

***Carlynton Junior-Senior High
School***

Program of Studies



Community, Excellence, Character

**2024 - 2025
Grades 9 – 12**

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FORWARD

The Carlynton JSHS Program of Studies is designed to help students and parents/guardians choose, follow, and complete a path to graduation that will prepare students for success beyond high school. This document provides general information, including the policies, procedures and requirements of the Carlynton School District and the Carlynton JSHS, and includes descriptions of all of our course offerings.

Our mission is to maintain high expectations for all of our students. Together as teachers, staff members, and administrators, we strive to consistently improve our instructional practices in order to support student success. We encourage students, parents, and guardians to become familiar with the contents of the Program of Studies that will be supporting the successful educational environment at Carlynton JSHS.

All courses are college and career preparatory because we believe that it is our responsibility to provide all students with opportunities that prepare them for postsecondary readiness. There is a Weighted Honors and Scholars option for many of our core courses. There are also a variety of Advanced Placement offerings in order to enable students to earn college credit while in high school.

THE PROGRAM OF STUDIES

The Program of Studies is a comprehensive document outlining the course offerings, course sequence, and related requirements for high school students. Minimally, high school students at Carlynton JSHS must meet the graduation requirements outlined in Board Policy #217. Students are required to schedule at least six (6.0) credits per year in grades 9 – 12 and strongly encouraged to schedule seven credits. Students have certain subject area requirements each year that must be completed. The remaining credits are scheduled as elective courses according to the interests of the student and availability of that elective course. Each course offered is listed by department including a brief description of the course and corresponding credit. Please note that certain elective courses are only available in specific grade levels. Many of the courses offered have specific requirements which may include prerequisite courses and the achievement of a specific percentage grade. These specific requirements are listed either by course or by department. Another important aspect to consider is that not all elective courses listed in the Program of Studies run each year. Make sure you choose an alternate selection if a class is not available. **Please review your course selections with your parents or guardian considering your own success and aptitudes, teacher recommendations, and plans for post-graduation.**

HIGH SCHOOL DIPLOMA REQUIREMENTS

Graduation from Carlynton Junior-Senior High School shall be in accordance with the standards as established by the Pennsylvania Department of Education and the Board of School Directors of the Carlynton School District. These requirements are summarized below. **Graduation**

Requirements**

Credits

English 4.00

Mathematics 3.00

Science 3.00

Social Studies 3.00

Health / Phys. Ed 1.50

Electives 9.50

24.00

A credit is earned upon satisfactory completion of one hundred twenty (120) clock hours of instruction in a planned course. The ability to earn credit could be affected for excessive absences (20 or more days). **In order to make yearly progress toward graduation, students in grades 9 through 12 should earn an average of six (6) credits per school year. Failure to do so could jeopardize a student's ability to graduate with his or her class**

Act 158 Graduation Requirements

State graduation requirements also dictate that students must complete coursework and take the Keystone exam for Biology, Algebra 1, and English Literature

Act 158 was signed into law on October 24, 2018, in conjunction with Act 6 of 2017, expanding the options for students to demonstrate postsecondary readiness. The new statewide graduation requirements were set to take effect starting with the graduating class of 2023. Act 158 of 2018 establishes five pathways for students to demonstrate college, career, and community readiness. The High School guidance team is available to support students in determining the pathways to graduation that are appropriate and achievable for each individual student.

Students in the class of 2023 forward can meet the statewide graduation requirement within the Carlynton School District through one of the following pathways:

Pathway 1: Keystone Proficiency Pathway: Scoring proficient or advanced on each of the Keystone Exams - Algebra I, Literature, and Biology.

Pathway 2: Keystone Composite Pathway: Earning a satisfactory composite score (4452) on the Algebra I, Literature, and Biology (while achieving at least a score of proficient on at least one of the three exams AND no less than a score of basic on the remaining two exams).

Pathway 3: Alternative Assessment Pathway: Earning a passing grade in the courses associated with each of the Keystone Exams on which a score of proficiency was not achieved AND satisfactorily completing one of the following:

Attainment of an established score on one of the following approved alternative assessment:

- SAT (Score of 1010)
- PSAT (Score of 970)
- ACT (Score of 21)
- ASVAB (the minimum score (31) needed to gain admittance to a branch of the armed services in the year the student graduates)
- Attainment of Gold Level on the ACT WorkKeys Assessment;
- Advanced Placement Test (Attainment of a 3 or higher in the content area associated with each Keystone Exam in which a score of proficiency was not achieved. ● Dual Enrollment Courses (Successful completion of a dual enrollment course in the content area associated with each Keystone Exam in which a score of proficiency was not achieved.
- Successful completion of a pre-apprenticeship program;
- Acceptance in an accredited 4-year nonprofit institution of higher education and evidence of the ability to enroll in college-level coursework. (i.e. letter of acceptance, placement test results, college registration form, etc.)

