics. Art Survey offers students a chance to develop the basic design fundamentals necessary for any further experience in art, and is designed for the student who wishes to work with more than one medium. Famous artists and the elements and principles of design will be studied in conjunction with corresponding assignments.

AR0803
DESIGN
Semester
.5 Credit
Elective 9-12

Design is the art of visual communications through two-dimensional works. Students considering a career in design fields such as graphic design, book design/publishing, advertising, packaging design, magazine layout, and print media specialist. Students will apply their knowledge of the elements and principles of design to strengthen their visual literacy. We will explore a range of design techniques using various media and software including the Adobe suite, as well as, study the design work of contemporary and historical designers. Possible projects include: font and symbol development, book arts, logo design, cartooning, print advertising including poster and pamphlet design, layout, and illustration. Students are expected to strengthen their verbal, written and visual communication based on the elements and principles of design.

AR0805
DRAWING A
Semester
.5 Credit
Elective 9-12

Drawing A is designed as an introductory course for drawing. Seeing/drawing skills are developed and sensitivity toward the aesthetics of form and space including linear and atmospheric perspective, mark making, value and color application, line and line quality are emphasized. Materials explored include: pencil, pen, colored pencil, pastel, and digital media. Subjects for study may include abstract art, landscapes, portraits, cartoons, still life, animals, and imaginative drawing. Art History and the Elements and Principles of Art will be incorporated to enhance student learning throughout.

AR0806
DRAWING B
Semester
.5 Credit
Elective 9-12

Students will expand skills acquired in Drawing A with a strong emphasis on observational skills. Students will explore new mediums and apply practiced techniques while focusing on composition, design, creativity and problem solving skills. Opportunities will be given to students for experimentation with various mediums, as well as, subject matter. Contemporary trends in Art will be integrated within the course to enrich student knowledge and awareness. Sketchbook assignments will be required throughout the term in addition to ongoing classwork. This class is recommended for students who are interested in furthering their drawing skills or for students who are planning to pursue a creative career. *Prerequisite: Drawing A*

AR0808
PAINTING A
Semester
.5 Credit
Elective 9-12

Painting A is a foundation course for students interested in developing their art skills. Painting skills will be developed through a variety of lessons which may include portraiture, still-life, landscape, and architectural forms. Students will further their understanding of design principles, color theory, critical thinking and problem solving. These concepts will be introduced and illustrated throughout the course along with exposure and analysis of movements associated in art history. A variety of painting techniques and media will be explored including acrylic, collage, watercolor, and mixed media.

AR0809
PAINTING B
Semester
.5 Credit
Elective 9-12
Prerequisite:
Painting A

Students will expand skills acquired in Painting A. Emphasis will be placed on further developing painting skills using acrylic, tempera and watercolor paint. Subjects for study may include abstract art, landscapes, portraits, cartoons, still life, animals, and imaginative painting. Art History and the Elements and Principles of Art will be incorporated to enhance student learning. Students will focus on compositional elements of design and strengthening problem solving skills. Student's personal style is expected to evolve throughout the course. Contemporary trends in Art will be integrated within the course to enrich student knowledge and awareness. This class is recommended for students who are planning to pursue a creative career. Portfolio development will be emphasized.

AR0812
CERAMICS A
Semester
.5 Credit
Elective 9-12

In Ceramics A, students will learn basic skills and technical knowledge of traditional hand building methods: pinched forms, coil and slab construction and will use a range of surface decoration and firing techniques. Students must successfully complete Ceramics A before continuing in Ceramics B. In both A & B, historical and contemporary trends in ceramics are studied through the art making process and research. Students are expected to express themselves through visual, verbal and written formats. Students interested in a career in ceramics, industrial design, architecture, sculpture, or set design may begin building a portfolio for continuing study in the arts.

AR0814
CERAMICS B
Semester
.5 Credit
Elective 9-12
Prerequisite:
Ceramics A

In Ceramics B, students will apply the knowledge and skills gained in Ceramics A. Students are expected to demonstrate growth in problem solving, controlling the properties of clay to develop complex forms, strengthening artistic expression and critical thinking. In both A & B, historical and contemporary trends in ceramics are studied through research and in-class presentations. Students are expected to express themselves through visual, verbal and written formats. Students interested in a career in ceramics, industrial design, architecture, sculpture, or set design may begin building a portfolio for continuing study in the arts.

AR0817
SCULPTURE A
Semester
.5 Credit
Elective 9-12

This course is designed to develop skills of three-dimensional problem solving and allows students to work with a variety of media. Materials to be explored may include clay, Paris Craft, wire, papier mache', fabric and fibers and resistant materials like plaster, wood and metal. Students will be introduced to basic techniques in sculpture through projects such as foam carving, mask making, figure sculpture, soft sculpture and both low and high-relief work. Students will have the opportunity to do individual research on sculptors and specific media and techniques. Research and reflective analysis of works created by master artists from diverse cultures and media will enhance student production skills.

AR0818
SCULPTURE B
Semester
.5 Credit
Elective 9 -12
Prerequisite:
Sculpture A

Sculpture B is a continuation of skills acquired in Sculpture A. Students will continue to develop their skills in working with clay, paper mache, soft sculpture and other materials. Emphasis will be placed on compositional elements of design and strengthening problem solving skills. Students will produce works in the round, as well as, works in relief. Opportunities will be given to students for experimentation with various mediums, as well as, development of personal style throughout the course.

AR0819
DIGITAL PHOTOGRAPHY
Year
1 Credit
Elective 10-12

This course is designed to instruct students to use digital cameras as well as industry standard digital editing software. Students will receive instruction in design, rules of composition and a brief history of photography. Students will learn skills related to the use of digital cameras, how cameras work, lighting and exposure, photography techniques, and skills for editing and creating digital images using Adobe Photoshop. Students will not only be involved in the production of the digital images but also the steps to printing and presentation of the image in a professional manner.

CE8504/CE8498
INTRODUCTION TO ART (VIRTUAL)
Year OR Semester
1 OR .5 Credit
Elective 9-12

Covering art appreciation and the beginning of art history, this course encourages students to gain an understanding and appreciation of art in their everyday lives. Presented in an engaging format, Intro to Art provides an overview of many introductory themes: the definition of art, the cultural purpose of art, visual elements of art, terminology and principles of design, and two- and three-dimensional media and techniques. Tracing the history of art, high school students enrolled in the course also explore the following time periods and places: prehistoric art, art in ancient civilizations, and world art before 1400.

CE8515
ART HISTORY I (VIRTUAL)
Semester or Year
.5 Credit or 1 Credit
Elective 9 -12

Introducing art within historical, social, geographical, political, and religious contexts for understanding art and architecture through the ages, this course offers high school students an in-depth overview of art throughout history, with lessons organized by chronological and historical order and world regions. Students enrolled in this course cover topics including early medieval and Romanesque art; art in the twelfth, thirteenth, and fourteenth centuries; fifteenth-century art in Europe; sixteenth-century art in Italy; the master artists; High Renaissance and baroque art; world art, which includes the art of Asia, Africa, the Americas, and the Pacific cultures; eighteenth-and nineteenth-century art in Europe and the Americas; and modern art in Europe and the Americas.

CE8535
FUNDAMENTALS OF DIGITAL MEDIA
.5 Credit
(Virtual)
Elective 9–12

Fundamentals of Digital Media is a semester-long course that presents high school students an overview of the different types of digital media and how they are used in the world today. This course examines the impact that digital media has on culture and lifestyle. The course reviews the basic concepts for creating effective digital media and introduces several different career paths related to digital media. Students learn about the tools used as well as best practices employed for creating digital media. In the course, students explore topics such as the use of social media, digital media in advertising, digital media on the World Wide Web, digital media in business, gaming and simulations, e-commerce, and digital music and movies. Students also review the ethics and laws that impact digital media use or creation.

BUSINESS EDUCATION & COMPUTER SCIENCE

The Business Education curriculum of the Gateway High School is designed to provide all students of various abilities with knowledge, skills, and behaviors necessary to competently perform the tasks in their selected occupational pursuits. It offers the student a diverse background in many technological areas. It also enables the student to adjust to the ever-changing advances in the business world. The Business Education program is designed to provide and develop occupational competencies and an understanding of business, economic competencies, and life skills. Courses are offered which provide a foundation for students at career-entry level as well as post-secondary study.

BU0901/CE8505
INTRO TO COMPUTER SCIENCE
(IN PERSON/VIRTUAL)
Semester
.5 Credit
Elective 9-12

One-semester introduction to programming, with an emphasis on critical thinking, problem solving, and creativity. Specific topics include functions, variables, expressions, conditionals, loops, graphics, and animations, as well as top-down design, testing, and debugging. The course's main goal is for students to learn the fundamentals of programming, to enjoy coding, and to be able to use programming creatively to help solve a variety of interesting problems. No prior coding experience is required.

BU0903/CE8516
MICROSOFT OFFICE
(IN PERSON/VIRTUAL)
Semester
.5 Credit
Elective 9-12

The course is designed to develop student proficiency in using computer and office technology software. Students will be trained to perform basic computer operations. They will develop skills in the use of office software – word processing, spreadsheets, databases, and presentation software (PowerPoint). Students will learn to use the Internet efficiently for educational research. While working in the above areas, students will develop improved keyboarding skills through review and drill exercises.

BU0904
INTRO TO ARTIFICIAL INTELLIGENCE
Semester
.5 Credit
Elective 9-12

One-semester introduction to Artificial Intelligence, with an emphasis on critical thinking, problem solving, and creativity. Specific topics include general understanding of what AI is and is not, data perception, machine learning, generative AI, and applied AI. The course's main goal is for students to learn the fundamentals of Artificial Intelligence and to be able to use AI creatively to help solve a variety of interesting problems. No prior coding experience is required.

BU0905/CE8526
CAREER DEVELOPMENT ESSENTIALS
(IN-PERSON/VIRTUAL)
Semester
.5 Credit
Elective 11-12

Career Development Essentials proves to be a very beneficial course offering a variety of authentic experiences, essential business skills, and job exploration opportunities. In this 21st Century learning environment, students will explore various careers, in particular, those ties to Business. Students will learn about education options available to them upon high school graduation, and what to expect once completing that education. Students will investigate Career Clusters, and attempt to find a match to their interests and abilities. Students will learn essential verbal and written communication skills that will make them marketable and successful in the workplace. Students will have the opportunity to participate in job shadowing experiences related to their career paths. Upon completion of the course, students will have a portfolio consisting of items such as cover letters, resumes, applications, and more. Students will also experience job interviews, etiquette practices, local business guests, and connections with Junior Achievement. This course is a must for the student seeking their future path.

BU0914/CE8511
PERSONAL FINANCE
(IN-PERSON/VIRTUAL)
Semester
.5 Credit
Elective 9-12

Personal Finance is designed to assist students with common financial decisions that arise on a daily basis. Students will develop skills in budgeting, working with bank accounts, making purchases, dealing with credit, mortgages, loans and investments. Students will be utilizing technology to apply knowledge to realistic applications that arise. Students will recognize practices to maximize their money and maintain essential accurate data when dealing with their finances. Students will recognize practices to maximize their money and maintain essential data when dealing with their finances. (College in High School is only offered in-person).

BU0916
SPORTS & ENTERTAINMENT MANAGEMENT & MARKETING
Semester
.5 Credit
Elective 10-12
Prerequisite:
Intro to Business

The course orientates beginning students to the academic and professional field of sports and entertainment management, providing an overview of how to manage sport enterprises. Students will learn the background of marketing and apply concepts to current sports & entertainment issues. If a student is contemplating majoring in this field, or wants to gain general knowledge about the field, this is a perfect class to take.

BU0917/CE8524
INTRODUCTION TO BUSINESS
(IN-PERSON/VIRTUAL)
Semester
.5 Credit
Elective 9-12

This course combines explanations of business and economic concepts with practical applications to help students explore business opportunities and learn to make informed economic decisions in our global economy. Students will also learn what steps they can take to prepare for success in their future careers. Students will explore a vast array of business topics such as the economy, marketing, management, international business, entrepreneurship and competition. (College in High School is only offered In-Person.)

BU0922/CE8524
COMP SCIENCE 2.0
(IN-PERSON/VIRTUAL)
Semester
.5 Credit
Elective 9-12
Prerequisite:
CS1 - Intro to Computer Science

This one-semester course will build upon the foundations and basics learned in the Intro to Computer Science course (prerequisite). The course is designed to support the transition from block-based to text-based programming in Python. Using resources provided by Carnegie Mellon, Google, Project Stem, and an online book as a resource, students will be immersed in resources. Students will utilize the basics to build computational thinking and solve complex problems needed to create programs and analyze data. At the conclusion of the course, students will be prepared to pursue more advanced classes focusing on programming. The sequencing and duration of the units will be flexible, allowing to customize the course to best suit student needs.

BU0926
WEBPAGE DESIGN
Semester
.5 Credit
Elective 9-12

This one-semester course will introduce students to creating effective websites. Students will learn the standards that are being used on the Web to develop webpages. Topics include Critique, Evaluate, Design, and HTML, CSS, and JavaScript. This course is similar to a college introductory course of Web Page Design.

BU5901
HONORS ENTREPRENEURSHIP
Year
1 Credit
Elective 11 – 12
Prerequisite:
Previous Business Class and Teacher Approval

Honors Entrepreneurship is a course for students interested in business ownership. Students will apply concepts of accounting, communications, decision-making, minimizing risk, marketing, management, and basic economic knowledge. Students will design and develop business plans and generate ideas for the operation of businesses.

BU5903
HONORS MICROSOFT OFFICE
Semester
.5 Credit
Elective 9-12

This course is an advanced level course offered to students seeking technology credit while moving at an honors pace and utilizing practical software. This course is designed to introduce the Windows operating system and the use of Microsoft Office applications selected from the principal areas of applications for personal computing. In this course, students will reinforce fundamental skills and learn advanced skills in Microsoft Word, Excel, PowerPoint, and Access. They will learn how to integrate these applications, which is important for various personal and business situations. They will also learn basic hardware and networking concepts

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BU5904
AP COMPUTER SCIENCE A+
Year
1 Credit
Elective 9-12
Prerequisite:
Algebra I

AP Computer Science A+ is equivalent to a first-semester, college-level course in computer science. The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using Java language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. The AP Computer Science A course curriculum is compatible with many CS1 courses in colleges and universities. This course will satisfy one math credit towards Gateway High School graduation requirements.

BU5905
AP COMPUTER SCIENCE PRINCIPLES
Year
1 Credit
Elective 10-12
Prerequisite:
Algebra I

AP Computer Science Principles is equivalent to a first-semester, college-level course in computer science. This full year course introduces students to the foundational concepts of computer science and explores the impact computing and technology have on our society. The course covers a broad range of foundational topics including: programming, algorithms, the Internet, big data, digital privacy and security, and the societal impacts of computing. This course will satisfy one math credit toward Gateway High School graduation requirements.

CE8525
CAREER PLANNING AND DEVELOPMENT
Year
1 Credit
Elective 9-12

Introducing high school students to the working world, this year-long course provides the knowledge and insight necessary to compete in today's challenging job market. This relevant and timely course helps students investigate careers as they apply to personal interests and abilities, develop the skills and job search documents needed to enter the workforce, explore the rights of workers and traits of effective employees, and address the importance of professionalism and responsibility as careers change and evolve. This year long course includes lessons in which students create a self-assessment profile, a cover letter, and a résumé that can be used in their educational or career portfolio.

CE8510
ONLINE LEARNING AND DIGITAL CITIZENSHIP (VIRTUAL)
Semester
.5 Credit
Elective 9-12

This one-semester course provides students with a comprehensive introduction to online learning, including how to work independently, stay safe, and develop effective study habits in virtual learning environments. Featuring direct-instruction videos, interactive tasks, authentic projects, and rigorous assessments, the course prepares students for high school by providing in-depth instruction and practice in important study skills such as time management, effective note-taking, test preparation, and collaborating effectively online. By the end of the course, students will understand what it takes to be successful online learners and responsible digital citizens.

CE8514
STRATEGIES FOR ACADEMIC SUCCESS (VIRTUAL)
Semester
.5 Credit
Elective 9-12

Offering a comprehensive analysis of different types of motivation, study habits, and learning styles, this one-semester course encourages high school students to take control of their learning by exploring varying strategies for success. Providing engaging lessons that will help students identify what works best for them individually, this one-semester course covers important study skills, such as strategies for taking high-quality notes, memorization techniques, test-taking strategies, benefits of visual aids, and reading techniques.

CE8527
INTRODUCTION TO CODING (VIRTUAL)
Semester
.5 Credit
Elective 9-12

Intro to Coding covers a basic introduction to the principles of programming, including algorithms and logic. Students engage in hands-on programming tasks in the Python programming language as they write and test their own code using the approaches real programmers use in the field. Students will program with variables, functions and arguments, and lists and loops, providing a solid foundation for more advanced study as well as practical skills they can use immediately.

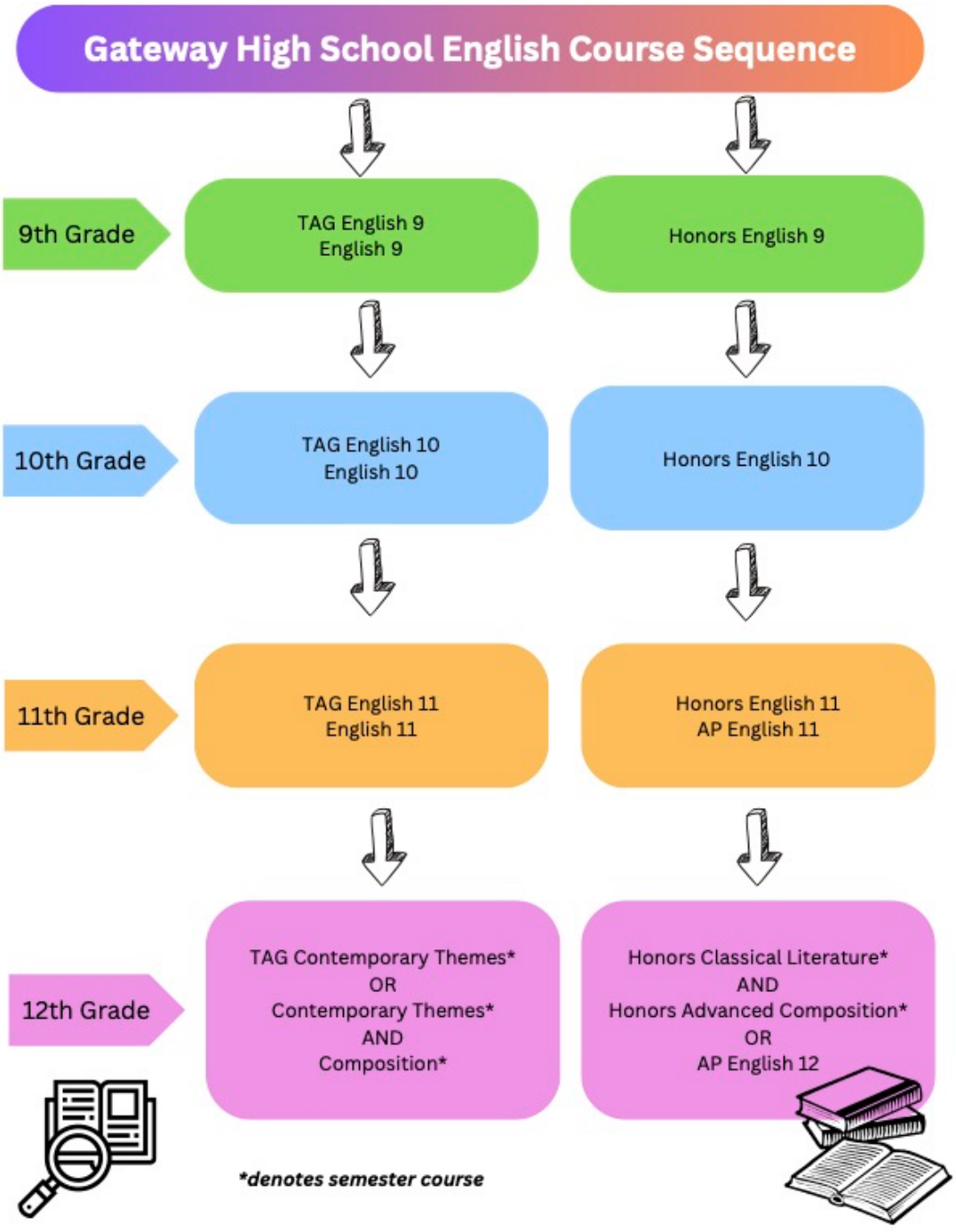
CE8528
ENTREPRENEURSHIP (VIRTUAL)
Year
1 Credit
Elective 9-12

This full-year course is designed to provide the skills needed to effectively organize, develop, create, manage and own a business, while exposing students to the challenges, problems, and issues faced by entrepreneurs. Throughout this course, students explore what kinds of opportunities exist for small business entrepreneurs and become aware of the necessary skills for running a business. Students become familiar with the traits and characteristics that are found in successful entrepreneurs, and see how research, planning, operations, and regulations can affect small businesses. Students also learn how to develop plans for having effective business management, financing and marketing strategies.

LANGUAGE ARTS

The Language Arts Program is based upon a core curriculum in grades 9-10-11. An elective format is available to all seniors and with limited availability to juniors and sophomores. The purpose of the English Program is to provide courses that concentrate on the major areas of English language and literature with emphasis on the fundamentals of reading, the process of writing, and speech.

Senior students must select one SKILL (S) course and one LITERATURE (L) class to receive a full credit. Only those courses taken during the senior year count towards the fourth unit of English required for graduation. The recommendation of a student's current (Second Semester) English teacher is required for course selection approval.