Pathway 4: Evidence Based Pathway: Earning a passing grade in the courses associated with each of the Keystone Exams on which a score of proficiency was not achieved AND demonstrating three pieces of evidence consistent with goals and career plans.

Including **one** of the following pieces of evidence:

- Attainment of Silver Level on the ACT WorkKeys Assessment
- Attainment of a 3 on an Advanced Placement test;
- Acceptance to an accredited nonprofit institution of higher education other than a 4-year institution and evidence of the ability to enroll in college level coursework; (i.e. letter of acceptance, placement test results, college registration form, etc.)
- Attainment of an industry-recognized credential
- Successful completion of a concurrent enrollment or postsecondary course.

Including **two** of the following pieces of evidence:

- Satisfactory completion of a service learning project. Project proposals must be presented in writing to a guidance counselor for pre-approval by the principal/assistant principal. The proposal should include goals, activities, and contributions to the community. Projects must be supervised by an adult and completion must be verified in writing. (i.e. National Honors Society, Junior Rotarians, Boy Scouts, etc.); ● Attainment of proficiency or advanced on a Keystone Exam;
- A letter from an employer guaranteeing full-time employment;
- A certificate of successful completion of an internship or cooperative education program;
- Satisfactory compliance with the NCAA's core course for college-bound student athletes with a minimum grade point average (GPA) of 2.0.

Pathway 5: Career and Technical Education Pathway: Earning a passing grade in the courses associated with each of the Keystone Exams on which a score of proficiency was not achieved AND one of the following:

- Attaining an industry-based competency certification related to the Career and Technical Education (CTE) Concentrator's program of study.

- Demonstrating a high likelihood of success on an approved industry-based competency assessment. (National Occupational Competency Testing Institute (NOCTI) or the National Institute of Metalworking Skills (NIMS)).

KEYSTONE EXAMS

The Keystone Exams are end-of-course assessments designed to evaluate proficiency in academic content in Algebra 1, Biology and Literature. All students will take the particular Keystone Exam in the grade that they took the course. For example, if a student takes Algebra I in 9th grade, which is the year the student will take the Algebra Keystone Exam. Beginning with the Class of 2023, students must demonstrate proficiency on the Algebra, Literature, and Biology Keystone Exams in order to fulfill the Keystone Proficiency Pathway graduation requirement. This is achieved by scoring Proficient or Advanced on the overall score of the individual exams.

Earning a satisfactory composite score (4452) on the Algebra, Literature, and Biology (while achieving at least a score of proficient on at least one of the three exams AND no less than a score of basic on the remaining two exams) will satisfy Pathway 2: Keystone Composite Pathway. Students who do not demonstrate proficiency on a specific Keystone Exam Pathway will be encouraged to complete supplemental instruction and retake the exam in order to qualify for graduation under Pathway 1 or 2. Supplemental instruction will be consistent with the student educational program. Students and parents will be informed of which exams they will be taking at the start of each school year.

CLASS RANK

Class rank must be calculated by averaging the final percentage of all classes in grades nine through twelve to obtain an overall percentage average. The academic Valedictorian and Salutatorian, the Number 1 and Number 2 ranked students in the class respectively, will be determined from those students pursuing a curriculum containing the following:

1. Four credits of English
2. Three credits of Science
3. Three credits of Mathematics
4. Three credits of Social Studies
5. Two credits of a Modern Foreign Language

WEIGHTED GRADES

For the purpose of calculating class rank, weighted grades must acknowledge the rigor of academic coursework while maintaining a fair standard for all students.

Advanced Placement Courses & Dual Enrollment:

AP Biology, AP Calculus, CIS Chemistry, AP Language and Composition, AP Literature and Composition, AP U.S. Government and Politics, AP U.S. History, Statistics (DE), Spanish 3, 4, and 5 (DE), French 3, 4, and 5 (DE).

Recognizing that Advanced Placement and dual enrollment courses carry with them the standards established for postsecondary study at the college or university level, these courses will carry a weight for percentages earned higher than 70% for the purpose of calculating class rank. The final grade for each Advanced Placement and dual enrollment course will be calculated by adding 9 percentage points to the final percentage grade earned. Grades of 70% or lower will not be weighted.