LA0194/CE8101 **ENGLISH 9** **(In-Person/Virtual)** **Year** **1 Credit** **Required 9** **Approved NCAA Core Course**	English 9 is designed for students who have demonstrated a solid working knowledge of the fundamentals of the English language and critical reading skills through eighth grade. In English 9, students will strengthen knowledge of the fundamentals of the English language and critical reading skills as well as understand concepts and organization of fictional and nonfictional texts. By using the writing process, students will perfect multi-paragraph and grammar and usage development. Comprehensive literary analysis will be emphasized in short stories, drama, non-fiction, poetry, and classical literature. Speaking, listening, writing, vocabulary, research, and technology skills will be studied and enhanced via the context of the literature.
LA5195 **HONORS ENGLISH** **Year** **1 Credit** **Required 9** **Prerequisite:** **94% average in English 8 and Teacher recommendation** **Approved NCAA Core Course**	Honors 9 English is a rigorous course designed for highly motivated students who demonstrate mastery of grammar and paragraph writing. Students will strengthen knowledge of the fundamentals of the English language and critical reading skills as well as understand concepts and organization of fictional and nonfictional texts. Through a study of the literary classics such as Dickens, Homer, Shakespeare, and Orwell, students will expand their skills of literary analysis and perfect their skills in writing the multi-paragraph essay. A curriculum based on the integration of speaking, listening, writing, vocabulary, research, and technology skills will emphasize the inductive approach to learning as well as responsive techniques and group dynamics. This course includes an independent reading and writing assignment that students must complete during the summer; this work should showcase the student's best independent work to date as the earned grade from this assignment will accompany the student's first quarter grade.
LA2194 **ENGLISH 9 (TAG)** **Year** **2 Credit** **Required 9**	This two-period TAG (Targeted Accelerated Growth) course is designed to increase achievement and overall performance for students who would benefit from additional reading, writing, speaking, and/or listening support. In English 9, students will strengthen knowledge of the fundamentals of the English language and critical reading skills as well as understand concepts and organization of fictional and nonfictional texts. By using the writing process, students will deepen multi-paragraph, grammar, and usage development. Comprehensive literary analysis will be emphasized in short stories, drama, non-fiction, poetry, and classical literature. Speaking, listening, writing, vocabulary, research, and technology skills will be studied and enhanced via the context of the literature.
LA0104/CE8102 **ENGLISH 10** **(IN PERSON/VIRTUAL)** **Year** **1 Credit** **Required 10** **Approved NCAA Core Course**	Students will strengthen knowledge of the fundamentals of the English language and critical reading skills as well as understand concepts and organization of fictional and nonfictional texts. Comprehensive literary analysis will be emphasized in short stories, drama, non-fiction, poetry, and classical literature. Using the writing process and an awareness of focus, tone, and style, students will master the multi-paragraph essay through narration, exposition, description, research, and persuasion. Vocabulary study that focuses on meaning clarification and draws conclusions about word connotations will promote effective written and oral communication. Speaking, listening, writing, vocabulary, research, and technology skills will be studied and enhanced via the context of the literature. English 10 will sharpen skills in preparation for the Keystone Literature Exam, but course content is not limited to exam material.

LA5105
HONORS ENGLISH 10
Year
1 Credit
Required 10
Prerequisite:
85% in Honors English 9 and Teacher recommendation and Proficient or Advanced on the Literature Keystones.
Approved NCAA Core Course

Honors 10 is intended for sophomores who have demonstrated highly developed analytical, interpretive, and evaluative skills in reading, writing, speaking, and researching. In Honors 10, students will strengthen knowledge of the fundamentals of the English language and critical reading skills as well as understand concepts and organization of fictional and nonfictional texts. They will study a broad genre of classical literature through a sophisticated examination of the short story, novel, non-fiction, poetry, and drama, as well as the study of the music and art of the period. Student writing will focus on perfecting multi-paragraph literary analysis, expository writing, and persuasion culminating with an MLA documented research paper. Vocabulary study that focuses on meaning clarification and draws conclusions about word connotations will promote effective written and oral communication. Speaking, listening, writing, vocabulary, research, and technology skills will be studied and enhanced via the context of the literature. Honors English 10 will sharpen skills in preparation for the Keystone Literature Exam, but course content is not limited to exam material. This course includes an independent reading and writing assignment that students must complete during the summer; this work should showcase the student's best independent work to date as the earned grade from this assignment will accompany the student's first quarter grade.

LA2104
ENGLISH 10 (TAG)
Year
2 Credits
Required 10
Prerequisite:
English 9 and Teacher recommendation

This two-period TAG (Targeted Accelerated Growth) course is designed to increase achievement and overall performance for students who would benefit from additional reading, writing, speaking, and/or listening support. In English 10, students will strengthen knowledge of the fundamentals of the English language and critical reading skills as well as understand concepts and organization of fictional and nonfictional texts. Comprehensive literary analysis will be emphasized in short stories, drama, non-fiction, poetry, and classical literature. Using the writing process and an awareness of focus, tone, and style, students will master the multi-paragraph essay through narration, exposition, description, research, and persuasion. Vocabulary study that focuses on meaning clarification and draws conclusions about word connotations will promote effective written and oral communication. Speaking, listening, writing, vocabulary, research, and technology skills will be studied and enhanced via the context of the literature. English 10 will sharpen skills in preparation for the Keystone Literature Exam, but course content is not limited to exam material.

LA0114/CE8103
ENGLISH 11
(IN PERSON/VIRTUAL)
Year
1 Credit
Required 11
Approved NCAA Core Course

In a survey of American literature, units will focus on works of literature of various forms, i.e. short stories, essays, sermons, poetry, plays, and novels in their historical content. These selections will often be analyzed, interpreted, and/or evaluated comparatively with contemporary selections that have similar themes. Students will examine and analyze text to uncover important philosophical, religious, social, political, and/or ethical ideas of the time period and deepen reading comprehension. Vocabulary study that focuses on meaning clarification and draws conclusions about word connotations will promote effective written and oral communication. Student writing will focus on literary analysis, expository writing, and persuasion culminating with a research paper/project requiring mastery of MLA documentation skills. Additionally, students will have opportunities to improve oral skills via group and individual presentations.

LA5125 **AP ENGLISH 11** **Year** **1 Credit** **Required 11** **Prerequisite:** **"A" average in Honors English 10. Teacher recommendation and Score of Proficient or Advanced on the Literature Keystones.** **Approved NCAA Core Course**	Students will deepen and expand their understanding of the rhetorical function of language through their interactions with formal and informal genres with a primary focus on a variety of works representative of American literature and contemporary works, excerpts, passages, etc. from newspapers, magazines, digital media, advertisements, etc. Reading and writing activities in the course will hone students' control of formal conventions of written language; the course also helps students understand that formal conventions of the English language in its many written and spoken dialects are historically, culturally, and socially produced. Research methods will yield an in-depth understanding of a particular author/work. The goals of the course are to develop students' cultural literacy and to facilitate students' informed citizenship. The class will sharpen skills in preparation for the AP Language and Composition exam, but it is not limited to those taking the exam.
LA5115 **HONORS ENGLISH 11** **Year** **1 Credit** **Required 11** **Prerequisite:** **85% average in Honors English 10. Teacher recommendation and Proficient or Advanced on the Literature Keystones.** **Approved NCAA Core Course**	Students exhibiting foundational writing and analytical skills will intensively interact with a variety of works representative of American literature from its origin to the present day. Historical, cultural, literary, and personal associations will be explored via thematically related in-depth discussions, projects, writing, and research. Formal and creative writing activities emphasizing writing as a recursive process are designed to develop, refine, and expand writing voice and technique. Students will actively participate in in-depth class discussions that are designed to hone productive communication skills. All discussion and writing will focus on literary analysis, and students are expected to complete lengthy and involved reading assignments. A culminating literature-based research paper/project demonstrating mastery of MLA skills will be required. This course includes an independent reading and writing assignment that students must complete during the summer; this work should showcase the student's best independent work to date as the earned grade from this assignment will accompany the student's first quarter grade.
LA2114 **ENGLISH 11 (TAG)** **Year** **1 Credit** **Required 11** **Prerequisite:** **English 10 and Teacher recommendation and Scoring Basic or Below Basic on the Literature Keystones.**	This one-period TAG (Targeted Accelerated Growth) course is designed to increase achievement and overall performance for students who would benefit from additional reading, writing, speaking and/or listening support. In a survey of American literature, units will focus on works of literature of various forms, i.e. short stories, essays, sermons, poetry, plays, and novels in their historical content. These selections will often be analyzed, interpreted, and/or evaluated comparatively with contemporary selections that have similar themes. Students will examine and analyze text to uncover important philosophical, religious, social, political, and/or ethical ideas of the time period and to deepen reading comprehension. Vocabulary study that focuses on meaning clarification and draws conclusions about word connotations will promote effective written and oral communication. Student writing will focus on literary analysis, expository writing, and persuasion culminating with a research paper/project requiring mastery of MLA documentation skills. Additionally, students will have opportunities to improve oral skills via group and individual presentations.

LA0143
CONTEMPORARY THEMES IN LITERATURE
Semester
.5 Credit
(L) Required 12
Prerequisite: English 11. Teacher recommendation
Approved NCAA Core Course

This course requires students to read critically and to analyze multiple short stories and multiple Twentieth Century novels. The course is designed to provoke critical thinking skills, independent analysis, and expository writing skills. Learning is accomplished through intensive reading and writing assignments, participating in classroom discussions and in cooperative groups as well as completing alternative assessment projects and presentations. The course will culminate with required reading and writing portfolios that focus on independent analysis of student selected novels.

LA5145
HONORS CLASSICAL LITERATURE
Semester
.5 Credit
(L) Required 12
Prerequisite: 85% in Honors 11. Teacher recommendation and Score of Proficient or Advanced on the Literature Keystones.
Approved NCAA Core Course

Students will explore, interpret, and critically analyze representative works from the spectrum of classic literature. In addition to Shakespeare, students will investigate works from novelists such as Dickens, Hardy, Bronte, Swift, Hemingway, Camus, Joyce, and Hesse, and poets such as Donne, Eliot, Milton, Wordsworth, Tennyson, Arnold, Dickinson and Frost. Themes from these works will be interrelated when applicable. Focus will be on in-depth analysis of the literature as well as personal response to it. Strong emphasis will be placed on student responsibility in discussion and, occasionally, on leading that discussion. Writing will be frequent and emphasize literary analysis. Research methods will yield an in-depth understanding of a particular work.

LA0144
CONTEMPORARY THEMES IN LITERATURE (TAG)
Semester
.5 Credit
(L) Required 12
Prerequisite: English 11. Teacher recommendation
Approved NCAA Core Course

This course requires students to read critically and to analyze multiple short stories and multiple Twentieth Century novels. The course is designed to provoke critical thinking skills, independent analysis, and expository writing skills. Learning is accomplished through intensive reading and writing assignments, participating in classroom discussions and in cooperative groups as well as completing alternative assessment projects and presentations. The course will culminate with required reading and writing portfolios that focus on independent analysis of student selected novels.

LA0161
COMPOSITION
Semester
.5 Credit
(S) Required 12
Prerequisite:
English 11 Teacher recommendation
Approved NCAA Core Course

Aiming to prepare students for college and career-readiness, this writing course further develops a student's focus, content, organization, style, and conventions in various types of compositions. Using the process approach, students will deepen and perfect paragraph writing as well as master multi-paragraph essay development. Emphasis will be placed on the student's writing and grammar skill acquisition in addition to his/her understanding and development of writing modes: example, reasons, compare/contrast, narrative, reflective, literary analysis, cause/effect, research, persuasive, etc. Skill growth and proficiency will be measured via pre-assessments, quizzes, exams/ common assessments, and incorporation within compositions. Creative writing, such as poetry or short story writing, may be incorporated, and students may be required to read, analyze, and interpret both fictional and nonfiction texts as they relate to course assignments. Students will write approximately 10-14 single and multi-paragraph essays.

LA5126
AP ENGLISH 12
Year
1 Credit
Required 12
Prerequisite:
"A" average in Honors English 11. Teacher recommendation and Score of Proficient or Advanced on the Literature Keystones.
Approved NCAA Core Course

Students will interact with a variety of texts by reading, analyzing, and discussing classical and modern masterpieces of literature, and students will analyze and evaluate the author's purpose based on the author's use of literary and poetic devices. Authors include Shakespeare, Chaucer, Bronte, Kafka, Solzhenitsyn, Conrad, Joyce, Hurston, etc. Focus will be on personal response to literature as well as in-depth class discussion of the literature. Strong emphasis will be placed on student responsibility for both participating in and leading discussion. Writing experiences, which will be frequent and varied, emphasize literary analysis and written communication skills. Research methods will yield an in-depth understanding of a particular work. The class will sharpen skills in preparation for the AP exam, but it is not limited to those taking the exam. This course includes an independent reading/writing assignment that students must complete during the summer; this work should showcase the student's best independent work to date as the earned grade from this assignment will accompany the student's first quarter grade.

CE8104
ENGLISH LANGUAGE ARTS 12 (VIRTUAL)
Year
1 Credit
Required 12
Approved NCAA Core Course

This senior-level English course offers fascinating insight into British literary traditions spanning from Anglo-Saxon writing to the modern period. With interactive introductions and historical contexts, this full-year course connects philosophical, political, religious, ethical, and social influences of each time period to the works of many notable authors, including Chaucer, William Shakespeare, Queen Elizabeth I, Elizabeth Barrett Browning, and Virginia Woolf. Adding an extra dimension to the British literary experience, this course also exposes students to world literature, including works from India, Europe, China, and Spain.

LA5162
HONORS ADVANCED COMPOSITION
Semester
.5 Credit
(S) Required 12
Prerequisite:
85% in Honors 11 or A average in English 11. Must have teacher recommendation and Score of Proficient or Advanced on the Literature Keystones.
Approved NCAA Core Course

Advanced Composition is a writing-intensive course that focuses upon critical thinking skills; the course encourages the student as a writer to become an independent thinker and to discover his/her writing voice. By focusing on a writer's individual writing process and examining a writer's craft, students will deepen and perfect paragraph writing as well as master multi-paragraph essay development. Emphasis will be placed on the student's writing and grammar skill acquisition in addition to his/her understanding and development of writing modes. This course will also hone creative and reflective writing fluency as well as provide opportunities for enrichment; whereby, students will develop sophisticated revision techniques and confidence in their ability to self-design, self-assess, and self-correct. Speaking, listening, vocabulary, research, and technology skills will be enhanced as they relate to course outcomes. Students may be required to read, analyze, and interpret both fictional and nonfiction texts as they relate to course assignments. This course includes an independent reading assignment that students must complete during the summer.

LA0164/CE8107
SPEECH (IN PERSON/VIRTUAL)
Semester
.5 Credit
Elective 10-12 (S)
Approved NCAA Core Course

Speech introduces students to the different types of oral communication encountered in daily living. Students will develop an understanding of the oral communication process and how the process impacts them both as speakers and listeners. Via small and large groups, class activities are designed to improve interpersonal communication skills both in and out of class. Areas of emphasis include but are not limited to message, content, delivery, language usage, and development of self-confidence and poise. To analyze and assess superior speech development, students will read or view full length speeches as well as excerpts from them: written analysis, as well as original speech writing, will accompany mastery of course concepts. Speaking, listening, writing, research, and technology skills will be studied, developed, and enhanced within the context of course outcomes. (Course may not be substituted for a Core Course in grades 10 & 11.)

LA0195
SPORTS LITERATURE
Semester
.5 Credit
Elective 9-12

Sports Literature will focus on the love of the game, competition, struggle, and triumph. Students will examine connections between sports and society via interaction with literature from various genres. Readings in the course are selected to be high-interest and thought provoking, covering modern fiction, poetry, nonfiction, biographies, and commentaries. Critical thinking projects and assignments will provide students with the opportunity to express personal reactions with confidence and clarity through argumentative and informative pieces. Students will develop their literacy skills through close reading, writing, speaking, listening, and viewing, while also engaging in the study of high-interest content.

Sports Novels Read:

- After the Shot Drops–Randy Ribay
- Friday Night Lights–Buzz Bissinger
- Game–Walter Dean Myers
- Ironman–Chris Crutcher
- Outcasts United–Warren St. John
- Dragon Hoops–Gene Luen Yang
  (also works for Contemporary Comics)
- Beartown–Fredrik Backman

LA0196
CONTEMPORARY COMICS
Semester
.5 Credit
Elective 9-12

Contemporary Comics will explore the engaging genre of image-based media. This course introduces students to a variety of contemporary comics and pictorial novels through analysis of classic, influential texts. In this emerging art form, words combine with imagery to create powerful texts that result in captivating characters, plot lines, symbols, lessons, etc. Students will learn about the literary and visual properties of such works by reading, analyzing, and discussing a variety of image-based novels. Students will focus on the complexities of reading visual-textual interactions, on the status of comics and graphic novels in both the literary and arts worlds. Students will also have the opportunity to practice short, creative exercises helping them gain a better understanding of how comics tell stories.

Graphic Novels Read:

- Batman: The Dark Knight Returns by Frank Miller
- Maus: A Survivor's Tale by Art Spiegelman
- Dragon Hoops–Gene Luen Yang
- Persepolis by Marjane Satrapi
- A Life Force by Will Eisner
- A Contract with God by Will Eisner
- American Born Chinese by Gene Luen Yang,
- V for Vendetta by Alan Moore
- Understanding Comics: The Invisible Art by Scott McCloud
- Graphic Storytelling and Visual Narrative by Will Eisner

(S) – Skill
(L) – Literature

CE8106
COMPOSITION
(VIRTUAL)
Semester
.5 Credit
Elective 9-12

Offering high-interest topics to motivate students who are reading two to three levels below grade, this course works in conjunction with Literacy & Comprehension I to use a thematic and contemporary approach to expose students to effective instructional principles using diverse content area and real-world texts. Each of these reading intervention courses offers an engaging, technology-based interface that inspires and challenges high school and middle school students to gain knowledge and proficiency in the following comprehension strategies: summarizing, questioning, previewing, and predicting, recognizing text structure, visualizing, making inferences, and monitoring understanding with metacognition. Aimed at improving fluency and vocabulary, self-evaluation strategies built into these courses inspire students to take control of their learning.

FAMILY & CONSUMER SCIENCES

The Family and Consumer Sciences Department enables students to obtain knowledge, understanding and skills necessary for living in a healthy, safe, and creative environment. Students are encouraged to develop attitudes and skills that enable them to function as responsible citizens. Management of human and material resources are carefully examined. Related employment opportunities are shared with students, including hands-on computer experience.

FASHION AND CLOTHING

FC0953
FASHION AND CLOTHING
Semester
.5 Credit
Elective 9-12

This semester-long course introduces students to the fashion industry, providing an overview of how the fashion business works, from raw materials to the production and retail distribution of fashion goods. The areas of fashion design, production, methods of predicting consumer demand, buying, pricing, retailing, and promoting fashion products are analyzed. Other projects will focus on career paths in the fashion industry, fashion designers, historical influences on fashion, and fabric characteristics.

FC0954
CLOTHING CONSTRUCTION I
Semester
.5 Credit
Elective 9-12

This course introduces students to basic textiles, sewing, serger and pressing equipment. Each student will start with a novice level sewing project, using basic sewing techniques, as their skills improve they are able to select from a variety of projects based on their skill level. Students will create a portfolio of basic construction technique samples.

FC0955
CLOTHING CONSTRUCTION II
Semester
.5 Credit
Elective 10-12

Students will study and apply intermediate and advanced sewing, serger and pressing techniques. Students will review the types of fabric construction and construct intermediate level projects using correct construction techniques. Students will gain a greater understanding of computerized sewing machines, along with learning to operate the embroidery machine. Students will expand on their portfolio of construction techniques samples to include intermediate level construction techniques.

FC0956
CLOTHING CONSTRUCTION III
Semester
.5 Credit
Elective 11-12

Students will be introduced to flat pattern design, and use Fashion Design CAD software to design their own clothing designs and ensembles. They will apply advanced level construction techniques to construct this garment or ensemble. The garment and ensemble will incorporate advanced fashion construction techniques. Students will expand on their portfolio of construction techniques samples to include advanced level construction techniques.

FOODS AND NUTRITION

FC0951/CE8533
FOODS & NUTRITION (IN-PERSON/VIRTUAL)
Semester
.5 Credit
Elective 9-12

Foods & Nutrition is an introductory course that explores food preparation and nutritional decision making. Students will use numerous cooking and preparation methods. Throughout the course, foods from all food groups are prepared. Nutrition labels and product packaging is also examined to determine healthy vs. unhealthy based on one's personal dietary needs. Food safety and sanitation practices are examined and adhered to throughout the course. Students will study the basic nutrients necessary for overall health and wellness. By the end of the semester, students will be educated food consumers equipped with basic food choice and preparation methods to lead healthy independent lives in the kitchen and at the grocery store!

Note: Students will have a choice in foods that are prepared. We adapt and adjust recipes based on allergies, religious beliefs and personal food preferences.

FC0952
ADVANCED FOODS & NUTRITION
Semester
.5 Credit
Elective 10-12
Prerequisite:
A grade of C (or higher) in Foods & Nutrition

Advanced Foods & Nutrition will focus on more in-depth food preparation methods. In addition to choosing their own recipes for various food labs, students will prepare pasta and sauces from scratch, create meal plans for a guest of their choice, and consider ways to lower the fat and increase nutrient content of dishes they typically eat at home. Students will use food technology and unique small appliances to aid in food preparation. Students will examine where their food comes from, in terms of how it is grown, produced, and transported. Students will consider their "relationship" with food and how best to manage their individualized diet and overall nutritional wellness. The course will also highlight some dishes from around the world. Students are encouraged to share their food cultures with the class!
Note: Students will have a choice in foods that are prepared. We adapt and adjust recipes based on allergies, religious beliefs and personal food preferences.

FC0967
FOODS 3.0
Semester
.5 Credit
Elective 10-12
Prerequisite:
A grade of C or better in Advanced Foods & Nutrition

Foods 3.0 is a student driven course that introduces specialized food preparation and explores the many facets of the food industry. Students will participate in unique labs such as canning, pickling, making pierogies with choice fillings, and creating unique, modern and historical dishes. Independent and differentiated labs based on student interest and ability level will be completed throughout the semester. Students will examine careers in the food industry and identify what drives food production, prices, availability and choice. Cooking competitions and challenges will be completed throughout the course.
Note: Students will have a choice in foods that are prepared. We adapt and adjust recipes based on allergies, religious beliefs, and personal food preferences.

FC0958
CHILD DEVELOPMENT
Semester
.5 Credit
Elective 9-12

Research indicates that the first few years of life are the most influential in the overall development of a human being. In this course the student will study life before birth and learn what is necessary in creating a healthy baby. Prenatal care and the physical, emotional, social, and intellectual development of the early years are stressed. Current issues related to childcare such as parental readiness, influences of the media, technology, and effective disciplines are stressed. Any student interested in parenting, education, childcare, health care, or related fields would benefit from this course. This course is a prerequisite for Preschool Education Courses.

FC0959
PRESCHOOL EDUCATION I
Semester
.5 Credit
Elective 10-12
Prerequisite:
A grade of C or better in Child Development

This course is designed to explore advanced child development concepts and theories through an actual interactive Preschool experience. This course allows the student with special interest and ability to pursue an advanced study of children. Opportunity to apply learning through observations and interactions with children will be provided through the operation of a preschool program. A 12-week preschool experience for local children is provided in which students plan and carry out all activities for the children. Guiding, teaching, and helping children develop through play experiences are the focus of this course. Classroom planning will include activities in the areas of the arts, science, literacy, math, physical education, music and social studies. Career opportunities, physical handicaps of children, learning disabilities, as well as related areas, are explored. Students pursuing careers in childcare, education, or other related fields, would find this course beneficial.

*Due to safety and liability issues when working with children, discipline records of students are reviewed prior to acceptance into this course. Conduct unbecoming of a student may be grounds for denial of the course or removal from course with penalty.

FC0960
PRESCHOOL EDUCATION II
Semester
.5 Credit
Elective 10-12
Prerequisite:
A grade of C or better in Preschool Education I

Preschool Education II provides the student with additional activities and responsibilities in the preschool lab. Level II students will take on a leadership role in the class and provide insight and experience to the lessons and their peers.

*Due to safety and liability issues when working with children, discipline records of students are reviewed prior to acceptance into this course. Conduct unbecoming of a student may be grounds for removal from the course with penalty.

FC0961
PRESCHOOL EDUCATION III
Semester
.5 Credit
Elective 11-12
Prerequisite:
A grade of C or better in Preschool Education I & II

Students taking the level III course will serve as a teaching assistant to the instructor and help in preparing the master schedule matrix. Students will strive to develop a personal philosophy regarding the education and care of young children. Students will select a theorist and compare and contrast their views on how children learn during the preschool stage and present their findings in the form of a research paper. Students will collaborate and create a brochure, PowerPoint presentation and album documenting the activities that take place throughout the year. Finally, students will plan events such as "Meet the Teacher", Graduation and the end of the year festival.

*Due to safety and liability issues when working with children, discipline records of students are reviewed prior to acceptance into this course. Conduct unbecoming of a student may be grounds for removal from the course with penalty.

INTERIOR DESIGN

FC0957
INTERIOR DESIGN I
Semester
.5 Credit
Elective 9-12

Have you always wanted to learn decorating principles and techniques? This course provides opportunities to explore housing and interior design decisions with an emphasis on hands-on projects. You'll learn the elements and principles of design—color, texture, scale and balance and how to apply them to any room or a whole house. Knowledge of furniture, lighting, backgrounds, and accessories are applied to create both pleasing and functional areas. Students will design and create floor plans, select and apply color schemes, research design styles and architectural elements. We will address issues pertaining to careers in the housing and home interiors industry, new technology, and environmental concerns (green design).

Note: This course may incorporate field trips to a local design firm, supplier, and tours at significant architectural sites, as well as presentations by guest speakers.

FINANCIAL LITERACY

FC0962
LIFE ROLES
Semester
.5 Credit
Elective 9-12

Get Ready, Get Set, Go!! Life Roles is a comprehensive course in which students will acquire skills to plan and carry out financial goals for now and in the future. Career options will be evaluated and a course of action planned. This course offers students the basic foundation in developing life- long money management skills. Topics include: Debit cards/Credit cards, identity theft protection, establishing positive credit, resumes, paychecks, check writing/balancing accounts, creating bank accounts, housing decisions, purchasing cars and insurance.

Note: This course may incorporate in-house field trips as well as presentations by guest speakers to explore additional topics to prepare you for life on your own. (e.g.. cooking labs, basic car maintenance)

FC0966
LIFE BEYOND HIGH SCHOOL
Semester
.5 Credit
Elective 12

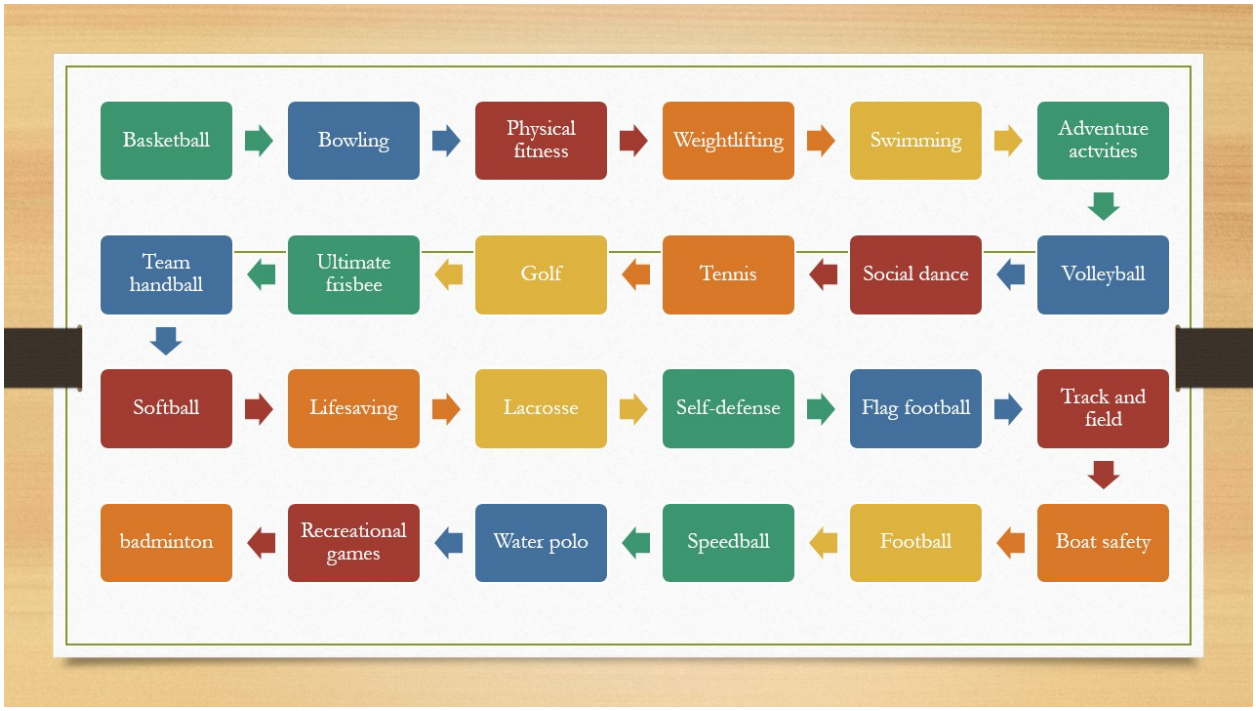
Have you ever wondered what is in store for you after High School? What is life going to be like in college or going straight into the workforce? Making sound choices for your life is more critical now than ever!!! Knowing what is important to you and managing your time and money wisely can help you create a satisfying and rewarding life. This course prepares students to transition into adulthood by focusing on financial and resource management and personal health and safety. This self-management and practical skills curriculum prepare students for independent living. This course is a must for any student getting ready to move on to life at college.

FC0963
RECREATION, TRAVEL, AND HOSPITALITY
Semester
.5 Credit
Elective 9-12

Join us for a thrilling adventure with our Recreation, Tourism, and Hospitality Course – a journey that will introduce you to the world of leisure, travel, and service. Topics including hotel management, event planning, travel operations, customer service, tourism marketing, and cultural awareness will be discussed. Students will learn practical skills such as effective communication, problem-solving, and teamwork, essential for success in these service-oriented industries. The curriculum will incorporate real-world experiences, guest lectures from industry professionals, and opportunities for hands-on projects. This course prepares students for diverse career paths within the global hospitality and tourism sectors, including hotels, resorts, theme parks, travel agencies, event management, and more.

PHYSICAL EDUCATION

Physical Education may include any of the following activities:



STUDENTS MUST PASS EACH OF THE EIGHT SEMESTERS OF PHYSICAL EDUCATION AND ONE SEMESTER OF HEALTH IN ORDER TO GRADUATE.

PE0609
PHYSICAL EDUCATION 9A/10A
IN PERSON
Semester
.25 Credit
Required 9/10

Through participation in the program, students will demonstrate sport skills and development in motor fitness, physical fitness, and skills in lifetime sports. Students will focus on wellness and fitness that will improve their knowledge and skills of agility, strength, flexibility, and endurance. Through participation and successful experiences in the program, students will develop work habits to be productive contributing members of society.

PE0619
PHYSICAL EDUCATION 9B/10B
IN PERSON
Semester
.25 Credit
Required 9/10

Through participation in the program, students will demonstrate sport skills and development in motor fitness, physical fitness, and skills in lifetime sports. Students will focus on wellness and fitness that will improve their knowledge and skills of agility, strength, flexibility, and endurance. Through participation and successful experiences in the program, students will develop work habits to be productive contributing members of society.

PE0612
PHYSICAL EDUCATION 11A/12A
IN PERSON
Semester
.25 Credit
Required 11/12

Through participation in the program, students will demonstrate sport skills and development in motor fitness, physical fitness, and skills in lifetime sports. Students will focus on wellness and fitness that will improve their knowledge and skills of agility, strength, flexibility, and endurance. Through participation and successful experiences in the program, students will develop work habits to be productive contributing members of society.

PE0622
PHYSICAL EDUCATION 11B/12B
IN PERSON
Semester
.25 Credit
Required 11/12

Through participation in the program, students will demonstrate sport skills and development in motor fitness, physical fitness, and skills in lifetime sports. Students will focus on wellness and fitness that will improve their knowledge and skills of agility, strength, flexibility, and endurance. Through participation and successful experiences in the program, students will develop work habits to be productive contributing members of society.

CE8506
LIFETIME FITNESS 9
VIRTUAL
Semester
.25 Credit
Required 9

Through participation in the program, students will demonstrate sport skills and development in motor fitness, physical fitness, and skills in lifetime sports. Students will focus on wellness and fitness that will improve their knowledge and skills of agility, strength, flexibility, and endurance. Through participation and successful experiences in the program, students will develop work habits to be productive contributing members of society.

CE8507
LIFETIME FITNESS 10
VIRTUAL
Semester
.25 Credit
Required 10

Through participation in the program, students will demonstrate sport skills and development in motor fitness, physical fitness, and skills in lifetime sports. Students will focus on wellness and fitness that will improve their knowledge and skills of agility, strength, flexibility, and endurance. Through participation and successful experiences in the program, students will develop work habits to be productive contributing members of society.

CE8508
LIFETIME FITNESS 11
VIRTUAL
Semester
.25 Credit
Required 11

Through participation in the program, students will demonstrate sport skills and development in motor fitness, physical fitness, and skills in lifetime sports. Students will focus on wellness and fitness that will improve their knowledge and skills of agility, strength, flexibility, and endurance. Through participation and successful experiences in the program, students will develop work habits to be productive contributing members of society.

CE8509
LIFETIME FITNESS 12
VIRTUAL
Semester
.25 Credit
Required 12

Through participation in the program, students will demonstrate sport skills and development in motor fitness, physical fitness, and skills in lifetime sports. Students will focus on wellness and fitness that will improve their knowledge and skills of agility, strength, flexibility, and endurance. Through participation and successful experiences in the program, students will develop work habits to be productive contributing members of society.

HEALTH

HE0630/CE8502
HEALTH
(IN PERSON/VIRTUAL)
Semester
.5 Credit
Required 10-12

Students will develop an understanding of the different aspects of physical, mental and social health. Lifelong nutrition will be discussed as an important part of living a healthy life. Along with healthy life skills, students will gain an understanding of warning signs of unhealthy relationships, dating violence, and bullying. Students will be able to identify and learn about communicable and non-communicable diseases, tobacco, alcohol and other drugs. First aid and cardio-pulmonary resuscitation skills will be taught with community health problems being an integral part of the course as well.

CE8501
FOUNDATIONS OF
PERSONAL WELLNESS
(VIRTUAL)
Year
1 Credit
Elective 9-12

Exploring a combination of health and fitness concepts, this comprehensive and cohesive course explores all aspects of wellness. Offered as a two-semester course designed for high school students, coursework uses pedagogical planning to ensure that students explore fitness and physical health and encourages students to learn about the nature of social interactions and how to plan a healthy lifestyle. NOTE: This course contains content from both Healthy Living and Lifetime Fitness; to avoid duplication, students should take either those one-semester courses or this full-year course.

CE8500
FOUNDATIONS OF
PERSONAL WELLNESS
(VIRTUAL)
Semester
.5 Credit
Elective 9-12

Exploring a combination of health and fitness concepts, this comprehensive and cohesive course explores all aspects of wellness. Offered as a two-semester course designed for high school students, coursework uses pedagogical planning to ensure that students explore fitness and physical health and encourages students to learn about the nature of social interactions and how to plan a healthy lifestyle. NOTE: This course contains content from both Healthy Living and Lifetime Fitness; to avoid duplication, students should take either those one-semester courses or this full-year course.

CE8521
CONTEMPORARY
HEALTH
(VIRTUAL)
Semester
.5 Credit
Elective 9-12

Available as a semester course, this high-school health offering examines and analyzes various health topics. It places alcohol use, drug use, physical fitness, healthy relationships, disease prevention, relationships and mental health in the context of the importance of creating a healthy lifestyle. Throughout the course, students examine practices and plans they can implement in order to carry out a healthy lifestyle, and the consequences they can face if they do not follow safe practices. In addition, students conduct in-depth studies in order to create mentally and emotionally healthy relationships with peers and family, as well as nutrition, sleeping, and physical fitness plans. Students also examine and analyze harassment and bullying laws. This course covers issues of sex and gender identity, same-sex relationships, contraception, and other sensitive topics.

MATHEMATICS

The Mathematics Program offers a wide selection of courses designed to satisfy the needs of all students. It provides for the common and special mathematical needs of secondary students, including those students planning to attend college, as well as those needing competency in mathematics to function as efficient consumers. The curriculum focuses on accuracy and facility in performing fundamental mathematical operations, ability to analyze and solve problems, understanding of the nature and structure of mathematics, and the utilization of computers and calculators as problem solving tools.

MA0419/CE8201
ALGEBRAIC CONCEPTS*
(IN PERSON/VIRTUAL)
Year
1 Credit
Grade 9
***Students who are basic or below basic on the 8th Grade Math PSSA.**
9th Grade

This course focuses on developing fluency with rational numbers and proportional relationships. Students will extend their elementary skills and begin to learn algebraic concepts that serve as a transition into formal Algebra and Geometry. Students will learn to think flexibly about relationships among fractions, decimals, and percentages. Students will learn to recognize and generate equivalent expressions and solve single-variable equations and inequalities. Students will investigate and explore mathematical ideas and develop multiple strategies for analyzing complex situations. Students will analyze situations verbally, numerically, graphically, and symbolically. Students will apply mathematical skills and make meaningful connections to their life experiences.

MA0422/CE8202
ALGEBRA I
(IN PERSON/VIRTUAL)
Year
1 Credit
Grades 9-10
Prerequisite:
"A or B" in Math 8 and Students must be proficient or advanced on the 8th Grade Math PSSA.
Approved NCAA Core Course

This course is designed to develop algebraic skills. Topics covered include solving equations, graphing, problem solving, connections, functions, operations on polynomials, exponents, factoring, irrationals, systems of equations, and rational expressions. These students will be required to take the Keystone Algebra I Test at the end of the course.

MA422A
iALGEBRA I
Year
2 Credit
Grade 10
Prerequisite:
Algebraic Concepts
Approved NCAA Core Course

This course is an interactive approach to Algebra designed to develop algebraic skills with emphasis on skill intervention. Topics covered include solving equations, graphing, problem solving, connections, functions, operations on polynomials, exponents, factoring, irrationals, systems of equations, and rational expressions. These students will be required to take the Keystone Algebra I Test at the end of the course.

MA423A/CE8203
GEOMETRY
(IN PERSON/VIRTUAL)
Year
1 Credit
Grades 9-11
Approved NCAA Core Course
Prerequisite:
MA422A Algebra I.
Teacher recommendation

This course focuses primarily on the study of traditional Geometry concepts including applications. Some of the topics studied are: relationships between lines, planes, angles and triangles; congruencies and similarities, inequalities, areas and volumes. Applications are done through problem situations completed by the students. Integrated within the course is a review of Algebra I skills.

MA424A/CE8204
ALGEBRA II
(IN PERSON/VIRTUAL)
Year
1 Credit
Grades 9-11
Approved NCAA Core Course
Prerequisite:
MA422A Algebra I.
Teacher recommendation

This course is a continuation of the MA422 Algebra I course. The axioms of the real numbers are used to develop the structures of Algebra. The topics covered are: open sentences in one variable, systems of open sentences in two and three variables, polynomials, factoring, rational numbers and expressions, relations and functions, and irrational numbers.

MA0425/CE8213
TRIGONOMETRY AND PRECALCULUS
(In-Person/Virtual)
Year 1 Credit
Grades 10-12
Prerequisite:
"A" or "B" in Algebra II and Teacher recommendation
Approved NCAA Core Course

This course is recommended for students possessing a strong background and interest in mathematics. Concepts introduced in Algebra II will be expanded upon with the intent of preparing students for calculus. Topics covered in the course will include graphs and applications of the following functions: polynomial, rational, exponential, logarithmic and trigonometric. Algebraic, geometric and technology-enhanced methods will be used.

MA0427
CALCULUS
Year 1 Credit
Grade 12
Approved NCAA Core Course
Prerequisite:
"A" or "B" average in Geometry or Algebra II and Teacher recommendation

This course is less rigorous than AP Calculus. Derivative and Integral Calculus are covered. It is presented in a less intensive manner and at a slower pace. One of the main objectives of the course is that the student will do better in their first-year college calculus course. This course is intended for students majoring in mathematics, science and computer science.

MA0436/CE8200
CONSUMER MATH I
(IN PERSON/VIRTUAL)
Semester
.5 credit
Grade 12
Prerequisite:
Algebra I course.

Advanced Algebra with Financial Applications is a mathematical modeling course that is algebra-based, applications-oriented, and technology-dependent. The course addresses college preparatory mathematics topics from Advanced Algebra, Statistics, and Probability under seven financial umbrellas: Banking, Investing, Credit, Employment and Income Taxes, Automobile Ownership, Independent Living, and Retirement Planning and Household Budgeting.

MA0439/CE8209
INTRO TO PROBABILITY & STATISTICS (IN PERSON/VIRTUAL)
Semester
.5 Credit
Grades 11-12
Approved NCAA Course
Prerequisite:
Algebra II

A first level statistics course provides students with a basic understanding of statistics and prepares them to solve problems that involve collecting and analyzing meaningful data. This includes the study of measures of central tendency, measures of variation, graphical representation of data, least squares regression, correlation, and probability. Technology and statistical literacy will be integrated throughout the course.

MA0442/CE8214
COLLEGE ALGEBRA (IN PERSON/VIRTUAL)
Semester
.5 Credit
Grades 12
Prerequisite:
Algebra II
Approved NCAA Core Course

This course is designed for college bound students. This course is designed for students wanting a more extensive in mathematics, but feel they are not ready for the more rigorous precalculus course. Students will continue their study of Algebra and concentrate on all aspects of Linear, Quadratic, and Polynomial Functions.

MA0429/CE8212
TRANSITION TO COLLEGE MATH (IN PERSON/VIRTUAL)
Semester
.5 Credit
Grade 12
Prerequisite:
Geometry

Transition to College Mathematics is intended to build on previous courses in Algebra I and Geometry and to place emphasis on bringing about a deeper understanding of those mathematical relationships. Emphasis throughout the course be placed on numerical and graphical representations, modeling from data, reasoning clearly and communicating concepts via writing, speaking, listening, drawing, reading, and integrating technology as a tool for developing a deeper understanding of mathematical structure. Ongoing emphasis will be placed on helping students develop study skills and time management that are critical for success in college.

MA5413
HONORS GEOMETRY
Year
1Credit
Grades 9-10
Prerequisite:
Algebra I grade of 90% or higher
Approved NCAA Core Course

This is an accelerated course focusing primarily on the study of traditional Geometry concepts including applications. Some of the topics studied are: relationships between lines, planes, angles and triangles; congruencies and similarities, inequalities, areas and volumes. Introductions to a variety of proofs including two column coordinate and indirect proofs are also discussed. Applications are done through problem situations completed by the students. Integrated within the course is a review of Algebra I skills.

MA5414
HONORS ALGEBRA II
Year
1 Credit
Required 9-11
Prerequisite:
Honors Geometry and Teacher Rec
Approved NCAA Core Course

This is a rigorous course intended for the highly motivated and successful math student. Topics discussed include, but are not limited to, operations on polynomials, factoring, inequalities, rational and irrational expressions, systems of equations (both linear and quadratic) and conic sections. This course includes an independent summer assignment; this should showcase the students best independent work to date as the grade earned from this assignment will accompany the students first quarter grade.

MA5415
HONORS PRECALCULUS/TRIG
Year
1 Credit
Grades 10-11
Approved NCAA Core Course
Prerequisite:
Honors Algebra II and Teacher rec.

This course is designed to prepare students for MA5416 A.P. Calculus, or Business Calculus**. The content places considerable emphasis on algebraic skills including work with functions. Functions treated extensively are: polynomial, logarithmic, exponential, trigonometric, all with graphs. Additional topics include graphs of the trigonometric functions, polar coordinates, complex numbers, conic, mathematical induction, binomial theorem, and matrices. A graphing calculator is used throughout the course. This course includes an independent summer assignment; this should showcase the students best independent work to date as the grade earned from this assignment will accompany the students first quarter grade.

MA5416
AP CALCULUS AB
Year
1 Credit
Grades 11-12
Approved NCAA Core Course
Prerequisite:
At least a "B" average or better in Honors Adv. Algebra and Trigonometry and Teacher recommendation

This course is a full year of study in the calculus of functions of a single variable. It is a college-level course for which most colleges grant advanced placement credit. It provides a strong background for students who plan to pursue careers in math and the sciences. All students will be encouraged to take the Calculus AB, Advanced Placement Mathematics examination in May. Students will also have the option of earning 4 credits in calculus through the University of Pittsburgh College in High School Program.

MA5417
HONORS BUSINESS CALCULUS
Year
1 Credit
Grades 11-12
NCAA Core Course
Prerequisite:
An "A" average in Trig/Precalc or "A"/"B" in Honors Adv. Algebra/Trigonometry and Teacher rec

This course is an introduction to calculus for students in business, economics and other social sciences. This course is not intended for students majoring in math, science, or computers in college. Application of concepts is stressed throughout the course. Students will also have the option of earning 4 credits in Business Calculus through the University of Pittsburgh College in High School Program.

MA5418
AP CALCULUS BC (CIHS)
Year
1 Credit
Grade 12
Approved NCAA Core Course
Prerequisite:
B+ in AP Calculus AB

This AP Calculus BC course covers topics in single variable differential and integral calculus typically found in a first-year college Calculus I and Calculus II two semester course sequence. While taking the Advanced Placement (AP) Calculus AB exam is not required, this course prepares students to succeed on the AP Calculus BC exam and subsequent courses that draw on material from this course.

MA5419
AP STATISTICS**
(CIHS)
Year
1 Credit
Grades 11-12
Prerequisite:
Algebra II
Approved NCAA Core Course

This course is designed for college bound students. It teaches methods of descriptive and inferential statistics. Topics include data collection and description, hypothesis testing, correlation and regression, analysis of variance and contingency tables. Students will learn how to use the statistical computer package MINITAB. They will have the option of earning 4 credits in Statistics through the University of Pittsburgh College in High School Program.

MUSIC

The Gateway High School Music Program is designed to offer a variety of experiences to those students interested in the performing arts. The program includes music theory as well as choral and instrumental electives. The aesthetic dimension, as well as, the technical skills to create music, will be developed in the student. Many ensembles and solo opportunities are available to students who wish to dedicate themselves to performance.

When enrolling in an ensemble, students must realize that attendance is required at all concerts and performances. Some rehearsals may occur after the school day. With appropriate notice, students are expected to attend all rehearsals.

MU0820
SYMPHONIC BAND
Year
1 Credit
Elective 9-12

The Symphonic Band will study and perform a variety of music styles. Attention will be given to developing music reading skills and the continuing development of instrumental techniques. 19th and 20th Century original Band compositions will be studied, as well as transcriptions of orchestral works. Most music studied in the Symphonic Band will be selected from the PMEA Selective Music List – Grades 3 and 4. Music will also be selected from the "Teaching Music through Performance in Band" composition guides. All students enrolled in the Symphonic Band are required to perform in several concerts per school year. Except for the large school-owned equipment, students are expected to secure their own instruments.