Students who have successfully completed a dual enrollment (DE) course are responsible for obtaining the transcript from the partnering college or university if they are planning to attend that college or university. Dual enrollment transcripts are not Carlynton transcripts, therefore cannot be accessed at or requested by Carlynton. Requests for these transcripts must be made to the partnering college. Please see the dual enrollment teacher for instructions on obtaining this transcript.

In order to receive weighted credit, students must participate in the AP testing program.

Scholar Courses Algebra 1-Scholars (8th Grade), Geometry Scholars, Algebra 2-Scholars, Pre-Calculus, Scholars American History 1, Scholars American History 2, Biology 9-Scholars, Chemistry 10-Scholars, Human Anatomy and Physiology, Organic Chemistry, Physics 1, English 9-Scholars, English 10-Scholars.

Recognizing that Scholar Courses demand a higher level of analytical reading ability and cognitive thinking, these courses will carry a weighted grade for percentages **70%** or higher for the purpose of calculating class rank. Grades of **69%** or lower in a Scholar Course will not be weighted. Weighting in each Scholar Course will occur by adding 4.5 percentage points to the final percentage for the purpose of calculating class rank.

GPA calculations will be earned as follows:

90% - 100% = A

80% - 89% = B

70% - 79% = C

60% - 69% = D

0% - 59% = F

NOTE: Weighted grades will not be used to calculate placement in Scholars-level or Advanced Placement classes in any content area.

DROP/ADD POLICY

The goal of the administration is to develop a master schedule that enables each student to take the required and elective classes of his or her choice. In an effort to meet this goal, developing the master schedule becomes a process where many variables, such as class size and teacher availability, must also be considered. As a result, it is imperative for the student to realize that when a course is requested in the initial scheduling process, it is a commitment to schedule and complete the course. Recognizing that a student may have a change in his/her vocational direction, the following Drop/Add policy, # 213, must be followed:

Any student requesting a schedule change must be done prior to the last day of school in the 2023 - 2024 school year. **All changes must be approved by the building principals.**

The only schedule that will be considered for changes are those which are absolutely necessary, such as: a mistake on the schedule; a course needed to fulfill a graduation requirement; or a course needed to meet the requirements of a post-high school educational institution.

If a student drops a full-year course after the start of the school year, the student will receive a “W” grade for a dropped course within the first 10 school days (5 days for a semester course); after 10 days, that failing grade (“WF”) will be placed on the student’s report card and the cumulative percentage earned will be used to determine the final percentage average for the course.

NCAA ELIGIBILITY

Student interested in playing a sport at the collegiate level must register at

<https://web3.ncaa.org/ecwr3/>

To assess your eligibility for Division I or Division II schools please go to:

<http://www.ncaa.org/about/what-we-do/academics>

ON-LINE COURSES

1. Any student may take a course on-line or at another educational facility for credit recovery if
 - A. The on-line program or the educational facility is accredited
 - B. The course is being taken as credit recovery (the student has taken the course at Carlynton failed the course, and is taking this course as a “make-up”)
 - C. The student is in their Junior or Senior year and the student’s guidance counselor can determine without the use of these options the student would not graduate “on time.” Under this scenario, a student must use district approved on-line courses.
 - D. Parents/Guardians will be charged a nominal fee for the class if it is done through the Carlynton School District

2. Students may also take courses on-line or at another educational facility under the following guidelines:
 - A. The on-line program or the educational facility is accredited
The course taken is not offered by the Carlynton School District. In this case, the student will only be given credit for the course. The course will not be calculated into the student’s Grade Point Average (GPA/PPA) or class rank.
 - B. The course will be used only as an elective credit
 - C. No more than two (2) credits may be applied in this manner toward meeting graduation requirements
 - D. Parents/Guardians will be responsible for charges incurred in taking the course(s)

ENGLISH DEPARTMENT

The English department of Carlynton Junior-Senior High School offers classes designed to develop the English skills of all students. While core classes are geared to the academic student, electives and advanced levels accommodate a range of interests and abilities. To qualify for Scholars or Advanced Placement English courses, students must earn an unweighted average of 85% in the previous year's Scholars class or a 90% average in a non-scholars level course. *Please note, the prerequisite for the Advanced Placement English Literature & Composition or the Advanced Placement English Language & Composition course is an average of 85% in scholars English 10 or a 90% in English 10. **All students are required to complete 4 years of English for graduation.**

English 9 Full Year Grade 9 Credit 1.0 No. 1100 English 9 is a course that focuses on the continued development of reading, writing, listening and speaking skills using a variety of approaches. Through units devoted to the active reading of short stories, novels, and drama, the student will participate in activities and discussions in order to comprehend and analyze literature. Students will also learn to communicate effectively through written expression. Students are expected and encouraged to develop their skills each day with the emphasis upon mastery and success.

Academic English 9 Full Year Grade 9 Credit 1.0 No. 1101 Academic English 9 is a course that challenges the student to explore the areas of literature, and refine grammar, writing, speaking and listening skills. Through units devoted to the active reading of short stories, novels, and drama, the student will participate in activities and discussions in order to comprehend and analyze literature. Students will also learn the basic components of research. Students are expected and encouraged to develop their skills each and every day with the emphasis upon mastery and success.

Scholars English 9 Full Year Grade 9 Credit 1.0 No. 1102 Scholars English 9 is a course that involves the study and mastery of advanced concepts attendant to the language arts skills. Concentrated and accelerated areas of study involve reading, writing, speaking, critical thinking, research, and listening skills. This course is for excellent readers who are independent, self-reliant, and highly motivated. *A summer assignment is required of all students who enroll in this honors course.*

Prerequisite-students must earn an unweighted average of 85% in the previous year's Scholars class or a 90% average in a non-scholars level course.

English 10 Full Year Grade 10 Credit 1.0 No. 1103 English 10 continues to focus on the development of reading, writing, listening and speaking skills using a variety of approaches. Through units devoted to the active reading of short stories, novels, and drama, students will participate in activities and discussions in order to comprehend and analyze literature. Students will also learn to communicate effectively through written expression. Students are expected and encouraged to develop their skills each day with the emphasis upon mastery and success.

Academic English 10 Full Year Grade 10 Credit 1.0 No. 1104 Academic English 10 continues to challenge the student to explore the areas of literature, and refine grammar, writing, speaking and listening skills. Through units devoted to the active reading of short stories, novels, and drama, the student will participate in activities and discussions in order to comprehend and analyze literature. Students are expected and encouraged to develop their skills each and every day with the emphasis upon mastery and success.

Scholars English 10 Full Year Grade 10 Credit 1.0 No. 1105 Scholars English 10 is a course that involves the study and mastery of advanced concepts attendant to the language arts skills. Concentrated and accelerated areas of study will involve reading, writing, speaking, critical thinking, research, and listening skills. This course is for excellent readers who are independent, self-reliant, and highly motivated. *A summer assignment is required of all who enroll in this honors course.*

Prerequisite-students must earn an unweighted average of 85% in the previous year's Scholars class or a 90% average in a non-scholars level course.

English 11 Concepts of Literature Full Year Grade 11 Credit 1.0 No. 1118 By engaging frequently in differentiated instruction, students read and analyze plays, novels, essays, short stories, and poetry, with an emphasis on American literature from various time periods and literary movements. Students compose formal and informal written responses frequently and complete a multi-page and multi-source MLA research paper, benefitting from additional support and scaffolding as needed. Vocabulary instruction and a review of grammar and usage lessons are included. This course is appropriate for diverse learners who benefit from differentiated instruction. It also offers additional support for students who have to retake the Keystone Literature Exam.

PLACEMENT CRITERIA: Teacher recommendation and/or a non-proficient score on the Keystone Literature Exam.

English 11 Survey of American Literature Full Year Grade 11 Credit 1.0 No. 1106 Students read and analyze plays, novels, essays, short stories, and poetry, with an emphasis on American literature from various time periods and reflecting the influence of diverse literary movements. Students compose written responses of various lengths and in various modes, and complete an MLA-formatted research paper. Vocabulary instruction and a review of grammar and usage lessons are included.

English 12 Full Year Grade 12 Credit 1.0 No. 1109 English 12 continues to focus on the development of reading, writing, listening and speaking skills using a variety of approaches. Through units devoted to the active reading of short stories, novels, and drama, students will participate in activities and discussions in order to comprehend and analyze literature. Students will also learn to communicate effectively through written expression. Students are expected and encouraged to develop their skills each day with the emphasis upon mastery and success.

PLACEMENT CRITERIA: Teacher recommendation and/or a non-proficient score on the Keystone Literature Exam.