MU0822
SYMPHONIC ORCHESTRA
Year
1 Credit
Elective 9-12
Prerequisite: Teacher recommendation

The Symphonic Orchestra will study and perform a variety of music and musical styles. Specific attention will be given to playing technique and music reading ability. Students in the orchestra are required to perform in several concerts per school year. 19th and 20th Century orchestra compositions and arrangements will be studied, as well as 20th and 21st century original compositions. Except for the large school-owned equipment, students are expected to secure their own instruments. Prior string instrument experience is required.

MU0823
COMPREHENSIVE MUSIC
Semester
.5 Credit
Elective 10-12

Comprehensive Music focuses on the basic elements of music theory. Included in the course are music analysis, sight singing, melodic dictation, triads, intervals, key signatures and scales. This course is a prerequisite for those students who wish to enroll in Advanced Placement Music Theory.

MU0825
MIXED CHORUS
Year
1 Credit
Elective 9-12

The Mixed Chorus is open to any student in grades 9 through 12. Fundamental vocal and music reading techniques are taught while performing three-part choral literature. Previous singing experience is NOT required. Those enrolled in Mixed Chorus are required to perform at three concerts throughout the school year.

MU0826
PERCUSSION ENSEMBLE
Year
1 Credit
Elective 9-12

The Percussion Ensemble is designed for Percussion students in Grades 9 – 12. All 9th grade Percussion students must take this class. Attention will be given to developing percussion skills in the students through an extensive examination of instrumental technique, performance skills on the various percussion instruments, and performance of Band literature and Percussion Ensemble repertoire. Students enrolled in this class will be required to participate in several concerts per school year. Students enrolled in this class will be required to secure their own sticks and mallets for the various percussion instruments.

MU5837
HONORS CHAMBER ORCHESTRA
Year
1 Credit
Elective 9-12
Prerequisite:
Audition

The Chamber Orchestra is for the advanced string players in our program. This ensemble will perform more advanced musical literature, featuring traditional classical repertoire and original compositions. The students of the Chamber Orchestra must demonstrate superior musicianship, instrument technique, and music reading ability. Students in the orchestra are required to perform in several concerts per school year. Except for the large school-owned equipment, students are expected to secure their own instruments. Prior string instrument experience is required and private instruction is recommended. An audition will be required for a student to be placed into the Chamber Orchestra.

MU5827
HONORS WIND ENSEMBLE
Year
1 Credit
Elective 9-12
Prerequisite:
Audition

The Wind Ensemble is designed for the advanced instrumental music student. This Ensemble will perform music of the highest caliber, including original Band compositions and orchestral transcriptions. The student in the Wind Ensemble must demonstrate superior musicianship and music reading abilities. Students selected for the Wind Ensemble are required to participate in several concerts per school year and will study literature of advanced grade level and maturity. Most music studied in the Wind Ensemble will be selected from the PMEA Selective Music List Grades 4-6. Music will also be selected from the "Teaching Music through Performance in Band" composition guides. Except for the large school-owned instruments, students are expected to secure their own instrument.

MU0830
SYMPHONIC CHOIR
Year
1 Credit
Elective 10-12
Prerequisite:
Audition

Symphonic Choir is designed for both the beginning and veteran sophomore, junior, and senior female students who wish either to resume or initially pursue a choral experience. Basic and intermediate vocal techniques (Levels I and II) are introduced and reviewed as well as rudimentary and intermediate music reading skills. Three-part choral literature from the Renaissance through the contemporary periods, both sacred and secular, will be rehearsed and performed. Those enrolled in Symphonic Choir are required to perform at several concerts throughout the school year.

MU0833
MUSIC TECHNOLOGY
Semester
.5 Credit
Elective 9-12

This course is designed for students who are interested in music production and technology. Students will work with hardware specifically designed to function in a music technology lab including Mac computers, keyboards, mixers, microphones, electronic and acoustic instruments. Students will learn the basics of recording and sequencing as well as learning about careers in music technology and production. Each student will develop a comprehensive portfolio of their work to take with them at the end of the semester.

MU0834
MUSIC TECHNOLOGY II
Semester
.5 Credit
Elective 9-12
Prerequisite:
Music Technology I

For students registered for Music Technology II, advanced techniques will be taught, expanding upon those from Music Tech I.

MU5831
HONORS GATEWAY CHORALE**
Year I
Credit
Elective 10-12
Prerequisite:
Audition

The Gateway Chorale is a 10th, 11th, 12th vocal ensemble designed for the advanced student who demonstrates an above-average grasp of intermediate vocal techniques and reading skills. Four- to eight-part choral literature, from Renaissance through the Contemporary period, both sacred and secular, will be performed. Intermediate and advanced vocal techniques are introduced and reviewed, as well as advanced music reading skills. Those enrolled in Chorale will be expected to perform in all school day and evening performances throughout the school year. The numbers of total performances throughout one school year can range from 5-20 total performances.

MU0840
MUSICAL THEATER PERFORMANCE I
Semester
.5 Credit
Elective 9-12
Prerequisite:
None

Learning Modules will include the three aspects of musical theater performance (singing, dancing, and acting), principles of stage direction, and audition repertoire and strategies. The performance module will involve peer teaching. Students who have particular strength in one of three areas of performance will assist others who do not have as much experience. The culminating project for this course will be a musical theater revue performed by the class at the end of the semester.

MU0841
MUSICAL THEATER PERFORMANCE II
Semester
.5 Credit
Elective 9-12
Prerequisite:
Musical Theater Performance I

Students will continue to develop performance skills learned in Musical Theater Performance I, with attention paid to combining skills in all three areas of performance (singing, dancing and acting). Students will participate in an end of the semester evening performance.

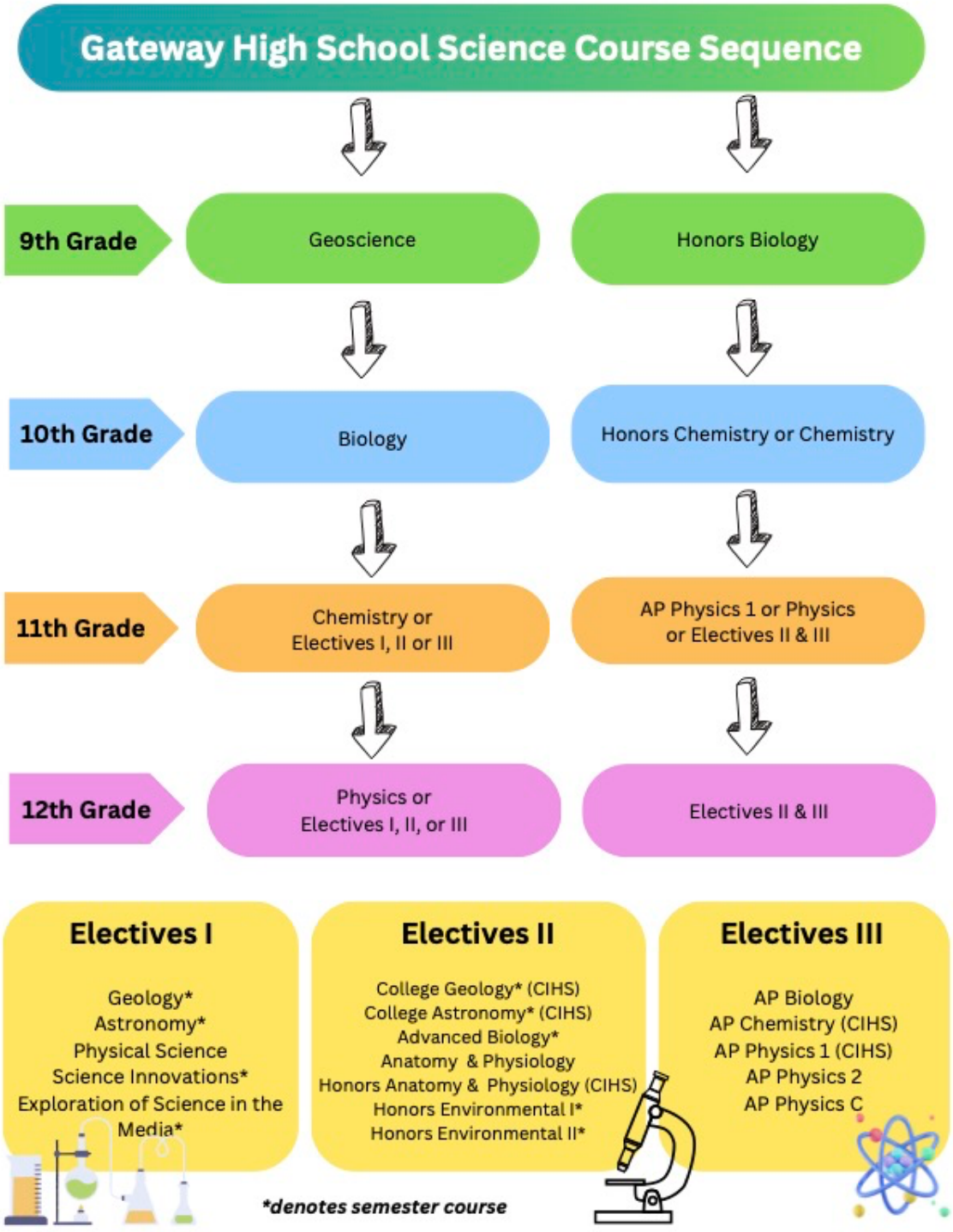
MU5832
AP MUSIC THEORY
Semester
.5 Credit
Elective 11-12
Prerequisite:
Adept at Music Theory, as well as completing Course 823 – Comprehensive Music

Advanced Placement Music Theory is comparable in content to a first-year college music theory course. The Advanced Placement Music Theory program is based on the premise that college level material can be successfully learned by most college-bound students. Time is devoted to the analysis of notated examples to the development of aural skills, sight singing and keyboard harmony, and the part writing and harmonization. The student who successfully completes this course is able to recognize and to describe music entities as performed or notated in musical score. A student who successfully completes the Advanced Placement examination in Music Theory may receive credit for a college-level music theory course or an equivalent course in humanities (depending upon the college or university).

SCIENCE

The Science Program provides the opportunity for students to acquire the knowledge and thinking skills needed to be prepared to live and make decisions in an increasingly technological society. Students will explore the world of science and technology through a variety of experiences.

These will include students performing hands-on/inquiry activities, developing the ability to use science process skills, and preparing to deal responsibly with societal issues. The exploration of science and technology will also include developing an awareness of the career opportunities available to students of varying aptitudes and interests.



SC0501
SCIENCE INNOVATIONS
Semester
.5 Credit
Elective 10-12

Science Innovations allows students to research, design, prototype and present innovative ideas that improve the human experience, health and performance as well as improving the natural world in which we live. Development of ideas is based on data collection and analysis as well as experimental design and testing. Ethical concerns may also be considered as students evaluate factors across all science disciplines - earth and space (space travel and space stations, the effect of CFCs on the atmosphere), mechanical (prostheses and assistive medical device design), chemical (effects of nuclear accidents in a community, impacts of pharmaceutical drug development), biological (growth hormones, cloning, genetic engineering), environmental (hydroponic plants, using genetically engineered organisms as biofuel). Any of these topics may be covered as well as additional topics that may be of interest.

SC0502/CE8306
PHYSICS (In-Person/Virtual)
Year 1 Credit
Elective 11-12
Prerequisite:
"B" average or better in Chemistry and must have completed Algebra II with strong emphasis on Algebra II and Geometry.
Teacher recommendation
Approved NCAA Core Course

This course is a thorough introductory treatment of the principles of classical and modern physics. Major topics of study include: motion and its causes, vectors, universal gravitation, conservation of energy and momentum, waves and energy transfer, and electricity. Students are expected to: (1) read and interpret technical material, (2) use logical reasoning in problem solving, (3) collect and analyze data related to physical phenomena using both graphical and mathematical methods and, (4) strive for excellence in the mastery and application of the principles of physics. This course is particularly recommended for students considering careers in medicine (e.g. – nursing and medical technology), computer science, electronics, engineering, and other fields allied with new technology. The class meets seven (7) periods per week.

SC0509
EXPLORATION OF SCIENCE IN MEDIA
Semester
.5 Credit
Elective 10-12
Approved NCAA Elective Course

This is a student-centered course allowing the student to dissect and analyze science with different types of media (books, magazines, newspapers, commercials, online sources, television, movies…). Students will get to pick the topics and media that best fit their interest and communicate their work in written, video or presentation form. We will show how the media has driven scientific discoveries, as well as how it has changed the way we obtain and preserve science information. Being able to determine what is good science and what is bad science is an important and challenging skill that everyone needs.

SC0511/CE8305
CHEMISTRY (IN PERSON/VIRTUAL)
Year
1 Credit
Elective 10-11
Prerequisite:
"B" average or better in Biology and Algebra I.
Teacher recommendation
Approved NCAA Core Course

This course will acquaint the student with the fundamental laws and theories of chemistry. Laboratory sessions will attempt to introduce and/or illustrate concepts discussed in class and to develop skills in the basic techniques of scientific investigation. The course is also designed to help students develop independent learning, critical thinking, and problem-solving skills. The class meets seven (7) periods a week.

SC0520/CE8304
BIOLOGY
(IN PERSON/VIRTUAL)
Year
1 Credit
Required 10
Approved NCAA Core Course

This course examines traditional biological topics such as the foundation of biology, cellular biology, nucleic acids and protein synthesis, genetics, biodiversity, basic anatomy, and ecology. Classroom work will include lecture/discussion, hands-on/inquiry laboratory investigations, use of computer-aided instruction, and a variety of audio-visual technologies. This class meets seven (7) periods a week. This course is mandatory for students to prepare for the graduation requirement/Pathway for the Keystone Biology Exam.

SC0531
GEOLOGY
Semester
.5 Credit
Elective 11-12
Approved NCAA Core Course

This course examines the constant changes that affect the surface of our planet, from volcanic eruptions and catastrophic earthquakes to the slow drift of continents and passage of ice ages. Earth processes have shaped the history of life and altered the development of human civilization. The students will be introduced to the techniques geologists use to study the earth and reconstruct its past. Activities will integrate the use of minerals, rocks, map interpretation, and fossil identification. Students will start with a global geologic view and then progress to a more detailed exploration of local geology. The class meets five (5) periods a week.

SC0532
ASTRONOMY
Semester
.5 Credit
Elective 11-12
Approved NCAA Core Course

This course will examine the interaction and interdependence of astronomy through its historical development. The tools and methods of the astronomers will be presented as the drama of the cosmos unfolds through time. Students will start with familiar celestial objects such as the sun, the moon, and the planets then explore more distant celestial objects such as stars, nebulae and galaxies. By completion of the course, students will have a better view of the universe as a whole with an excitement about the mysteries of the universe waiting to be solved in the future. The class meets five (5) periods a week.

SC0534
ANATOMY/
PHYSIOLOGY
Year
1 Credit
Elective 11-12
Prerequisite:
Biology/Chemistry
Teacher rec.
NCAA Core Course

This course uses a systems approach to learning human anatomy & physiology, incorporating the use of anatomical models, skeletons and dissection specimens to enhance 21st century skills. Topics covered include the skeleton and joints of the body, muscles and efficiency, the brain and special senses (vision and hearing), the heart and vessels. Students interested in pursuing a career in the health & medical sciences such as nursing, PA, PT, OT, sports medicine, veterinary science or medical research will benefit from taking the class. Students will exit the course with a strong foundation in medical terminology and gross anatomy plus introductory physiology and histology. The class meets five (5) periods per week.

SC0535
COLLEGE GEOLOGY
CIHS
Semester
.5 Credit
Elective 11-12
Prerequisite:
An "A" or "B" in Academic or Honors Biology. QPA 3.0
Approved NCAA Core Course

Topics considered include the make-up of the earth, internal and external processes that occur within or on the earth, rocks and minerals, fossils, earth's origin and evolution, and the origin and evolution of life on this planet. This class meets five (5) periods a week.

SC0540/CE8308
GEOSCIENCE
(IN PERSON/VIRTUAL)
Year
1 Credit
Elective 9
Approved NCAA Core Course

This course provides an introductory laboratory science experience and an interdisciplinary approach to the study of the earth system through an extensive overview of astronomy, geology, meteorology, and environmental science. The course begins with the study of cosmology and the formation of the universe and then proceeds to the study of the geosphere, hydrosphere, and atmosphere. A gradual emphasis is placed on the biosphere and continues to examine and test the environmental/ecological consequences and remedies of human interference with the natural world. A variety of inquiry and hands-on activities are used to reinforce subject material. This class meets five (5) periods a week.

SC0546/CE8303
PHYSICAL SCIENCE
(IN PERSON/VIRTUAL)
Year
1 Credit
Elective 11-12
Prerequisite:
Geoscience and Biology.
Teacher rec.
Approved NCAA Core Course

Course content is derived from selected topics needed for students that do not wish to take year-long chemistry and physics courses. This course will provide the student with a background of basic knowledge involved in the understanding of the chemical and physical sciences. Course topics will be enhanced by classroom activities to demonstrate various concepts and principles. The class meets five (5) periods a week.

SC0550
COLLEGE ASTRONOMY
CIHS
Spring Semester
.5 Credit
Elective 11-12
Prerequisite:
An "A" or "B" in Academic or Honors Biology and 3.0 QPA
Approved NCAA Core Course

College Astronomy will explore the origin, characteristics, and evolution of the solar system, the stars, galaxies, and the universe. The course will discuss historical milestones in the science of astronomy from ancient astronomers to the space probes of today. Consideration will be given to the future of astronomical research and current theories in astronomy. Utilization of the GHS Planetarium is an integral part of this course. The class meets five (5) periods a week.

SC5503
AP PHYSICS 1
CIHS
Year
1 Credit
Elective 10-12
Prerequisite:
"A" average in Algebra II.
Teacher recommendation
Approved NCAA Core Course

This course replaces what was formerly Honors Physics and is designed to be the equivalent of an algebra-based Physics 1 course offered to college freshmen. Topics covered include kinematics, dynamics, circular motion, momentum, harmonic motion, electrostatics, DC circuits, waves, and sound. Upon completion of the course work students may take the AP Physics 1 test for college credit. The class meets seven (7) periods a week and is aimed at students interested in majoring in Science, Medical, or Technology Fields.

SC5504
AP PHYSICS 2
Year
1 Credit
Elective 11-12
Prerequisite:
"A" average in Algebra II.
Teacher Rec.
Approved NCAA Core Course

This course is designed to be the equivalent of an algebra-based Physics 2 course offered to college freshmen. Topics covered include thermodynamics, fluids, electrostatics, DC and RC circuits, magnetism, optics, and modern physics. Upon completion of the course work students may take the AP Physics 2 test for college credit. The class meets seven (7) periods a week and is aimed at students interested in majoring in Science, Medical, or Technology Fields.

SC5505
AP PHYSICS C
Year
1 Credit
Elective 12
Prerequisite:
"A" average in Algebra II.
Concurrent enrollment in Calculus. Teacher Rec.
Approved NCAA Core Course

This course is designed to be the equivalent of a calculus-based Physics 1 course offered to college students. Topics covered include kinematics, dynamics, energy, momentum, circular motion, oscillations and gravitation. Upon completion of the course work students may take the AP Physics C: Mechanics test for college credit. The class meets five (5) periods a week and is aimed at students interested in majoring in Engineering, Computer Science, Chemistry, or Physics.

SC5510
HONORS CHEMISTRY
Year
1 Credit
Elective 10
Prerequisite:
B in Honors Science or A in Academic Science and Math. Teacher rec.
Approved NCAA Core Course

This course will provide the student with an opportunity to learn and apply chemical concepts, principles, theories and laws. Emphasis will also be placed on the development of problem solving and independent study skills. The laboratory program is designed to introduce, develop and/or illustrate the topics covered during the lectures and problem sessions. During the laboratory sessions the students will be expected to develop basic skills in handling apparatus and proper procedures for safely conducting scientific investigations. This course is intended for students who have a good background in mathematics, who are likely to study science at the college level, and who are willing to accept the challenges and responsibilities of an inquiry-oriented program. The class meets seven (7) periods a week.

SC5515
AP CHEMISTRY
CIHS
Year
1 Credit
Elective 11-12
Prerequisite:
B in Honors Science or A in Academic Science.
Teacher rec.
Approved NCAA Core Course

This course is designed to be the equivalent of a general chemistry course offered to college freshmen. The laboratory work includes both quantitative and qualitative experiments and utilizes modern instrumentation. Students earning an "A" or "B" in this course should be able to earn a score of 3 or higher on the AP Exam. The class meets eight (8) periods a week.

SC5518
AP BIOLOGY
Year
1 Credit
Elective 11 – 12
Prerequisite: A or B average in both Biology and Chemistry. Science Teacher rec.
Approved NCAA Core Course

AP Biology is designed for highly motivated students who are interested in life sciences. The course is intended to be an equivalent in rigor to a course usually taken by science majors during their first year of college. Classroom work consists of lectures and an extensive laboratory portion (both qualitative and quantitative components). Topics covered include chemistry of life, cells and cell energetics, heredity, molecular genetics, evolution, diversity of organisms, structure and function of both plants and animals and ecology. This course is applicable for any students who are considering health related occupations, medical professions, and a career in the sciences. The class will prepare students to take the AP Biology exam. This class meets seven (7) periods a week.

SC5519
HONORS BIOLOGY
Year
1 Credit
Required 9
Prerequisite: A in Science and B in Math.
Teacher recommendation
Approved NCAA Core Course

This course is designed for students wishing to accelerate their science program in order to permit the scheduling of advanced science courses in grades 11 and 12. This course will address the major themes of biology: cell structure and functions and an analysis of life functions such as cellular respiration, photosynthesis and cell reproduction; genetics and evolution (which includes the role of DNA and protein synthesis); ecology and biodiversity; and a generalized study of vertebrate and especially human anatomy and physiology. Authentic projects and organism dissection are included. This course is mandatory for students to prepare for the graduation required for the Keystone Biology exam. The class meets seven (7) periods a week.

SC5524
HONORS ANATOMY & PHYSIOLOGY
CIHS
Year
1 Credit
Elective 11-12
Prerequisite:
"A" or "B" average in Biology and Chemistry.
Teacher rec.
Approved NCAA Core Course

This accelerated course uses a systems approach to learning human anatomy & physiology, incorporating the use of anatomical models, skeletons and dissection specimens to enhance 21st century skills. The systems covered include the tissues of the body, skeletal with articulations, muscular, neural, special senses, and cardiovascular, culminating in an extensive dissection unit. Students interested in pursuing a career in the health & medical sciences such as medicine, dentistry, nursing, pharmacy, physician's assistant, physical therapy, sports medicine, veterinary science or medical research and biomedical engineering will benefit from taking the class. Students will exit the course with a very strong foundation in medical terminology and gross anatomy plus introductory physiology and histology. This class meets seven (7) periods a week.