English 12 Survey of British Literature Full Year Grade 12 Credit 1.0 No. 1110 English 12 Survey of British Literature continues to challenge the student to explore the areas of literature, and refine grammar, writing, speaking and listening skills. Through units devoted to the active reading of short stories, novels, and drama, the student will participate in activities and discussions in order to comprehend and analyze literature. Students will practice applying the components of research. Students are expected and encouraged to develop their skills each and every day with the emphasis upon mastery and success.

AP Language and Composition Full Year Grades 11/12 Credit 1.0 No. 1117 This course offers students the opportunity for advanced study in language and the art of writing and prepares students for the Advanced Placement examination in English offered by the College Board. Students in this college-level course study primarily non-fiction texts such as speeches, essays, and editorials, and compose numerous analytical, argumentative, and synthesis essays. Students should expect an intensive writing focus and emphasis on close, careful reading. Vocabulary instruction and a review of grammar and usage lessons are included. Students take the AP English Language exam at the end of the course. Based on the results of the examination, students may qualify for college credit and/or advanced college standing. This course is open to juniors and seniors; As or Bs in prior English classes are recommended for enrollment.

A summer assignment is required. Failure to complete the summer assignment will result in a 0 for the summer assignment and possible removal from the class.

Prerequisite- an average of 85% in scholars English 10 or a 90% in English 10.

AP Literature and Composition Full Year Grades 11/12 Credit 1.0 No. 1111 The A.P. English Literature and Composition course helps students read with comprehension and write with clarity. It is designed to be of a college/university level with the challenges of a typical introductory composition and/or literature course. Students investigate a variety of literary masterpieces to develop an appreciation of expression, emotion, and imagination. In doing so, they evaluate the functions of essential elements of literature. Furthermore, students refine composition skills by the intensity of the writing program. They practice ordering ideas into a logical pattern, developing them with pertinent and valid details, and communicating them with fluency and tact while mastering English language usage, spelling, and punctuation. This course is open to juniors and seniors; As or Bs in prior English classes are recommended for enrollment.

A summer assignment is required. Failure to complete the summer assignment will result in a 0 for the summer assignment and possible removal from the class.

Prerequisite- an average of 85% in scholars English 10 or a 90% in English 10.

ENGLISH ELECTIVES

Acting and Technical Theater Half Year Grades 9-12 Credit 0.5 No. 1112 This course gives students the opportunity to perform and design. Students will learn the basic acting techniques, such as breathing, pronunciation, diction, movement, and projection. Students will also learn areas of the stage and how to block a scene. Students will be required to perform a monologue and a scene with one or two other students for a grade. In addition to acting, students will be introduced to the technical side of the theater, including but not limited to make-up, script writing, painting techniques, costume design, stage crew, set design, and lighting. Students will complete several projects during the semester, including designing puppets, adapting scripts, and designing the set for a puppet show that will be performed at the elementary schools. Students will benefit from guest speakers and theater-related field trips. Students will complete quizzes and tests based on concepts taught in class.

Creative Writing *Half Year Grades 9-12 Credit 0.5 No. 1113* This course is designed for the student who enjoys writing and would like to learn different writing styles. Creative writing, poetry, journalism and playwriting are some of the styles that will be explored in this class. Students will develop poise and self-confidence in presenting their writing to classmates in both formal and informal speaking situations.

History of Film *Half Year Grades 10-12 Credit 0.5 No. 1119* This semester course will be open to 10th, 11th, and 12th grade students with seniors receiving first priority. The film industry will be explored from its humble beginnings through modern day blockbusters and will include studies of pieces from various eras and genres including: the Silent Film Era, the Golden Age of Hollywood, Film Noir, Special Effects Masterpieces, Documentaries, Westerns, Science Fiction and Horror. Components of the course will include the viewing of films during class, notes, quizzes, tests and the creation of original film clips by the students. Students must have earned a 75% average for the previous year in both English & Social Studies to take this course.

Public Speaking and Debate *Half Year Grades 9 - 12 Credit 0.5 No. 1116* This course is a semester-long elective course open to students in grades 9-12 that serves as an introduction to the basic principles of public speaking and debate. In this performance-based class, students will view, critique, analyze, and model great speeches in history, as well as develop their own speaking voice and style through a study of verbal and non-verbal skills. Students will write and speak for different purposes and audiences. Finally, students will study argumentation through research and writing that culminates in whole class and small group debates on contemporary issues.