SC0526
ADVANCED BIOLOGY
Semester
.5 Credit
Elective 10-12
Prerequisite:
C or better in Biology and Chemistry
Approved NCAA Core Course

This course is offered for those students who have a strong interest in the life sciences. Students will apply their fundamental understanding of cell transport, division and differentiation to real world situations. How toxins paralyze humans, why some drugs are addictive, how diabetes II and cancer develop and what is the impact of stem cell research are questions students will answer as they work through different case studies. The relationship between biomedical research and the improvement of personal and public health will be explored through the investigation of infectious diseases. The learning opportunities will build global awareness and 21st century skills. Students will develop and evaluate courses of action and support different points of view. This class meets five (5) periods a week.

SC5546
HONORS ENVIRONMENTAL SCIENCE I
Semester
.5 Credit
Elective 10-12
Prerequisite: B in Biology. Teacher recommendation.
Approved NCAA Core Course

This course is designed to develop and promote awareness, understanding and concern for the natural environment. The two major themes of the course are 1) How we use natural resources 2) How our actions affect the environment. The goal of the course is for students to gain a greater understanding about personal decisions they make that affect the environment. Major topics of discussion will include: 1) Population Dynamics 2) Issues with World Population 3) Water 4) Soil 5) Biodiversity. The class meets (5) periods a week.

(NOTE: You do not need to take Honors Environmental Science I in order to take Honors Environmental Science II. You may choose either or both. Be sure to read the description of each course since they cover different topics.)

SC5547
HONORS ENVIRONMENTAL SCIENCE II
Semester
.5 Credit
Elective 10-12
Prerequisite: B in Biology. Teacher recommendation.
Approved NCAA Core Course

This course is designed to promote and develop an awareness and concern for our environment and our future world. Major topics of discussion will include: fossil fuels, renewable energy, sustainability, and climate change. Each topic will incorporate a better understanding and appreciation of stewardship, sustainability, policy and politics, and globalization. The class meets five (5) periods a week.

(NOTE: You do not need to take Honors Environmental Science I in order to take Honors Environmental Science II. You may choose either or both. Be sure to read the description of each course since they cover different topics.)

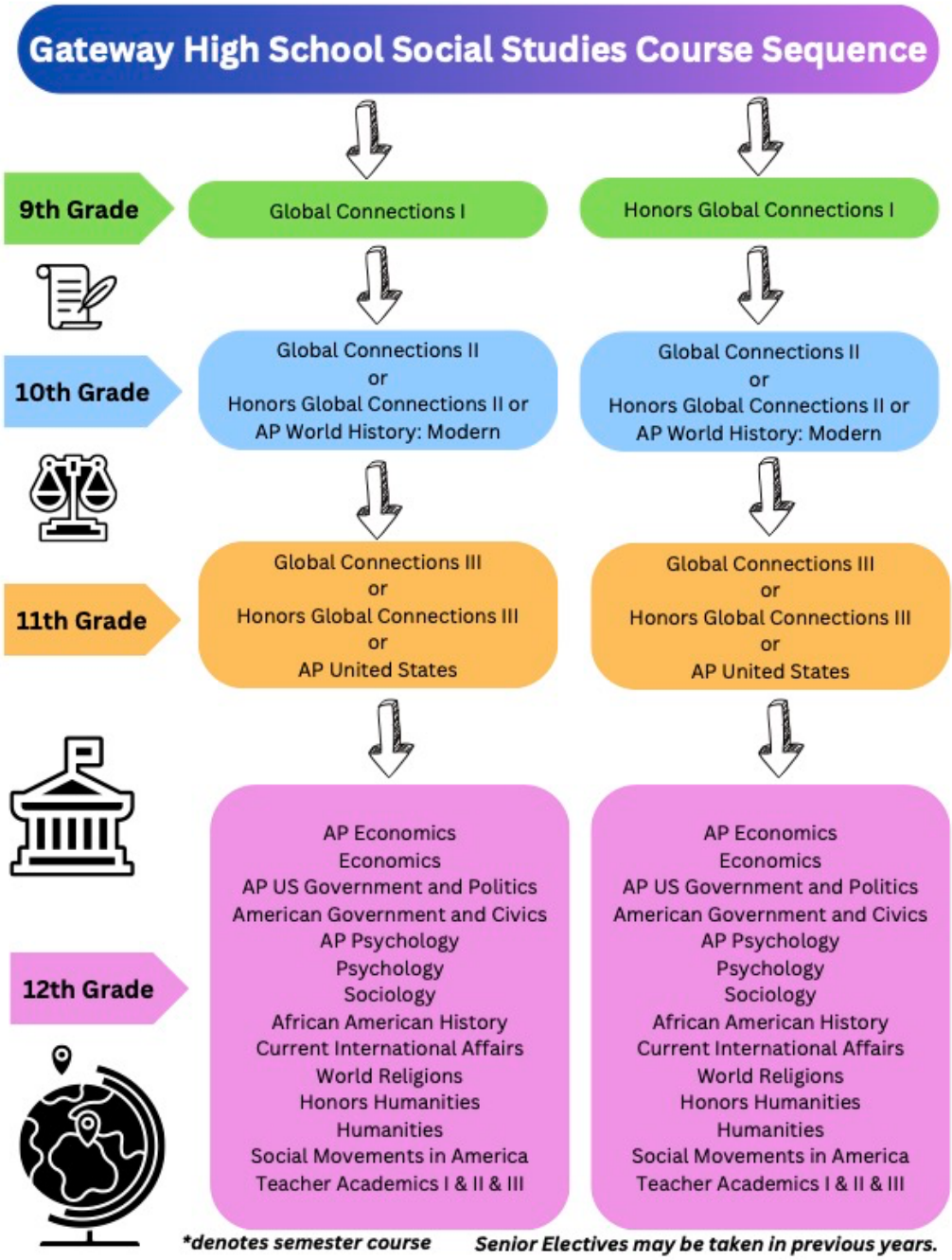
CE8307
ENVIRONMENTAL SCIENCE (VIRTUAL)
Year
1 credit
Elective (10-12)

This course is designed to develop and promote awareness, understanding and concern for the natural environment. The goal of the course is for students to gain a greater understanding about personal decisions they make that affect the environment. Major topics of discussion will include: 1) population dynamics 2) sustainability 3) water 4) soil 5) biodiversity 6) sustainability 7) renewable energy. Each topic will incorporate a better understanding and appreciation of stewardship, sustainability, policy and politics, and globalization.

SOCIAL STUDIES

The Social Studies Department of Gateway High School offers courses aimed at providing students with the knowledge and skills necessary to participate in a republic government as active, engaged and reflective citizens. The core courses in the curriculum are generally history based. However, civics, economics, and geography will be extensively incorporated into all of the curricula. Moreover, the department offers a variety of electives that allow students to explore other areas of the social sciences more extensively.

These would include more specific courses in government and economics as well as courses in psychology, sociology, and world religions. Several of these elective courses are offered on the Advanced Placement or honors levels for students who are capable and highly motivated. The department also encourages active citizenship by promoting community service and under some circumstances offering extra credit.



SS0702/CE8403 **GLOBAL CONNECT II** **(IN-PERSON/VIRTUAL)** **Year** **1 Credit** **Required 10** **Approved NCAA Core Course**	This course begins where the Global/Connection I concludes with the rise of the European Renaissance. It then follows a series of major thematic changes in the human experience. These included the beginning of European colonialism and its impact on the rest of the world; the major change from autocratic to democratic political thinking which began in Europe and spread to the Americas; the Industrial Revolution in Europe and its economic impact on the world; and, finally, the rise of democratic institutions in the western world and the resultant imperial period and how it affected the rest of the world. This is an academic course with a concentration on critical thinking skills.
SS0712/CE8404 **GLOBAL CONNECT III** **(IN PERSON/VIRTUAL)** **Year** **1 Credit** **Required 11** **Approved NCAA Core Course**	This course is designed to begin where Global Connection II concludes, with a twentieth century focus upon global events. A strong emphasis on the role of the United States in those events is a key component of the course. The major themes of this course are Industrialism, the two World Wars, the Cold War, end of Imperialism, Globalization, and other key political, economic, and social events of the twentieth century. This is an academic course with a concentration on critical thinking skills.
SS0720 **WORLD RELIGIONS** **Semester** **.5 Credit** **Elective 9-12** **Approved NCAA Core Course**	World Religion is a semester elective geared toward students with average to above average ability. The course is designed for those seriously interested in gaining an understanding and appreciation for the major religions in the world. It will focus on the impact religion has had, and continues to have in society. Areas of discussion will include the history, practices, rituals, traditions, literature, ceremonies, and holidays of the world's five major religions. Lecture, discussion, pictures, readings, and when possible, field trips and special speakers will be used to deliver the course content. Moreover, care will be given in the classroom and with selection of materials to deliver a balanced unbiased presentation of each religion. The course is designed to teach, not preach about religion.
SS0721/CE8513 **SOCIOLOGY** **(IN PERSON/VIRTUAL)** **Semester** **.5 Credit** **Elective 11-12** **Approved NCAA Core Course**	This course examines the basic nature of human relationships, customs, institutions, social structure, and culture. It emphasizes how they affect our beliefs and behavior, and how they express our fundamental concerns and values. The course teaches the basic concepts, methods and perspectives of sociology as a social science; and it uses them to consider such topics as family life, groups and organizations, sex and age roles, minorities and social classes, religious and political movements, and social problems.
SS0722/CE8407 **ECONOMICS** **(IN PERSON/VIRTUAL)** **Semester** **.5 Credit** **Required 11-12** **Approved NCAA Core Course**	Economics, a junior/senior elective, is the study of how society manages limited resources to satisfy unlimited wants. This course examines the choices that must be made and explores how these decisions impact society. Many of the fundamentals covered in college level economic courses: scarcity, opportunity cost, supply and demand, equilibrium levels of output, employment, income, money and monetary policy will be considered in this class. They will be covered in a manner designed to make the theories easy to understand and apply to real-life situations.

SS0723/CE8405 AMERICAN GOVERNMENT & CIVICS (IN PERSON/VIRTUAL) Semester .5 Credit Required 11-12 Approved NCAA Core Course	This course is an overall study of the origins, development, structure and functions of American government at the federal, state, and local level. Students focus on developing citizenship through studying the fundamental institutions of our political and governmental system. More specifically, through this course, students will understand the foundations and beginnings of American government; engage in a comprehensive look at the United States Constitution; and appreciate how federal, state, and local governments operate both independently and cooperatively. Students will also learn how a bill becomes a law, the history of voting and what influences voting, and what liberties Americans enjoy by engaging in relevant current events and delving analytically into primary and secondary sources.
SS0724 HUMANITIES Semester .5 Credit Elective 12 Approved NCAA Core Course	Humanities is a senior level elective. It is designed to acquaint students with the dynamic nature of modern American Culture. Using a definition and description of culture as a starting point, the course will focus on aspects of American life during the period of 1950 to 2000. In particular, emphasis will be given to the manifestation of cultural trends in the Humanities. Attention will specifically be given to those things that made American Society distinctive during the period. For example, the course will look at how values are reflected in norms; language, roles, fads, fashions, etc. are reflected in popular mediums like films and television.
SS0725/CE8512 PSYCHOLOGY (IN PERSON/VIRTUAL) Semester .5 Credit Elective 11 – 12 Approved NCAA Core Course	This course is designed to be an introduction and survey of psychology that focuses on the behavior, thoughts and emotions of individuals against a theoretical and personal background. The course work and activities will create a bridge between the classroom and the student's everyday lives. While at the same time promoting a critical awareness of and an inquiry into significant theories and issues in psychology. In essence each student will become an amateur psychologist by elaborating and applying psychological concepts and principles within the context of their own lives.
SS0727 AFRICAN AMERICAN HISTORY Semester .5 Credit Elective 9-12 Approved NCAA Core Course	This semester's course is designed for students who wish to make a more specialized study of American people of African descent. It is a HISTORY course that surveys black American history, and because Africa is the ancestral birthplace, thousands of years of African history are also surveyed. Students are required to give an oral presentation about a current African American issue of their choosing.
SS0728 CURRENT INTERNATIONAL AFFAIRS Semester .5 Credit Elective 11-12	This course will focus on promoting an awareness and understanding of the major issues currently facing the world, with a particular emphasis on global emergencies. Every attempt will be made to keep the topics of discussion as current as that day's national news reports. Students will have an opportunity to update their understanding of these issues offering their views on them. This will be done in writing and in frequent class discussion. The format for this class will be informality, controversy, awareness, and creativity. Students genuinely interested should certainly consider this course.

SS0729
SOCIAL MOVEMENTS IN AMERICA: RESISTANCE, FREEDOM, POWER AND LEADERSHIP
Semester
.5 Credit
Elective 11-12
Approved NCAA Core Course

This course examines the origins, tactics, goals and results of historically important social movements in the United States. These include the Abolitionist, Civil Rights, Women's Rights, Labor, Anti-War and Modern Conservative movements to name just a few. Throughout history, people have organized social movements to try to improve their lives. Social movements serve to increase social, economic and political rights for people, promote a higher standard of living and a guarantee of more equal access for more Americans. In this course, we will use historical examples to define social movements, explain why they occurred, who joined and led them, how they were organized, what they did and what they accomplished.

SS0730/CE8534
GHS TEACHER ACADEMY I (IN PERSON/VIRTUAL)
Semester
.5 Credit
Elective 9-12

In this course, students will explore the profession of teaching. They will learn effective instructional strategies, build their content knowledge, create lesson plans, and practice teaching in simulated and real settings. Additionally, students will be taught about the importance of reflecting on their teaching practices. The course will include partnerships with local teacher training programs, building bridges from you, the student, to these professional educational opportunities. Students enrolled in this class could also choose from a constellation of courses already offered at Gateway High School, which will round out their teacher preparation experience, and offer them the opportunity to gain head start on their training.

SS0731
GHS TEACHER ACADEMY II
Semester
.5 Credit
Elective 10-12

This course is intended for students who have successfully completed the GHS Teacher Academy Seminar I.
Qualified, well-prepared teachers are in high demand everywhere in the United States. Choosing a career in teaching offers you the opportunity to have an enduring impact on our world. In this course, you will be able to delve more deeply into the strategies and methods of teaching. In a supervised setting, you will practice planning and delivering instruction and assessment that addresses the diverse needs of learners. As part of the course, you will participate in a supervised practicum in which you will observe professional classroom teachers in real-world settings and practice the skills you have acquired with small groups of students. Through this experience, you will develop a better sense of the rewards and challenges of teaching and refine the grade level and content area that interests you.

SS0732
GHS TEACHER ACADEMY III
Semester
.5 Credit
Elective 10-12

This course is intended for students who have successfully completed the GHS Teacher Academy Seminar II.

A Teacher Academy Internship course is a crucial component of our Teacher Academy courses. It will provide aspiring educators with real-world application of theoretical knowledge, offering hands-on experiences that will bridge the gap between coursework and practical teaching. Through reflective practice and exposure to diverse student populations, interns will develop essential skills, including classroom management and cultural competence. Collaborating with experienced mentor teachers, interns will receive constructive feedback and establish professional networks, which can be instrumental in securing future employment. Fundamentally, the Teacher Academy Internship course will be essential for enhancing the readiness and effectiveness of future educators and promoting high-quality teaching.

SS0792/CE8401
GLOBAL CONNECT I (IN PERSON/VIRTUAL)
Year
1 Credit
Required 9
Approved NCAA Core Course

This planned course of study is designed to provide students the opportunity to explore the human experience through world history. Beginning with the emergence of monotheism through the period of World Exploration, students will develop an awareness of global connections through the study of geography, the tracing of the influence of economic systems, and the assessing of the development of political, social and religious systems, including the stratification of society throughout different cultures. Students will examine the evolution of individual rights and the importance of the individual, recognize the expression of values and lifestyles through art and literature, and research different cultures through a variety of social studies projects. They will also be encouraged to develop oral and written communication skills.

SS5701
HONORS GLOBAL CONNECT II
Year
1 Credit
Required 10
Approved NCAA Core Course

This course begins where the Global/Connection I concludes with the rise of the European Renaissance. It then follows a series of major thematic changes in the human experience. These include the beginning of European colonialism and its impact on the rest of the world; the major change from autocratic to democratic political thinking which began in Europe and spread to the Americas; the Industrial Revolution in Europe and its economic impact on the world, and, finally, the rise of democratic institutions in the western world and the resultant imperial period and how it affected the rest of the world. There is a concentration on independent learning, enrichment, and higher-level thinking skills.

SS5734
AP WORLD HISTORY: MODERN
Year
1 Credit
Required 10/Elective 11-12
Approved NCAA Core Course

This course is designed for academically talented and highly motivated students interested in earning college credits while still in high school. The major course objective is to prepare students for the Advanced Placement World History: Modern examination. Preparation for the exam involves an extensive and in-depth study of World History in the Modern era from 1200 - the present. The course will focus on social, political, economic, and cultural movements throughout the time frame and from civilizations around the globe. The course emphasizes critical thinking and analytical writing skills. Therefore, students are required to read a variety of sources and write extensively. Although the course is demanding, students are frequently rewarded with advanced placement college credits, improved writing and thinking skills, and a solid understanding of World History in the Modern Age.

SS5710
AP U.S. HISTORY
Year
1 Credit
Required 11/Elective 12
Approved NCAA Core Course

This course is designed for academically talented and highly motivated students interested in earning college credits while still in high school. The major course objective is to prepare students for the Advanced Placement United States History examination. Preparation for the test involves an extensive and in-depth study of American social, political, economic, and cultural history. This investigation begins with exploration and concludes with the modern era. The course emphasizes critical thinking and analytical writing skills. Therefore, students are required to read a variety of sources and write extensively. Although the course is demanding, students are frequently rewarded with advanced placement college credits, improved writing and thinking skills and a solid understanding of United States history.

SS5711
HONORS GLOBAL CONNECT III
Year
1 Credit
Required 11
Approved NCAA Core Course

This course is designed for highly motivated students. Taught using a variety of materials, it will focus on the twentieth century global events with a strong emphasis on the role of the United States. Imperialism, world war, international economic connections, and a world encompassing ideological forces like nationalism and socialism, present the picture of nations being increasingly interconnected. There is concentration on independent learning, enrichment, and higher-level thinking skills.

SS5729
AP ECONOMICS
Year
1 Credit
Elective/Required 11-12
Approved NCAA Core Course

This course is designed for academically talented and highly motivated students interested in earning college credits while in high school. The major course objective is to prepare students for the Advanced Placement Microeconomics and Macroeconomics examinations. Preparation for these tests will involve a discussion of basic economic principles such as scarcity, choice, opportunity cost, supply, demand, and the circular flow of economic activity. In the area of microeconomics, the course will focus on principles of economics that relate to the behavior of individual decision makers in the economy. More specifically, the nature and functions of product markets, the operation of factor markets and the role of government will be discussed. In macroeconomics, the emphasis will be on giving students an understanding of economic principles that relate to the economic system as a whole. Topics such as measuring economic performance, national income and price determination, economic growth and international economics will be covered. The course content will be presented in a manner consistent with college level instruction and all the materials used will be advanced. Therefore, this course will require students to utilize higher order thinking skills such as analysis and evaluation.

SS5730
AP UNITED STATES GOVERNMENT & POLITICS
Semester
.5 Credit
Elective/Required 11-12
Approved NCAA Core Course

The Advanced Placement United States Government and Politics course is designed to give academically talented and highly motivated students a critical perspective on politics and government. This course will involve both the study of general concepts used to interpret United States politics and the analysis of specific case studies. Participants will acquire in-depth knowledge of the various institutions, groups, beliefs, and ideals that make up American political reality. Topics to be covered include the Constitutional Underpinnings of the American Government, Political Beliefs and Behaviors, Political Parties, Interest Groups and the Mass Media, Institutions of the National Government, Public Policy and Civil Liberties. At the conclusion of the course, students will have the opportunity to take the Advanced Placement examination and possibly earn advanced placement college credits.

SS5731
HONORS HUMANITIES
Semester
.5 Credit
Elective 11 – 12
Approved NCAA Core Course

This course is designed for motivated and highly capable students interested in exploring the impact of the arts on culture and culture on the arts. It will explore the role played by the humanities in the history of Western Civilization. Beginning with the Italian Renaissance and concluding with the World War II era, students will be introduced to the various interpretations of human experience and culture through painting, music, literature, religion, and philosophy.

SS5733
AP PSYCHOLOGY
Semester
.5 Credit
Elective 11 – 12
Approved NCAA Core Course

This introductory course is designed to mirror an entry level college course. It will expose highly motivated, hardworking students to many of the fields of interest within Psychology. Topics covered will include Personality Development, Altered States of Consciousness (sleep, dreams, and hypnosis), Learning, Memory, and Abnormal Behavior. Students will also study the Biological Basis of Behavior, Motivation, Sensation, Perception, Health Psychology and Social Psychology. The methods, including statistics, for completing psychological research will also be introduced in AP Psychology. AP Psychology prepares students for the AP Exam. Successful completion of the exam will earn the candidate college credit for the course in addition to receiving high school credit.

SS5791
HONORS GLOBAL CONNECT I
Year
1 Credit
Required 9
Approved NCAA Core Course

This course of study provides students with the opportunity to explore the human experience. Beginning with the emergence of monotheism through the period of world exploration, students will develop an awareness of global connections. This course is for honors level students who are self-motivated and have excellent reading, writing, and oral communication skills. Students will develop their critical thinking skills through interpreting primary and secondary sources and writing about their conclusions. Oral communications skills will be emphasized and expanded through discussion, cooperative learning, and oral presentation. Students will become aware of global connections through the study of geography, the tracing of the influence of economic systems, and the assessing of the development of political, social and religious systems, including the stratification of society throughout different cultures.

CE8402
MODERN WORLD HISTORY (VIRTUAL)
Year
1 credit
Elective 10-12

This yearlong course examines the major events and turning points of world history from the Enlightenment to the present. Students investigate the foundational ideas that shaped the modern world in the Middle East, Africa, Europe, Asia, and the Americas, and then explore the economic, political, and social revolutions that have transformed human history. This rigorous study of modern history examines recurring themes, such as social history, democratic government, and the relationship between history and the arts, allowing students to draw connections between the past and the present, across cultures, and among multiple perspectives. Students use a variety of primary and secondary sources, including legal documents, essays, historical writings, and political cartoons to evaluate the reliability of historical evidence and to draw conclusions about historical events. Students also sharpen their writing skills in shorter tasks and assignments, and practice outlining and drafting skills by writing full informative and argumentative essays.

TECHNOLOGY & ENGINEERING EDUCATION

Tremendous changes in human lives occur daily because of the continuing advancements in technology. Technology extends human capabilities in physical, social, and intellectual ways. The positive and negative impacts from these changes have social, ecological, political, educational, and economic implications. In response to these impacts of technology on human life, educators are more aware of the need for students to study technology. STEM (Science, Technology, Engineering, and Mathematics) is an important component in the hands-on problem-solving courses within the Technology & Engineering Education Department.

Young people continue to face a world that changes constantly. Due to the very nature of technology, advancement is the driving force in a technological society. To keep-up with the great strides being made in technology, students must be equipped with the ability to use, manage, and understand technology. Technological literacy is a concept used to characterize the extent to which an individual understands and is capable of using technology. We as educators must continue to create an environment that fosters these skills and allows the students to achieve the highest levels of technological literacy.

TE0939
ROBOTICS & ENGINEERING TECHNOLOGY
Semester
.5 Credit
Elective 9-12

Robotics & Engineering Technology is a semester-long course offered to all students in grades 9-12. STEM (Science, Technology, Engineering, & Mathematics) is an essential component to this hands-on based course. The course utilizes the VEX Robot Platform and operates with Robot-C Programming Language. Students learn how to read and interpret SQUAREBOT Building Instructions to assemble their VEX Robots. Coding for a variety of challenges using time and shaft encoding sensors are incorporated in the autonomous movement section of the class. Also, students learn how to program a dual joystick to control the robots movements in a series of remote-control challenges. Overall, students will learn the fundamental engineering concepts related to robot design, component types, and programming skills for the 21st century.

TE0940
COMPUTER AIDED DRAFTING
Semester
.5 Credit
Elective 9-12

Students will learn to use AutoCAD, Inventor and other Computer Aided Design software programs. The students will apply their software knowledge to various drawing and design situations and problems. Students will learn to read and draw several types of technical drawings using AutoCAD Program. This information will then be applied in the design process as students work individually and in groups on a number of design activities and problems. Students will use STEM (Science, Technology, Engineering, and Math) concepts to complete the various activities in this class.

TE0941
ARCHITECTURAL DESIGN
Year
1 Credit
Elective 9-12

In this course, students will learn Revit Architecture and the other Computer Aided Design software programs. The students will apply their software knowledge to various architectural drawing and design situations and problems. Students will study the architectural design process from start to finish and apply this process to real world design problems. This will include the study of structural design, materials, energy efficient systems, home security, landscaping, ergonomics, and the open planning method. An emphasis will be placed on utilizing the student's design skills, creativity, and imagination. The students will use their computer skills along with architectural design, STEM (Science, Technology, Engineering, and Math) concepts to complete the various activities in this class.

TE0942
STRUCTURAL ENGINEERING
Year
1 Credit
Elective 9-12

Structural Engineering students will integrate STEM (Science, Technology, Engineering, & Mathematics) concepts as they learn and apply basic structural design elements to solve a variety of typical engineering challenges. During their experience, students will design, test, & analyze structures made from a variety of materials. All of the structures will be tested to determine overall strength and to calculate their efficiency rating. Students will also design SeaPerch ROVs, Mousetrap-Powered Vehicles, Airfoils, and Bridges. Each of the structures will be tested to determine the overall performance based on a set of given criteria. Supplemental research will be conducted to enhance the experience. Finally, students will be required to complete technical briefs for each activity.

TE0943
MANUFACTURING TECHNOLOGY I
Year
1 Credit
Elective 9-12

Students will learn the basic terminology and techniques necessary to safely setup and operate equipment to complete a variety of projects. Also, they will learn to choose the appropriate tools for each task and apply an organized order of operations to complete their manufacturing projects. Students will utilize the design process while adding their own creativity to complete projects made from wood. **STEM** (Science, Technology, Engineering, and Mathematics) concepts will be incorporated into the learning experience through hands-on project design & development. The lab is also equipped with two CNC Routers that will be used to personalize student project designs helping to instill a sense of pride and accomplishment

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TE0944
ADVANCED MANUFACTURING TECHNOLOGY +
Year 1 Credit
Elective 10-12
Prerequisite:
Manu Tech with an "A" or "B" overall grade.
Instructor needs to initial the course selection sheet.

The Advanced Manufacturing Technology students will learn and apply real-world applications in the manufacturing field addressing each student's individual skill level. STEM (Science, Technology, Engineering, and Mathematics) approach is used throughout the course as students enhance their problem-solving abilities and apply those skills to complete a variety of student-developed projects. Students will be thoroughly trained on the CNC (Computer Numeric Control) Router, CAD/CAM, and 3D Modeling Software as they complete advanced projects.

TE0945 DESIGN, ANIMATION & PROGRAMMING
Semester
.5 Credit
Elective 9-12

Design Animation & Programming will empower students to know how multimedia animations, web pages and video games are designed and created. Students will also develop design/creation skills. This course will incorporate STEM (Science, Technology, Engineering, & Mathematics) into areas such as: graphics design, animation & coordinate systems. This course will effectively expand upon students' technological literacy by exploring the underlying technologies that are used to create the interactive systems they use every day.

TE0946
MULTIMEDIA AND VIDEO TECHNOLOGY
Semester
.5 Credit
Elective 9-12

Multimedia/Video Technology will provide students with the opportunity to experience digital video production. STEM (Science, Technology, Engineering, & Mathematics) is incorporated in the following learning experiences: camera setup and operation, tripods, sound reproduction, recording and editing, the production cycle, chroma keying (green screen), and a variety of titling and graphic techniques. Students will learn the essentials of camera set-up, video planning/development, recording and editing.

TE0947
ADVANCED VIDEO & SPECIAL EFFECTS
Year
1 Credit
Elective 10-12
Prerequisite: Multimedia with an "A" or "B" overall grade

Advanced Video & Special Effects will build upon experiences learned in Multimedia/Video Technology. STEM (Science, Technology, Engineering, & Mathematics) is incorporated in the following learning experiences: chroma keying (green screen) effects, particle simulations with scripting/computer programming, lighting, color correction, advanced titling, graphics integrated with a live video production, and technological problem-solving including redesign. Students will learn to design and make their own effects for student videos.

TE0948
3D MODELING AND ANIMATION
Year
1 Credit
Elective 9-12

3D Modeling and Animation provides students with the opportunity to experience visualizing, planning, and creating 3D models using STEM (Science, Technology, Engineering, & Mathematics). 3D modeling and animation is used every day by a variety of industries, including: forensic crime scene recreation; medical simulations; scientific analysis; movie creation; special effects; video games; network graphics and titles; and industrial design and simulation. 3D modeling software allows students to develop a better understanding of subjects such as physics and mathematics while they complete their projects. Students will model various products, geometric shapes, and characters using a 3D Printer.

TE0950
TRANSPORTATION SYSTEMS
Semester
.5 Credit
Elective 9-12

Transportation Systems is a semester-long class that explores land & air transportation systems. STEM (Science, Technology, Engineering, and Mathematics) approach is used to understand the basic concepts involved in designing aerodynamic transportation systems. Students will design, construct, test, and analyze the performance of CO_2 Cars & Model Airplanes that simulate transportation systems in the real world. Flight Simulators and Car Builders Software are used to enhance the learning experiences.

TE0951
INTRO TO ESPORTS
Semester
.5 Credit
Elective 9-12

Intro to Esports will begin with a history of Esports. This course will provide students with a detailed understanding of the evolution of the Esports industry. Students will explore colleges/universities that offer Esports as a major. Students will explore career opportunities within the industry. There will be a greater and in depth understanding of all the other aspects that encompass Esports.

TE5949
HONORS CAD
Year
1 Credit
Elective 10-12
Prerequisite:
Students should take any other Technology Education Course prior

The Honors CAD students will learn advanced applications in AutoCAD, Inventor, and other Computer Aided Design software programs. Students will apply their software knowledge to various drawing and design situations. Students will learn to read and draw several types of technical drawings. This information will then be applied in the design process as students work individually and in groups on a number of design activities. Students will play the role of professional designers, planners, engineers, and draftsmen who create design solutions for client's problems. Students will use **STEM** (Science, Technology, Engineering, and Mathematics) concepts to complete the various activities in this class.

TE5950
HONORS ROBOTICS & ENGINEERING
Year
1 Credit
Elective 10-12
Prerequisite:
Students must complete Robotics & Engineering Technology

Honors Robotics & Engineering is a year-long course offered to students in grades 10-12 who have completed Robotics & Engineering Technology with an "A" or "B". This engineering-based course incorporates the VEX Robotic platform and RobotC Programming Software. Some topics include: mechanics, electronic sensing, and programming. Students will use AutoDesk Inventor Software to design several different robots to meet various physical challenges that face robots in our modern world. Students will actively engage in these real-life design problems & challenges that help them to develop STEM skill-sets in challenging and exciting contexts. Students will see the dynamic connections between Science, Technology, Engineering, and Mathematics which will better prepare them for college and careers in engineering, design, and robotics.

CE8529
ENGINEERING AND DESIGN (VIRTUAL)
Semester
.5 Credit
Elective 9-12

This semester-long course focuses on building real-world problem-solving and critical thinking skills as students learn how to innovate and design new products and improve existing products. Students are introduced to the engineering design process to build new products and to the reverse engineering process, which enables engineers to adjust any existing product. Students identify how engineering and design have a direct impact on the sustainability of our environment and the greening of our economy. Finally, students incorporate the engineering design process, environmental life cycle, and green engineering principles to create a decision matrix to learn how to solve environmental issues.

CE8530
INTRODUCTION TO CAREERS IN ARCHITECTURE AND CONSTRUCTION (VIRTUAL)
Semester
.5 Credit
Elective 9-12

The goal of this semester-long high school course is to provide students with an overview of careers in architecture and construction in order to assist with informed career This dynamic, rapidly evolving career cluster is comprised of three pathways (fields): Design and Pre-Construction (Architecture and Engineering); Construction (Construction and Extraction); and Maintenance and Operations (Installation, Maintenance, and Repair). The Architecture and Construction career cluster is defined as careers in building, designing, managing, maintaining, and planning the built environment.

CE8531
INTRODUCTION TO STEM
(VIRTUAL)
Semester
.5 Credit
Elective 9-12

This semester-long course introduces students to the four areas of Science, Technology, Engineering, and Mathematics through an interdisciplinary approach that will increase awareness, build knowledge, develop problem solving skills, and potentially awaken an interest in pursuing a career in STEM. Students are introduced to the history, fundamental principles, applications, processes, and concepts of STEM. Students are exposed to several computer applications used to analyze and present technical or scientific information. Finally, students explore the kinds of strategies frequently used to solve problems in these disciplines. Throughout the course, students discover their strengths through practical applications and awareness of the various STEM careers.

CE8532
STEM AND PROBLEM SOLVING
(VIRTUAL)
Semester
.5 Credit
Elective 9-12

Science, technology, engineering, and mathematics (STEM) are active components in the real world. STEM and Problem Solving is a semester-long high school course that outlines how to apply the concepts and principles of scientific inquiry, encouraging the use of problem-solving and critical-thinking skills to produce viable solutions to problems. Students learn the scientific method, how to use analytical tools and techniques, how to construct tests and evaluate data, and how to review and understand statistical information. This course is designed to help students understand what we mean by problem solving and to help understand and develop skills and techniques to create solutions to problems. Advanced problem-solving skills are necessary in all science, technology, engineering, and mathematics disciplines and career paths. This problem-solving course stresses analytic skills to properly format problem statements, use of the scientific method to investigate problems, the use of quantitative and qualitative approaches to construct tests, and an introduction to reviewing and interpreting statistical information.

WORLD LANGUAGES

The World Language Department of Gateway High School provides all interested students opportunities to enroll in World Language classes and develop proficiency in the four basic skill areas: listening, speaking, reading, and writing. Students are consistently encouraged to apply what they have learned through creative expression in native languages. Courses marked (A or Pre-AP) analysis, are generally designed to permit rapid progression of study in the language, terminating with coverage of literature.

Practical application of language skills and proficiency is stressed in all courses. Either sequence (Analysis/Pre-AP or Skills), may provide background for a college, which has a World Language requirement. The analysis/Pre-AP sequence is preferred wherein college study of a language is anticipated.

FRENCH

WL0310/CE8604
FRENCH 1
(IN-PERSON/VIRTUAL)
Year
1 Credit
Elective 9-12
NCAA Core Course

The French 1 course introduces the student to the phonetics and basic structures of the French language. Equal emphasis is placed on listening, speaking, reading and writing to acclimate the student to function in all aspects of language learning. Popular conversational topics are addressed, and the language is practiced with related cultural and geographical awareness. The current French textbook series prepares the student to be a traveler in French-speaking countries.

WL0311/CE8605
FRENCH 2
(IN-PERSON/VIRTUAL)
Year
1 Credit
Elective 9-12
NCAA Core Course
Prerequisite:
An A or high B average in French 1 is strongly recommended for this course.

The French 2 course is a continuation of the basic structures of French and the four basic skills with a moderate rise in difficulty. Conversation is stressed and the topics remain youthful, cultural and targeted toward traveling and surviving in a French–speaking environment. The past tense is added to their awareness of the francophone world.

WL0313/CE8606
FRENCH 3
(In-Person/Virtual)
Year 1 Credit
Elective 10-12
NCAA Core Course
Prerequisite:
An A or high B average in French 2 is strongly recommended for this course.

The French 3 course is an enriched and expanded second year language experience. Each topic studied from the text includes additional vocabulary with supplemental instruction intensifying each theme. The pace is considerable, and activities and evaluations, while still basic in nature, include more creating with the language. Performance and interactive communication is stressed. Themes are practical, youthful and useful to the soon-to-be traveler. The awareness of French-speaking Canada is added to their awareness of the francophone world. In addition, all level 3 students will complete an oral proficiency assessment to demonstrate speaking ability.

WL5316
HONORS FRENCH 4
Year
1 Credit
Elective 11-12
Approved NCAA Core Course
Prerequisite:
An A or high B average in French 3 is strongly recommended for this course.

This course will serve as the prerequisite to the Honors French 5. The student will continue to learn modern, practical and conversationally targeted speech with an emphasis on greater depth of meaning, more abstract themes, circumlocution and a flow of one tense to another. Performance-based evaluation is increased and accuracy is emphasized. This course includes the subjunctive mood both present and past. The student will learn the literary tense, the passé simple, and begin his first experience with French literature. Historical themes will increase and French-speaking countries will be added to the geographical awareness.

WL5318
HONORS FRENCH 5
Year 1 Credit Elective 12
Approved NCAA Core Course

Integral to the course is a study of detailed grammatical concepts, advanced vocabulary acquisition, effective composition writing and weekly oral proficiency preparation. The student receives instruction and responds only in the target language. Students will study a variety of topics in interesting, meaningful and engaging themes such as Global Challenges, Science and Technology, Contemporary Life, Personal and Public Identities, Families and Communities, Beauty and Aesthetics. Successful completion of Honors French 4 is highly recommended.

GERMAN

CE8607
GERMAN 1 (VIRTUAL ONLY)
Year
1 Credit
Elective 9-12
Approved NCAA Core Course

This course introduces students to the basics of conversational German. The course offers a variety of materials to acquaint students with many facets of contemporary German life and culture of Germany, Switzerland and Austria. Students learn basic communicative functions and vocabulary that will enable them to talk about their families, hobbies, social activities, travel, as well as a variety of topical situations.

CE8608
GERMAN 2 (VIRTUAL ONLY)
Year
1 Credit
Elective 9-12
Approved NCAA Core Course

This course is the continuing course of the one listed above. It enables students to continue developing German language fluency and speaking patterns as well as improve in the areas of listening comprehension, reading and writing. Students will have opportunities to participate in small conversation groups on given topics in a cooperative learning setting. They will also be exposed to a variety of German cultural activities. This course teaches students how to use German by constructing actual German situations in which they will be able to function. Students will also be exposed to a wide variety of German lifestyles.

LATIN

WL0331/CE8609
LATIN 1
(IN-PERSON/VIRTUAL)
Year
1 Credit
Elective 9-12
Approved NCAA Core Course

This course stresses the development of reading Latin literature by presenting a historically accurate, continuous storyline with grammatical development and cultural information about the Romans woven throughout the text. There is a strong emphasis on vocabulary chosen for its frequency in English derivatives and in Latin literature. The influence of Latin on English and the Romance languages is regularly stressed. Although the primary goal is to read Latin literature, the skills of listening, writing, and speaking will be developed to enhance the acquisition of the skill of reading Latin with direct comprehension. Students are expected to prepare daily homework assignments, memorize vocabulary and Latin forms, and keep a Latin notebook.

WL0332/CE8610
LATIN 2
(IN-PERSON/VIRTUAL)
Year
1 Credit
Elective 9-12
Approved NCAA Core Course

This course continues to improve reading comprehension and proficiency by use of more advanced vocabulary and grammar. Supplemental readings in mythology and history are provided for enrichment. The students analyze their own language, increase their English vocabulary through a study of Latin roots, and compare the history, traditions and institutions of the Greco-Roman civilization with those of the modern world. Although the primary goal is to read Latin literature, the skills of listening, writing, and speaking are developed to enhance the acquisition of the skill of reading Latin with direct comprehension. Students are expected to prepare daily homework assignments, memorize vocabulary and Latin forms, and keep a Latin notebook.

WL0333
LATIN 3
Year
1 Credit
Elective 10-12
Approved NCAA Core Course

In this course the students will begin to read original Latin literature. Since this level emphasizes prose, students will read selections from such authors as Pliny and Tacitus as the storyline concludes with a setting in Rome during the early empire. The third level of Latin continues the fundamental objectives of the Latin program, i.e. to develop the student's ability to read Latin with comprehension and enjoyment; to develop an understanding of the Greco-Roman civilization and its impact on the history of the modern world. Class activities include oral reading and listening in Latin, translation into English, analysis of grammatical structures, and discussion of cultural topics. References to mythology, Latin phrases, and Latin roots in English are commensurate with this level of study. Although the primary goal is to read Latin literature, the skills of listening, writing, and speaking will be developed to enhance the acquisition of the skill of reading Latin with direct comprehension. Students are expected to prepare daily homework assignments, memorize vocabulary and Latin forms, and keep a Latin notebook.

WL5334 HONORS LATIN 4
Year
1 Credit
Elective 11-12
Approved NCAA Core Course

The fourth level of Latin is honors and preparatory for AP Latin 5. This level fully implements the basic goal of the Latin program which is to read original Latin literature and discuss its themes as they relate to the ancient and modern world. Since this course emphasizes the reading of poetry, students read passages from Ovid, Catullus, and Vergil. After completing Level 4 textbook, students commence with the reading of Vergil's Aeneid, Book I. Class activities include oral reading and listening in Latin, oral and written translation, grammar analysis, identification of literary devices, and discussion of culture and mythological aspects in the literature. History of the late Republic and early Empire are examined in the text. Students gain a firm understanding of the Trojan War and its impact on the traditions of the Greco-Roman world. Students are expected to prepare daily homework assignments, memorize vocabulary and Latin forms, and keep a Latin notebook.

WL5335
AP LATIN 5
Year
1 Credit
Elective 12
Approved NCAA Core Course

Latin 5 continues the goals and activities of Latin 4 with an in-depth study of Vergil's Aeneid. Besides reading the entire epic in English, students will read selected Latin passages from Books II, IV, VII, X, and XII with interpretive and critical analysis. Class activities will include oral and written translation, as well as discussion of themes, literary devices, historical context and grammatical structures. Students are expected to prepare daily homework assignments, memorize vocabulary and Latin forms, complete supplemental reading assignments, and keep a Latin notebook. This course will follow the AP syllabus and will prepare students to take the AP Latin exam.

SPANISH

WL0300/CE8610
SPANISH 1
(IN-PERSON/VIRTUAL)
Year 1 Credit
Elective 9-12
Approved NCAA Core Course

This is the foundation course in Spanish designed for students without previous Spanish experience. The Spanish Level 1 course is structured to help students develop proficiency in the four basic skills: listening, speaking, reading, and writing. Along with these four basic skills, the Level 1 course aims to increase the student's knowledge and appreciation of the cultural diversities of the Spanish-speaking world. The updated curriculum is enhanced by the use of technology which includes online textbooks and multimedia programs.

WL0301 PRE–AP
SPANISH 2
Year
1 Credit
Elective 9-12
Approved NCAA Core Course

In preparation for the future Spanish AP Exam, students will develop skills necessary to communicate at the ACTFL Novice Mid proficiency level. Students at this level are able to communicate by using isolated words and memorized phrases in the particular context in which the language has been learned. Students will be able to present orally and in writing with phrases and a sequence of simple sentences that they formulate themselves, to ask/answer questions in a variety of ways in order to communicate with familiar topics such as food, daily routines, shopping, etc. Grammar concepts are introduced and used in reading, writing, speaking, and listening tasks with culture as a central part of instruction. This curriculum is enhanced through the use of technology. Prerequisite: A average in Spanish 1 as well as passing score on official oral language proficiency assessment.

WL0302/CE8602
SPANISH 2
(IN-PERSON/VIRTUAL)
Year
1 Credit
Elective 9-12
Approved NCAA Core Course

This course also serves as the second year of formal study. However, it moves more gradually into the development of listening, speaking, reading and writing skills. It strives to enrich the student's ability to organize and express ideas clearly and concisely in Spanish. Further study of the culture of Spanish speaking countries supplements this course. This curriculum is enhanced through the use of technology.

WL0303 PRE-AP
SPANISH 3
Year
1 Credit
Elective 10-12
Prerequisite:
A average in Pre-AP Spanish 2 as well as passing score on official oral language proficiency assessment.
Approved NCAA Core Course

In preparation for the future Spanish AP Exam, students will develop skills necessary to communicate at the ACTFL Novice High proficiency level, working towards the Intermediate-Low level. Students at this level are able to successfully handle uncomplicated communicative tasks by creating with the language in straightforward social situations. Students will be able to present orally and in writing with phrases and a sequence of simple sentences that they formulate themselves, to ask/answer questions in a variety of ways in order to communicate with familiar topics such as school, home, health, technology, and nature. Upper level grammar concepts are introduced and used in reading, writing, speaking, and listening tasks with culture as a central part of instruction. Curriculum is enhanced through the use of technology. All students will complete an official language proficiency assessment and earn a certificate of fluency from ACTFL.

WL0304/CE8603 SPANISH 3 (IN-PERSON/VIRTUAL)
Year
1 Credit
Elective 10-12
Approved NCAA Core Course

Students will develop skills necessary to communicate at the ACTFL Novice High proficiency level. Students at this level are able to handle uncomplicated communicative tasks by creating with the language in straightforward social situations. Students will be able to present orally and in writing with phrases and a sequence of simple sentences that they formulate themselves in order to communicate with familiar topics such as school, home, health, technology, and nature. Upper level grammar concepts are introduced and used in reading, writing, speaking, and listening tasks with culture as a central part of instruction. Curriculum is enhanced through the use of technology. All students will complete an oral proficiency assessment and earn an official certificate of fluency that can be used for college placement and resume.

WL0305 SPANISH IN THE ELEMENTARY SCHOOLS I (SPANISH 4)
Year
1 Credit
Elective 11-12
Approved NCAA Core Course

After successfully completing three years of traditional study of Spanish vocabulary and grammar, this course provides a foundation for students to become life-long learners of Spanish for use in personal and professional life. The focus of this course is a collaboration with elementary schools and community organizations to reinforce knowledge of Spanish and to share it with others. Students will design and teach weekly bilingual lessons throughout the year as student teachers in the SPIES (Spanish in the Elementary Schools) program.

WL0307 SPANISH IN THE ELEMENTARY SCHOOLS II (SPANISH 5)
Year
1 Credit
Elective 12
Prerequisite: WL0305 SPIES I
Approved NCAA Core Course

Students will utilize the experience and knowledge gained in SPIES I in order to continue collaboration with elementary schools and community organizations to reinforce knowledge of Spanish and to share it with others. Students will design and teach weekly bilingual lessons throughout the year as student teachers in the SPIES (Spanish in the Elementary Schools) program.

WL5306 PRE-AP HONORS SPANISH 4
Year
1 Credit
Elective 11-12
Approved NCAA Core Course

In preparation for the future Spanish AP Exam, students of Spanish 4 Honors will develop skills necessary to communicate at the ACTFL Intermediate-Low proficiency level, working towards the Intermediate-Mid level. Students at this level are able to successfully handle uncomplicated communicative tasks by creating with the language in straightforward social situations. Students will be able to present orally and in writing with phrases and a sequence of simple sentences that they formulate themselves, to ask/answer questions in a variety of ways in order to communicate with familiar topics such as city life, health, workplace, entertainment, and current events. Upper level grammar concepts are introduced and used in reading, writing, speaking, and listening tasks with culture as a central part of instruction. Curriculum is enhanced through the use of technology and online language proficiency assessments. Students are eligible to earn 3 College in High School credits from Seton Hill University. Prerequisite: A average in Pre-AP Spanish 3 as well as passing score on official oral language proficiency assessment.

WL5308 AP SPANISH 5
Year
1 Credit
Elective 12
Approved NCAA Core Course

In preparation to take the Spanish AP Exam, students will develop skills necessary to communicate at the ACTFL Intermediate-Mid proficiency level, working towards the Intermediate-High level. Students at this level are able to successfully handle uncomplicated communicative tasks by creating with the language in straightforward social situations. Students will be able to present orally and in writing with phrases and a sequence of simple sentences that they formulate themselves, to ask/answer questions in a variety of ways in order to communicate with familiar topics such as city life, health, workplace, entertainment, and current events. Upper level grammar concepts are introduced and used in reading, writing, speaking, and listening tasks with culture as a central part of instruction. Curriculum is enhanced through the use of technology and all students will complete an official language proficiency assessment to earn a certificate of fluency from ACTFL. Students are eligible to earn 3 College in High School credits from Seton Hill University. Prerequisite: A average in Pre-AP Honors Spanish 4 as well as passing score on official oral language proficiency assessment.

ENGLISH AS A SECOND LANGUAGE (ESL)

In accordance with Title 22, Chapter 4, Gateway High School provides a program for each student whose dominant language is not English. Qualifying students are afforded a planned program of English as a Second Language (ESL) instruction to facilitate the acquisition of English language skills and an instructional program appropriate to the student's developmental and instructional level.
With a focus on developing language proficiency in listening, speaking, reading, and writing, the program aims to empower students to navigate academic challenges and engage effectively in the broader school community.

The curriculum integrates language acquisition with content-specific subjects, fostering both linguistic and academic growth. In addition to language skills, cultural competence is emphasized, encouraging students to appreciate and understand diverse perspectives. The ESL program often includes specialized instructional strategies, such as small group activities, language labs, and targeted vocabulary instruction, to address individual learning needs. Through a supportive and inclusive learning environment, the high school ESL program strives to equip students with the language skills and cultural awareness necessary for success in both academic and social contexts.

GATEWAY HIGH SCHOOL
STUDENT SCHEDULE REQUEST 2024-2025
CURRENT GRADE 8

STUDENT NAME: _____

The GHS Program of Studies can be accessed online by going to the GHS webpage, then choosing Program of Studies from the index on the left side of the page.

This worksheet can be used to help you plan while making course selections this year. Complete this sheet prior to attending your scheduling session. Course selections will be made using Skyward starting on February 29, 2024.

	COURSE NAME	CREDIT	COURSE NO.
Language Arts:			
Social Studies:			
Math:			
Science:			
Physical Education:			
Elective 1:			
Elective 2:			
Elective 3:			
Elective 4:			
TOTAL CREDITS (Minimum 6.25/Maximum 7.25):			
Alternative Elective:			

In rare instances, schedule conflicts occur that make it impossible for all requested classes to fit into each student's schedule. Therefore, electives will be scheduled in order of choice. If there is a conflict with any elective choice, alternative electives will be scheduled.

REQUIRED COURSES:

ENGLISH	4 CREDITS	HEALTH	.5 CREDIT
SOCIAL STUDIES	4 CREDITS	TECHNOLOGY	1 CREDIT
MATH	3, 3.5 OR 4 CREDITS	ELECTIVES:	7.5 CREDITS
SCIENCE	3, 3.5 OR 4 CREDITS	• ARTS & HUMANITIES	2.0 CREDITS
PHYSICAL EDU.	1 CREDIT	• ALL OTHERS	5.5 CREDITS

***No schedule changes will be permitted after May 1, 2024.**

2/2024

ART
AR5820 – AP Art History
AR0800 – Art Survey (S)
AR0803 – Design (S)
AR0805 – Drawing A (S)
AR0806 – Drawing B (S)
AR0808 – Painting A (S)
AR0809 – Painting B (S)
AR0812 – Ceramics A (S)
AR0814 – Ceramics B (S)
AR0817 – Sculpture A (S)
AR0818 – Sculpture B (S)
CE8535 – Fundamentals of Digital Media (S)
CE8504 – Introduction to Art
CE8498 – Introduction to Art (S)
CE8515 – Art History I
CE8522 – Art History I (S)

BUSINESS/COMPUTER SCIENCE
BU0901 – Intro to Computer Science (S)
BU0903 – Microsoft Office (S)
BU0904 – Intro to Artificial Intelligence (S)
BU0914 – Personal Finance (S)
BU0917 – Intro to Business (S)
BU0922 – Computer Science 2.0 (S)
BU0926 – Webpage Design (S)
BU5903 – Honors Microsoft Office (S)
BU5904 – AP Computer Science A
CE8505 – Intro to Computer Science
CE8517 – Microsoft Office (S)
CE8516 – Microsoft Office
CE8511 – Personal Finance (S)
CE8524 – Intro to Business (S)
CE8525 – Career Planning & Development
CE8510 – Online Learning (S)
CE8514 – Strategies for Academic Success (S)
CE8527 – Introduction to Coding (S)
CE8528 – Entrepreneurship

ENGLISH
LA0194 – English 9
LA2194 – English 9 (TAG)
LA5195 – Honors English 9
LA0195 – Sports Literature (S)
LA0196 – Contemporary Comics (S)
CE8101 – English 9

FAMILY & CONSUMER SCIENCE
FC0953 – Fashion & Clothing (S)
FC0954 – Clothing Construction I (S)
FC0951 – Foods & Nutrition (S)
FC0958 – Child Development (S)
FC0957 – Interior Design I (S)
FC0962 – Life Roles (S)
FC0963 – Recreation, Travel, & Hospitality (S)
CE8533 – Foods & Nutrition (S)

HEALTH
CE8500 – Found. of Personal Wellness (S)
CE8501 – Foundations of Personal Wellness
CE8521 – Contemporary Health (S)

PHYSICAL EDUCATION
PE0609 – Physical Education 9/10A
PE0619 – Physical Education 9/10B
CE8506 – Lifetime Fitness 9

MATHEMATICS
MA0419 – Algebraic Concepts
MA0422 – Algebra I
MA423A – Geometry
MA5413 – Honors Geometry
MA424A – Algebra II
MA5414 – Honors Algebra II
CE8201 – Algebraic Concepts
CE8202 – Algebra I
CE8203 – Geometry
CE8204 – Algebra II

MUSIC
MU0820 – Symphonic Band
MU0822 – Symphonic Orchestra
MU0825 – Mixed Chorus
MU0826 – Percussion Ensemble
MU5937 – Honors Chamber Orchestra
MU5827 – Honors Wind Ensemble
MU0833 – Music Technology (S)
MU0834 – Music Technology II (S)
MU0840 – Musical Theater Perform. I (S)
MU0841 – Musical Theater Perform. II (S)

SCIENCE
SC0540 – Geoscience
SC5519 – Honors Biology
CE8308 – Geoscience

SOCIAL STUDIES
SS0792 – Global Connections I
SS5791 – Honors Global Connections I
SS0720 – World Religions (S)
SS0727 – African American History (S)
SS0730 – Teacher Academy I (S)
CE8401 – Global Connections I
CE8534 – Teacher Academy I (S)
CE8402 – Modern World History
CE8408 – Modern World History (S)

TECHNOLOGY & ENGINEERING
TE0939 – Robotics & Engineering Tech. (S)
TE0940 – Computer Aided Drafting (S)
TE0941 – Architectural Design
TE0943 – Manufacturing Technology
TE0945 – Design, Animation & Program. (S)
TE0946 – Multimedia & Video Tech (S)
TE0948 – 3D Modeling & Animation
TE0950 – Transportation Systems (S)
TE0951 – Intro to Esports (S)
CE8529 – Engineering & Design (S)
CE8530 – Intro Careers in Arch. & Constr. (S)
CE8531 – Introduction to STEM (S)
CE8532 – STEM & Problem Solving (S)

WORLD LANGUAGES
WL0310 – French 1
WL0311 – French 2
WL0331 – Latin 1
WL0332 – Latin 2
WL0300 – Spanish 1
WL0301 – Pre-AP Spanish 2
WL0302 – Spanish 2
CE8604 – French 1
CE8605 – French 2
CE8607 – German 1
CE8609 – Latin 1
CE8610 – Latin 2
CE8610 – Spanish 1
CE8602 – Spanish 2

2/2024 S = Semester Course

GATEWAY HIGH SCHOOL
STUDENT SCHEDULE REQUEST 2024-2025
CURRENT GRADE 9

STUDENT NAME: _____

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Social Studies:			
Math:			
Science:			
Physical Education:			
Health:			
Elective 1:			
Elective 2:			
Elective 3:			
Elective 4:			
TOTAL CREDITS (Minimum 6.25/Maximum 7.25):			
Alternative Elective:			
Forbes Road CTC (optional): Forbes Road CTC will be added once accepted into a specific program. A full schedule should still be developed.			
Forbes Road CTC Program:			

In rare instances, schedule conflicts occur that make it impossible for all requested classes to fit into each student's schedule. Therefore, electives will be scheduled in order of choice. If there is a conflict with any elective choice, alternative electives will be scheduled.

REQUIRED COURSES:

ENGLISH	4 CREDITS	HEALTH	.5 CREDIT
SOCIAL STUDIES	4 CREDITS	TECHNOLOGY	1 CREDIT
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SCIENCE	3, 3.5 OR 4 CREDITS	• ARTS & HUMANITIES	2.0 CREDITS
PHYSICAL EDU.	1 CREDIT	• ALL OTHERS	5.5 CREDITS

***No schedule changes will be permitted after May 1, 2024.**

2/2024

ART
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AR0800 – Art Survey (S)
AR0803 – Design (S)
AR0805 – Drawing A (S)
AR0806 – Drawing B (S)
AR0808 – Painting A (S)
AR0809 – Painting B (S)
AR0812 – Ceramics A (S)
AR0814 – Ceramics B (S)
AR0817 – Sculpture A (S)
AR0818 – Sculpture B (S)
AR0819 – Digital Photography
CE8535 – Fundamentals of Digital Media (S)
CE8504 – Introduction to Art
CE8498 – Introduction to Art (S)
CE8515 – Art History I
CE8522 – Art History I (S)

BUSINESS/COMPUTER SCIENCE
BU0901 – Intro to Computer Science (S)
BU0903 – Microsoft Office (S)
BU0904 – Intro to Artificial Intelligence (S)
BU0914 – Personal Finance (S)
BU0916 – Sports & Entertain. Management (S)
BU0917 – Intro to Business (S)
BU0922 – Computer Science 2.0 (S)
BU0926 – Webpage Design (S)
BU5903 – Honors Microsoft Office (S)
BU5904 – AP Computer Science A
BU5905 – AP Computer Science Principles
CE8505 – Intro to Computer Science
CE8516 – Microsoft Office
CE8517 – Microsoft Office (S)
CE8511 – Personal Finance (S)
CE8524 – Intro to Business (S)
CE8525 – Career Planning & Development
CE8510 – Online Learning (S)
CE8514 – Strategies for Academic Success (S)
CE8527 – Introduction to Coding (S)
CE8528 – Entrepreneurship

ENGLISH
LA0104 – English 10
LA2104 – English 10 (TAG)
LA5105 – Honors English 10
LA0164 – Speech (S)
LA0195 – Sports Literature (S)
LA0196 – Contemporary Comics (S)
CE8102 – English 10
CE8107 – Speech

FAMILY & CONSUMER SCIENCE
FC0953 – Fashion & Clothing (S)
FC0954 – Clothing Construction I (S)
FC0955 – Clothing Construction II (S)
FC0951 – Foods & Nutrition (S)
FC0952 – Advanced Foods & Nutrition (S)
FC0967 – Foods 3.0 (S)
FC0958 – Child Development (S)
FC0959 – Preschool Education I (S)
FC0960 – Preschool Education II (S)
FC0957 – Interior Design I (S)
FC0962 – Life Roles (S)
FC0963 – Recreation, Travel, & Hospitality (S)
CE8533 – Foods & Nutrition (S)

HEALTH
HE0630 – Health (S)
CE8502 – Health (S)
CE8500 – Found. of Personal Wellness (S)
CE8501 – Foundations of Personal Wellness
CE8521 – Contemporary Health (S)

PHYSICAL EDUCATION
PE0609 – Physical Education 9/10A
PE0619 – Physical Education 9/10B
CE8507 – Lifetime Fitness 10

MATHEMATICS
MA0422 – Algebra I
MA422A – iAlgebra I
MA423A – Geometry
MA5413 – Honors Geometry
MA424A – Algebra II
MA5414 – Honors Algebra II
MA0425 – Trigonometry & Precalculus
MA5415 – Honors Precalculus/Trigonometry
CE8202 – Algebra I
CE8203 – Geometry
CE8204 – Algebra II
CE8213 – Trigonometry & Precalculus

MUSIC
MU0820 – Symphonic Band
MU0822 – Symphonic Orchestra
MU0823 – Comprehensive Music (S)
MU0825 – Mixed Chorus
MU0826 – Percussion Ensemble
MU5937 – Honors Chamber Orchestra
MU5827 – Honors Wind Ensemble
MU0830 – Symphonic Choir
MU0833 – Music Technology (S)
MU0834 – Music Technology II (S)
MU5831 – Honors Gateway Chorale
MU0840 – Musical Theater Perform. I (S)
MU0841 – Musical Theater Perform. II (S)

SCIENCE
SC0520 – Biology
SC0511 – Chemistry
SC5510 – Honors Chemistry
SC0501 – Science Innovations (S)
SC0509 – Exploration of Science in Media
SC5503 – AP Physics I
SC0526 – Advanced Biology (S)
SC5546 – Honors Environ. Science I (S)
SC5547 – Honors Environ. Science II (S)
CE8304 – Biology
CE8305 – Chemistry
CE8307 – Environmental Science

SOCIAL STUDIES
SS0702 – Global Connections II
SS5701 – Honors Global Connections II
SS0720 – World Religions (S)
SS0727 – African American History (S)
SS0730 – Teacher Academy I (S)
SS0731 – Teacher Academy II (S)
SS0732 – Teacher Academy III (S)
SS5734 – AP World History: Modern
CE8403 – Global Connections II
CE8513 – Sociology (S)
CE8407 – Economics (S)
CE8405 – American Government & Civics (S)
CE8512 – Psychology
CE8520 – Psychology (S)
CE8534 – Teacher Academy I (S)
CE8402 – Modern World History
CE8408 – Modern World History (S)

TECHNOLOGY & ENGINEERING
TE0939 – Robotics & Engineering Tech. (S)
TE0940 – Computer Aided Drafting (S)
TE0941 – Architectural Design
TE0943 – Manufacturing Technology
TE0944 – Advanced Manufacturing Tech.
TE0945 – Design, Animation & Program. (S)
TE0946 – Multimedia & Video Tech (S)
TE0947 – Advanced Video & Special Effects
TE0948 – 3D Modeling & Animation
TE0950 – Transportation Systems (S)
TE0951 – Intro to Esports (S)
TE5949 – Honors CAD
TE5950 – Honors Robotics & Engineering
CE8529 – Engineering & Design (S)
CE8530 – Intro Careers in Arch. & Constr. (S)
CE8531 – Introduction to STEM (S)
CE8532 – STEM & Problem Solving (S)

WORLD LANGUAGES
WL0310 – French 1
WL0311 – French 2
WL0313 – French 3
WL0331 – Latin 1
WL0332 – Latin 2
WL0333 – Latin 3
WL0300 – Spanish 1
WL0301 – Pre-AP Spanish 2
WL0302 – Spanish 2
WL0303 – Pre-AP Spanish 3
WL0304 – Spanish 3
CE8604 – French 1
CE8605 – French 2
CE8606 – French 3
CE8607 – German 1
CE8608 – German 2
CE8609 – Latin 1
CE8610 – Latin 2
CE8610 – Spanish 1
CE8602 – Spanish 2
CE8603 – Spanish 3

2/2024 S = Semester Course

GATEWAY HIGH SCHOOL
STUDENT SCHEDULE REQUEST 2024-2025
CURRENT GRADE 10

STUDENT NAME: _____

The GHS Program of Studies can be accessed online by going to the GHS webpage, then choosing Program of Studies from the index on the left side of the page.

This worksheet can be used to help you plan while making course selections this year. Complete this sheet prior to attending your scheduling session. Course selections will be made using Skyward starting on February 29, 2024.

	COURSE NAME	CREDIT	COURSE NO.
Language Arts:			
Social Studies:			
Math:			
Science:			
Physical Education:			
Elective 1:			
Elective 2:			
Elective 3:			
Elective 4:			
TOTAL CREDITS (Minimum 6.25/Maximum 7.25):			
Alternative Elective:			
Forbes Road CTC (optional): Forbes Road CTC will be added once accepted into a specific program. A full schedule should still be developed.			
Forbes Road CTC Program:			

In rare instances, schedule conflicts occur that make it impossible for all requested classes to fit into each student's schedule. Therefore, electives will be scheduled in order of choice. If there is a conflict with any elective choice, alternative electives will be scheduled.

REQUIRED COURSES:

ENGLISH	4 CREDITS	HEALTH	.5 CREDIT
SOCIAL STUDIES	4 CREDITS	TECHNOLOGY	1 CREDIT
MATH	3, 3.5 OR 4 CREDITS	ELECTIVES:	7.5 CREDITS
SCIENCE	3, 3.5 OR 4 CREDITS	• ARTS & HUMANITIES	2.0 CREDITS
PHYSICAL EDU.	1 CREDIT	• ALL OTHERS	5.5 CREDITS

***No schedule changes will be permitted after May 1, 2024.**

2/2024

ART
AR5820 – AP Art History
AR0800 – Art Survey (S)
AR0803 – Design (S)
AR0805 – Drawing A (S)
AR0806 – Drawing B (S)
AR0808 – Painting A (S)
AR0809 – Painting B (S)
AR0812 – Ceramics A (S)
AR0814 – Ceramics B (S)
AR0817 – Sculpture A (S)
AR0818 – Sculpture B (S)
AR0819 – Digital Photography
CE8535 – Fundamentals of Digital Media (S)
CE8504 – Introduction to Art
CE8498 – Introduction to Art (S
CE8515 – Art History I
CE8522 – Art History I (S)

BUSINESS/COMPUTER SCIENCE
BU0901 – Intro to Computer Science (S)
BU0903 – Microsoft Office (S)
BU0904 – Intro to Artificial Intelligence (S)
BU0905 – Career Development Essentials (S)
BU0914 – Personal Finance (S)
BU0916 – Sports & Entertain. Management (S)
BU0917 – Intro to Business (S)
BU0922 – Computer Science 2.0 (S)
BU0926 – Webpage Design (S)
BU5901 – Honors Entrepreneurship
BU5903 – Honors Microsoft Office (S)
BU5904 – AP Computer Science A
BU5905 – AP Computer Science Principles
CE8505 – Intro to Computer Science
CE8516 – Microsoft Office
CE8517 – Microsoft Office (S)
CE8526 – Career Development Essentials (S)
CE8511 – Personal Finance (S)
CE8524 – Intro to Business (S)
CE8525 – Career Planning & Development
CE8510 – Online Learning (S)
CE8514 – Strategies for Academic Success (S)
CE8527 – Introduction to Coding (S)
CE8528 – Entrepreneurship

ENGLISH
LA0114 – English 11
LA2114 – English 11 (TAG)
LA5115 – Honors English 11
LA5125 – AP English 11
LA0164 – Speech (S)
LA0195 – Sports Literature (S)
LA0196 – Contemporary Comics (S)
CE8103 – English 11
CE8107 – Speech

FAMILY & CONSUMER SCIENCE
FC0953 – Fashion & Clothing (S)
FC0954 – Clothing Construction I (S)
FC0955 – Clothing Construction II (S)
FC0956 – Clothing Construction III (S)
FC0951 – Foods & Nutrition (S)
FC0952 – Advanced Foods & Nutrition (S)
FC0967 – Foods 3.0 (S)
FC0958 – Child Development (S)
FC0959 – Preschool Education I (S)
FC0960 – Preschool Education II (S)
FC0961 – Preschool Education III (S)
FC0957 – Interior Design I (S)
FC0962 – Life Roles (S)
FC0963 – Recreation, Travel, & Hospitality (S)
CE8533 – Foods & Nutrition (S)

HEALTH
HE0630 – Health (S)
CE8502 – Health (S)
CE8500 – Found. of Personal Wellness (S)
CE8501 – Foundations of Personal Wellness
CE8521 – Contemporary Health (S)

PHYSICAL EDUCATION
PE0612 – Physical Education 11/12A
PE0622 – Physical Education 11/12B
CE8508 – Lifetime Fitness 11

MATHEMATICS
MA423A – Geometry
MA424A – Algebra II
MA5414 – Honors Algebra II
MA0425 – Trigonometry & Precalculus
MA0439 – Intro to Probability & Statistics (S)
MA0442 – College Algebra (S)
MA5415 – Honors Precalculus/Trigonometry
MA5417 – Honors Business Calculus
MA5419 – AP Statistics
MA5416 – AP Calculus AB
CE8203 – Geometry
CE8204 – Algebra II
CE8213 – Trigonometry & Precalculus
CE8214 – College Algebra (S)
CE8209 – Intro to Probability & Statistics (S)

MUSIC
MU0820 – Symphonic Band
MU0822 – Symphonic Orchestra
MU0823 – Comprehensive Music (S)
MU0825 – Mixed Chorus
MU0826 – Percussion Ensemble
MU5937 – Honors Chamber Orchestra
MU5827 – Honors Wind Ensemble
MU0830 – Symphonic Choir
MU0833 – Music Technology (S)
MU0834 – Music Technology II (S)
MU5831 – Honors Gateway Chorale
MU0840 – Musical Theater Perform. I (S)
MU0841 – Musical Theater Perform. II (S)
MU5832 – AP Music Theory (S)

SCIENCE
SC0511 – Chemistry
SC0501 – Science Innovations (S)
SC0502 – Physics
SC0509 – Exploration of Sci. in Media (S)
SC0531 – Geology (S)
SC0535 – College Geology (S)
SC0532 – Astronomy (S)
SC0550 – College Astronomy (S)
SC0534 – Anatomy & Physiology
SC5524 – Honors Anatomy & Physiology
SC0546 – Physical Science
SC5503 – AP Physics I
SC5504 – AP Physics 2
SC5515 – AP Chemistry
SC5518 – AP Biology
SC0526 – Advanced Biology (S)
SC5546 – Honors Environ. Science I (S)
SC5547 – Honors Environ. Science II (S)
CE8305 – Chemistry
CE8306 – Physics
CE8303 – Physical Science
CE8307 – Environmental Science

SOCIAL STUDIES
SS0712 – Global Connections III
SS5711 – Honors Global Connections III
SS0720 – World Religions (S)
SS0721 – Sociology (S)
SS0722 – Economics (S)
SS0723 – American Government & Civics (S)
SS0725 – Psychology (S)
SS0727 – African American History (S)
SS0728 – Current International Affairs (S)
SS0729 – Social Movement in America (S)
SS0730 – Teacher Academy I (S)
SS0731 – Teacher Academy II (S)
SS0732 – Teacher Academy III (S)
SS5734 – AP World History: Modern
SS5710 – AP US History
SS5729 – AP Economics
SS5730 – AP US Government & Politics (S)
SS5731 – Honors Humanities (S)
SS5733 – AP Psychology (S)
CE8404 – Global Connections III
CE8513 – Sociology (S)
CE8407 – Economics (S)
CE8405 – American Government & Civics (S)
CE8512 – Psychology
CE8520 – Psychology (S)
CE8534 – Teacher Academy I (S)
CE8402 – Modern World History
CE8408 – Modern World History (S)

TECHNOLOGY & ENGINEERING
TE0939 – Robotics & Engineering Tech. (S)
TE0940 – Computer Aided Drafting (S)
TE0941 – Architectural Design
TE0942 – Structural Engineering
TE0943 – Manufacturing Technology
TE0944 – Advanced Manufacturing Tech.
TE0945 – Design, Animation & Program. (S)
TE0946 – Multimedia & Video Tech. (S)
TE0947 – Advanced Video & Special Effects
TE0948 – 3D Modeling & Animation
TE0950 – Transportation Systems (S)
TE0951 – Intro to Esports (S)
TE5949 – Honors CAD
TE5950 – Honors Robotics & Engineering
CE8529 – Engineering & Design (S)
CE8530 – Intro Career in Arch. & Constr. (S)
CE8531 – Introduction to STEM (S)
CE8532 – STEM & Problem Solving (S)

WORLD LANGUAGES
WL0310 – French 1
WL0311 – French 2
WL0313 – French 3
WL5316 – Honors French 4
WL0331 – Latin 1
WL0332 – Latin 2
WL0333 – Latin 3
WL5334 – Honors Latin 4
WL0300 – Spanish 1
WL0301 – Pre-AP Spanish 2
WL0302 – Spanish 2
WL0303 – Pre-AP Spanish 3
WL0304 – Spanish 3
WL0305 – Spanish 4 (SPIES)
WL5306 – Pre-AP Honors Spanish 4
CE8604 – French 1
CE8605 – French 2
CE8606 – French 3
CE8607 – German 1
CE8608 – German 2
CE8609 – Latin 1
CE8610 – Latin 2
CE8610 – Spanish 1
CE8602 – Spanish 2
CE8603 – Spanish 3

2/2024 S = Semester Course

GATEWAY HIGH SCHOOL
STUDENT SCHEDULE REQUEST 2024-2025
CURRENT GRADE 11

STUDENT NAME: _____

The GHS Program of Studies can be accessed online by going to the GHS webpage, then choosing Program of studies from the index on the left side of the page.

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	COURSE NAME	CREDIT	COURSE NO.
Language Arts:			
Social Studies:			
Math:			
Science:			
Physical Education:			
Elective 1:			
Elective 2:			
Elective 3:			
Elective 4:			
TOTAL CREDITS (Minimum 6.25/Maximum 7.25):			
Alternative Elective:			
Forbes Road CTC (optional): Forbes Road CTC will be added once accepted into a specific program. A full schedule should still be developed.			
Forbes Road CTC Program:			
I am interested in Work or College Release (optional): Work Release or College Release will be added once approved. A full schedule should still be developed.			
•			

In rare instances, schedule conflicts occur that make it impossible for all requested classes to fit into each student's schedule. Therefore, electives will be scheduled in order of choice. If there is a conflict with any elective choice, alternative electives will be scheduled.

REQUIRED COURSES:

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SOCIAL STUDIES	4 CREDITS	TECHNOLOGY	1 CREDIT
MATH	3, 3.5 OR 4 CREDITS	ELECTIVES:	7.5 CREDITS
SCIENCE	3, 3.5 OR 4 CREDITS	• ARTS & HUMANITIES	2.0 CREDITS
PHYSICAL EDU.	1 CREDIT	• ALL OTHERS	5.5 CREDITS

***No schedule changes will be permitted after May 1, 2024.**

2/2024

ART
AR5820 – AP Art History
AR0800 – Art Survey (S)
AR0803 – Design (S)
AR0805 – Drawing A (S)
AR0806 – Drawing B (S)
AR0808 – Painting A (S)
AR0809 – Painting B (S)
AR0812 – Ceramics A (S)
AR0814 – Ceramics B (S)
AR0817 – Sculpture A (S)
AR0818 – Sculpture B (S)
AR0819 – Digital Photography
CE8535 – Fundamentals of Digital Media (S)
CE8504 – Introduction to Art
CE8498 – Introduction to Art (S)
CE8515 – Art History I
CE8522 – Art History I (S)

BUSINESS/COMPUTER SCIENCE
BU0901 – Intro to Computer Science (S)
BU0903 – Microsoft Office (S)
BU0904 – Intro to Artificial Intelligence (S)
BU0905 – Career Development Essentials (S)
BU0914 – Personal Finance (S)
BU0916 – Sports & Entertain. Management (S)
BU0917 – Intro to Business (S)
BU0922 – Computer Science 2.0 (S)
BU0926 – Webpage Design (S)
BU5901 – Honors Entrepreneurship
BU5903 – Honors Microsoft Office (S)
BU5904 – AP Computer Science A
BU5905 – AP Computer Science Principles
CE8505 – Intro to Computer Science
CE8516 – Microsoft Office
CE8517 – Microsoft Office (S)
CE8526 – Career Development Essentials (S)
CE8511 – Personal Finance (S)
CE8524 – Intro to Business (S)
CE8525 – Career Planning & Development
CE8510 – Online Learning (S)
CE8514 – Strategies for Academic Success (S)
CE8527 – Introduction to Coding (S)
CE8528 – Entrepreneurship

ENGLISH
LA5126 – AP English 12
LA0143 – Contemporary Themes (S)
LA0144 – Contemporary Themes (TAG) (S)
LA0161 – Composition (S)
LA0162 – Honors Advanced Composition (S)
LA5145 – Honors Classical Literature (S)
LA0164 – Speech (S)
LA0195 – Sports Literature (S)
LA0196 – Contemporary Comics (S)
CE8104 – English 12
CE8107 – Speech
CE8106 – Composition (S)

FAMILY & CONSUMER SCIENCE
FC0953 – Fashion & Clothing (S)
FC0954 – Clothing Construction I (S)
FC0955 – Clothing Construction II (S)
FC0956 – Clothing Construction III (S)
FC0951 – Foods & Nutrition (S)
FC0952 – Advanced Foods & Nutrition (S)
FC0967 – Foods 3.0 (S)
FC0958 – Child Development (S)
FC0959 – Preschool Education I (S)
FC0960 – Preschool Education II (S)
FC0961 – Preschool Education III (S)
FC0957 – Interior Design I (S)
FC0962 – Life Roles (S)
FC0966 – Life Beyond High School (S)
FC0963 – Recreation, Travel, & Hospitality (S)
CE8533 – Foods & Nutrition (S)

HEALTH
HE0630 – Health (S)
CE8502 – Health (S)
CE8500 – Found. of Personal Wellness (S)
CE8501 – Foundations of Personal Wellness
CE8521 – Contemporary Health (S)

PHYSICAL EDUCATION
PE0612 – Physical Education 11/12A
PE0622 – Physical Education 11/12B
CE8509 – Lifetime Fitness 12

MATHEMATICS
MA424A – Algebra II
MA0425 – Trigonometry & Precalculus
MA0427 – Calculus
MA0436 – Consumer Math I (S)
MA0439 – Intro to Probability & Statistics (S)
MA0442 – College Algebra (S)
MA0429 – Transition to College Math (S)
MA5416 – AP Calculus AB
MA5418 – AP Calculus BC
MA5417 – Honors Business Calculus
MA5419 – AP Statistics
CE8204 – Algebra II
CE8213 – Trigonometry & Precalculus
CE8200 – Consumer Math I (S)
CE8209 – Intro to Probability & Statistics (S)
CE8214 – College Algebra (S)
CE8212 – Transition to College Math (S)

MUSIC
MU0820 – Symphonic Band
MU0822 – Symphonic Orchestra
MU0823 – Comprehensive Music (S)
MU0825 – Mixed Chorus
MU0826 – Percussion Ensemble
MU5937 – Honors Chamber Orchestra
MU5827 – Honors Wind Ensemble
MU0830 – Symphonic Choir
MU0833 – Music Technology (S)
MU0834 – Music Technology II (S)
MU5831 – Honors Gateway Chorale
MU0840 – Musical Theater Perform. I (S)
MU0841 – Musical Theater Perform. II (S)
MU5832 – AP Music Theory (S)

SCIENCE
SC0501 – Science Innovations (S)
SC0502 – Physics
SC0509 – Exploration of Sci. in Media (S)
SC0531 – Geology (S)
SC0535 – College Geology (S)
SC0532 – Astronomy (S)
SC0550 – College Astronomy (S)
SC0534 – Anatomy & Physiology
SC5524 – Honors Anatomy & Physiology
SC0546 – Physical Science
SC5503 – AP Physics I
SC5504 – AP Physics 2
SC5505 – AP Physics C
SC5515 – AP Chemistry
SC5518 – AP Biology
SC0526 – Advanced Biology (S)
SC5546 – Honors Environ. Science I (S)
SC5547 – Honors Environ. Science II (S)
CE8306 – Physics
CE8303 – Physical Science
CE8307 – Environmental Science

SOCIAL STUDIES
SS0720 – World Religions (S)
SS0721 – Sociology (S)
SS0722 – Economics (S)
SS0723 – American Government & Civics (S)
SS0724 – Humanities (S)
SS0725 – Psychology (S)
SS0727 – African American History (S)
SS0728 – Current International Affairs (S)
SS0729 – Social Movement in America (S)
SS0730 – Teacher Academy I (S)
SS0731 – Teacher Academy II (S)
SS0732 – Teacher Academy III (S)
SS5734 – AP World History: Modern
SS5710 – AP US History
SS5729 – AP Economics
SS5730 – AP US Government & Politics (S)
SS5731 – Honors Humanities (S)
SS5733 – AP Psychology (S)
CE8513 – Sociology (S)
CE8407 – Economics (S)
CE8405 – American Government & Civics (S)
CE8512 – Psychology
CE8520 – Psychology (S)
CE8534 – Teacher Academy I (S)
CE8402 – Modern World History
CE8408 – Modern World History (S)

TECHNOLOGY & ENGINEERING
TE0939 – Robotics & Engineering Tech. (S)
TE0940 – Computer Aided Drafting (S)
TE0941 – Architectural Design
TE0942 – Structural Engineering
TE0943 – Manufacturing Technology
TE0944 – Advanced Manufacturing Tech.
TE0945 – Design, Animation & Program. (S)
TE0946 – Multimedia & Video Tech. (S)
TE0947 – Advanced Video & Special Effects
TE0948 – 3D Modeling & Animation
TE0950 – Transportation Systems (S)
TE0951 – Intro to Esports (S)
TE5949 – Honors CAD
TE5950 – Honors Robotics & Engineering
CE8529 – Engineering & Design (S)
CE8530 – Intro Careers in Arch. & Const. (S)
CE8531 – Introduction to STEM (S)
CE8532 – STEM & Problem Solving (S)

WORLD LANGUAGES
WL0310 – French 1
WL0311 – French 2
WL0313 – French 3
WL5316 – Honors French 4
WL5318 – Honors French 5
WL0331 – Latin 1
WL0332 – Latin 2
WL0333 – Latin 3
WL5334 – Honors Latin 4
WL5335 – AP Latin 5
WL0300 – Spanish 1
WL0301 – Pre-AP Spanish 2
WL0302 – Spanish 2
WL0303 – Pre-AP Spanish 3
WL0304 – Spanish 3
WL0305 – Spanish 4 (SPIES)
WL0307 – Spanish 5 (SPIES)
WL5306 – Pre-AP Honors Spanish 4
WL5308 – AP Spanish 5
CE8604 – French 1
CE8605 – French 2
CE8606 – French 3
CE8607 – German 1
CE8608 – German 2
CE8609 – Latin 1
CE8610 – Latin 2
CE8610 – Spanish 1
CE8602 – Spanish 2
CE8603 – Spanish 3

2/2024

S = Semester Course

COURSE	YEAR	SEMESTER	CREDIT	9	10	11	12
ART							
Art Survey		X	0.5	X	X	X	X
Design+		X	0.5	X	X	X	X
Drawing A		X	0.5	X	X	X	X
Drawing B		X	0.5	X	X	X	X
Painting A		X	0.5	X	X	X	X
Painting B		X	0.5	X	X	X	X
Ceramics A		X	0.5	X	X	X	X
Ceramics B		X	0.5	X	X	X	X
Sculpture A		X	0.5	X	X	X	X
Sculpture B		X	0.5	X	X	X	X
Digital Photography +	X		1	X	X	X	X
Introduction to Art (Virtual)	X		1	X	X	X	X
Art History (Virtual)	X		1	X	X	X	X
BUSINESS/COMPUTER SCIENCE							
Intro to Computer Science+		X	0.5	X	X	X	X
Computer Science 2.0+		X	0.5	X	X	X	X
Microsoft Office+		X	0.5	X	X	X	X
Honors Microsoft Office**+		X	0.5	X	X	X	X
Intro to Artificial Intelligence+		X	0.5	X	X	X	X
Career Development Essentials		X	0.5			X	X
Personal Finance		X	0.5	X	X	X	X
Sports & Entertainment Management & Marketing		X	0.5		X	X	X
Introduction to Business		X	0.5	X	X	X	X
Web Page Design+		X	0.5	X	X	X	X
Honors Entrepreneurship**	X		1			X	X
AP Computer Science A **+	X		1		X	X	X
AP Comp. Science Princ. **+	X		1		X	X	
Career Planning and Development (Virtual)	X		1	X	X	X	X
Online Learning and Digital Citizenship+ (Virtual)		X	0.5	X	X	X	X
Strategies for Academic Success* (Virtual)		X	0.5	X	X	X	X
Introduction to Coding+ (Virtual)		X	0.5	X	X	X	X
Entrepreneurship+ (Virtual)	X		1	X	X	X	X
FAMILY CONSUMER SCIENCE							
Fashion & Clothing							
Fashion and Clothing		X	0.5	X	X	X	X
Clothing Construction I		X	0.5	X	X	X	X
Clothing Construction II		X	0.5	X	X	X	X
Clothing Construction III		X	0.5		X	X	X

COURSE	YEAR	SEMESTER	CREDIT	9	10	11	12
Foods & Nutrition							
Foods & Nutrition		X	0.5	X	X	X	X
Advanced Foods & Nutrition		X	0.5	X	X	X	X
Food 3.0		X	0.5		X	X	X
Human Development							
Child Development		X	0.5	X	X	X	X
Preschool Education I		X	0.5		X	X	X
Preschool Education II		X	0.5		X	X	X
Preschool Education III		X	0.5			X	X
Interior Design							
Interior Design		X	0.5	X	X	X	X
Financial Literacy							
Life Roles		X	0.5	X	X	X	X
Life Beyond High School		X	0.5				X
HEALTH							
Health		X	0.5		X	X	X
Foundations of Personal Wellness (Virtual)	X		1	X	X	X	X
Contemporary Health (Virtual)		X	0.5	X	X	X	X
LANGUAGE ARTS							
English 9	X		1	X			
Sports Literature (Pending Board Approval)		X	0.5	X	X	X	X
Contemporary Comics (Pending Board Approval)		X	0.5	X	X	X	X
English 9 (TAG)	X		2	X			
Honors English 9 **	X		1	X			
English 10	X		1		X		
English 10 (TAG)	X		2		X		
Honors English 10 **	X		1		X		
English 11	X		1			X	
English 11 (TAG)	X		2			X	
Honors English 11 **	X		1			X	
AP English 11 **	X		1			X	
Contemp. Themes in Literature		X	0.5				X
Composition		X	0.5				X
Speech		X	0.5		X	X	X
Literary Studies		X	0.5				X
Hon Classical Literature **		X	0.5				X
Hon Advanced Composition **		X	0.5				X
AP English 12 **	X		1				X
College Entrance Exam Prep		X	0.5			X	X
English 12 (Virtual)	X		1				X
Literacy & Comprehension II (Virtual)	X		1	X	X	X	X
Fundamentals of Digital Media (Virtual)		X	0.5	X	X	X	X

MATH							
Algebraic Concepts	X		1	X			
Algebra I	X		1	X	X		
iAlgebra I	X		2		X		
Geometry	X		1	X	X	X	
Honors Geometry **	X		1	X	X		
Algebra II	X		1	X	X	X	X
Honors Algebra II **	X		1	X	X	X	
College Algebra		X	0.5			X	X
Trigonometry & Pre-Calculus	X		1		X	X	X
Transition to College Math		X	0.5				X
Honors Precalculus/Trigonometry **	X		1		X	X	
Calculus	X		1				X
AP Calculus AB **	X		1			X	X
Honors Business Calculus **	X		1			X	X
AP Calculus BC**	X		1				X
Consumer Math I		X	0.5				X
Intro to Probability & Stats		X	0.5			X	X
AP Statistics**	X		1			X	X
MUSIC							
Symphonic Band	X		1	X	X	X	X
Symphonic Orchestra	X		1	X	X	X	X
Comprehensive Music		X	0.5		X	X	X
Mixed Chorus	X		1	X	X	X	X
Percussion Ensemble	X		1	X	X	X	X
Symphonic Choir	X		1		X	X	X
Music Technology I +		X	0.5	X	X	X	X
Music Technology II +		X	0.5	X	X	X	X
Musical Theater Performance I		X	0.5	X	X	X	X
Musical Theater Performance II		X	0.5	X	X	X	X
Hon Wind Ensemble**	X		1	X	X	X	X
Honors Gateway Chorale**	X		1		X	X	X
AP Music Theory **		X	0.5		X	X	X
Hon Chamber Orchestra**	X		1	X	X	X	X
SCIENCE							
Science Innovations		X	0.5		X	X	X
Exploration of Science in Media		X	0.5		X	X	X
Biology	X		1		X		
Honors Biology **	X		1	X			
AP Biology**	X		1			X	X
Advanced Biology		X	0.5			X	X
Anatomy/Physiology	X		1			X	X
Honors Anat/Physiology **	X		1			X	X
Chemistry	X		1		X	X	

Honors Chemistry **	X		1		X		
AP Chemistry**	X		1			X	X
Astronomy		X	0.5			X	X
College Astronomy		X	0.5			X	X
Geology		X	0.5			X	X
College Geology		X	0.5			X	X
Geoscience	X		1	X			
Physics	X		1			X	X
AP Physics 1**	X		1		X	X	X
AP Physics 2**	X		1			X	X
AP Physics C**	X		1				X
Physical Science	X		1			X	X
Honors Environmental Sci I **		X	0.5			X	X
Honors Environmental Sci II**		X	0.5			X	X
Environmental Science (Virtual)	X		1	X	X	X	X
SOCIAL STUDIES							
GHS Teacher Academy Seminar		x	0.5	x	x	x	x
Global Connections I	X		1	X			
Honors Global Connections I **	X		1	X			
Global Connections II	X		1		X		
Honors Global Connect II **	X		1		X		
AP World History**	X		1		X	X	X
Global Connections III	X		1			X	
Honors Global Connect III **	X		1			X	
AP U.S. History **	X		1			X	X
World Religions		X	0.5	X	X	X	X
Sociology		X	0.5			X	X
Economics		X	0.5			X	X
AP Economics **	X		1			X	X
American Government and Civics		X	0.5			X	X
AP U.S. Govt. & Politics **		X	0.5			X	X
Humanities		X	0.5				X
Psychology		X	0.5			X	X
African American History		X	0.5	X	X	X	X
Current International Affairs		X	0.5			X	X
Social Movements in America		X	0.5			X	X
AP Psychology **		X	0.5		X	X	X
Honors Humanities **		X	0.5			X	X
Modern World History (Virtual)	X		1	X	X	X	X

TECHNOLOGY EDUCATION							
COURSE	**YEAR**	**SEMESTER**	**CREDIT**	**9**	**10**	**11**	**12**
Robotics & Engineering Technology +		X	0.5	X	X	X	X
Honors Robotics & Engineering**+	X		1		X	X	X
Computer Aided Drafting +		X	0.5	X	X	X	X
Honors CAD **+	X		1		X	X	X
Architectural Design +	X		1	X	X	X	X
Structural Engineering +	X		1	X	X	X	X
Manufacturing Technology I +	X		1	X	X	X	X
Adv Manufacturing Tech +	X		1		X	X	X
Design, Animation & Programming +		X	0.5	X	X	X	X
Multimedia & Video Tech +		X	0.5	X	X	X	X
Advanced Video & Special Effects +	X		1		X	X	X
3D Modeling & Animation +	X		1	X	X	X	X
Transportation Systems +		X	0.5	X	X	X	X
Intro to Esports + (Pending Board Approval)		X	0.5	X	X	X	X
Engineering and Design* (Virtual)		X	0.5	X	X	X	X
Introduction to Careers in Architecture and Construction* (Virtual)		X	0.5	X	X	X	X
Introduction to Stem* (Virtual)		X	0.5	X	X	X	X
Stem and Problem Solving* (Virtual)		X	0.5	X	X	X	X
WORLD LANGUAGE							
Spanish 1	X		1	X	X	X	X
Pre-AP Spanish 2	X		1	X	X	X	X
Spanish 2	X		1	X	X	X	X
Pre-AP Spanish 3	X		1		X	X	X
Spanish 3	X		1		X	X	X
SPIES I (Spanish in the Elementary Schools)	X		1			X	X
Pre-AP Honors Spanish 4**	X		1			X	X
SPIES II (Spanish in the Elementary Schools)	X		1				X
AP Spanish 5 **	X		1				X
French 1	X		1	X	X	X	X
French 2	X		1	X	X	X	X
French 3	X		1		X	X	X
Honors French 4 **	X		1			X	X
Honors French 5 **	X		1				X
German 1	X		1	X	X	X	X
German 2	X		1	X	X	X	X
Latin 1	X		1	X	X	X	X
Latin 2	X		1	X	X	X	X
Latin 3	X		1		X	X	X
Honors Latin 4 **	X		1			X	X
AP Latin 5 **	X		1				X