Multimedia Journalism *Full Year Grades 9 - 12 Credit 1.0 No. 1125* Multimedia Journalism introduces students to a wide array of media fields including video production, photojournalism, broadcast journalism, and newspaper production. Emphasis is placed on teaching students the fundamental principles of artistic composition in each field and the technical knowledge necessary to effectively use a variety of multimedia software and hardware systems. This course will use the production of a new online newspaper as the vehicle to teach students skills of traditional literacy as well as those of: information literacy, media literacy, videography, digital audio recording and editing, and digital publication. Students will learn the skills of reporting, writing, and editing including: interviewing skills, research methods, copy writing and editing, and news broadcasting. The newspaper aspect of the class will give students marketable experience in print media, publishing, staff management, layout, gathering news, deadlines, interviewing, and some photography. In addition to these real world skills, students will consider the ethics of producing news, all legal aspects of media law and copyright. Students in the class will also be responsible for the content and production of the daily morning announcements.
Recommended Prerequisites: None

Yearbook *Full Year Grades 9 - 12 Credit 1.0 No. 1123* This yearlong course involves learning and applying skills that result in a student-driven publication, the annual yearbook. Students will work as a team to produce all facets of the book, from selecting a theme and design features to taking pictures and writing captions, to marketing and sales. In doing so, students develop various skills, including graphic design, photojournalism, interviewing, journalistic-style writing, editing and revision, ad sales, and more. Students also are exposed to the ethics and principles that govern the journalism profession, and to the real-world demands of producing a publication. Because of strict publisher-set deadlines and the need to cover extracurricular activities, students enrolled must be committed to contributing time outside of the school day if necessary for deadlines or photography. Participation in the class constitutes your involvement in the

production of the yearbook. **This course may be repeated for additional credit.**

Prerequisites-to enroll in this class, students must earn a year end average of 80% in their English class. Priority will be given to upperclassmen.

SOCIAL STUDIES DEPARTMENT

The required course offerings in Social Studies are designed in adherence to the state standards for Civics & Government, History, Geography, and Economics while providing opportunities for enriched understanding. All students are required to successfully complete American History and American Government and the Economy in order to graduate. Scholar opportunities are available for qualifying students in each of the required social studies courses. In addition, Advanced Placement U.S. Government & Politics is offered to students meeting the prerequisites and will satisfy the graduation requirement for American Government and Economics. Students are encouraged to enroll in electives based on their post-secondary interests. The elective course offerings are designed to provide students with the opportunity to explore topics in greater depth and expose students to humanities courses offered at most colleges and universities, but do not count towards graduation requirements for social studies. Advanced Placement U.S. History is offered as a weighted-elective for qualifying students, but does not count towards meeting the graduation requirements for social studies. Students should discuss their intentions with their parents/guardians, guidance counselor, and teachers prior to course selection.

American History I Full Year Grade 9 Credit 1.0 No. 1200 American History I is a required course for graduation. The course is a survey of the growth and development of American Culture from the Life in English Colonies through Post-Reconstruction. Students will examine the social, political, and economic developments and conflicts experienced in the United States during this period. A research project may be used to enhance the objectives of the course.

Prerequisites: Successful completion of World History II.

Scholars American History I Full Year Grade 9 Credit 1.0 No. 1201 Scholars American History I is designed to meet the state standards and district graduation requirements, while providing greater depth to the course material and developing the historical thinking skills necessary for the AP U.S. History course. Students with a strong academic background will utilize their reading and writing skills to analyze primary documents to evaluate the significance of the events of the Life in English Colonies through Post-Reconstruction. *A research project and summer reading assignment are required for this course.*

Prerequisites: A grade of **90% or higher in World History, 85% or higher in Grade 8 English & proficiency on the Grade 8 English PSSA, plus recommendation of World History instructor.**

American History II Full Year Grade 10 Credit 1.0 No. 1202 American History II is a required course for graduation. The course is a survey of the growth and development of American Culture from Westward Expansion to contemporary America. Students will examine the social, political, and economic developments experienced in the United States during this period. A research project may be used to enhance the objectives of the course.

Prerequisites: Successful completion of American History I or Scholars American History I

Scholars American History II Full Year Grade 10 Credit 1.0 No. 1203 Scholars American History II is designed to meet the state standards and district graduation requirements, while providing greater depth to the course material and developing the historical thinking skills necessary for the AP U.S. History course. Students with a strong academic background will utilize their reading and writing skills to analyze primary documents to evaluate the significance of the events from Westward Expansion to contemporary America. *A research project and summer reading assignment are required for this course.*

Prerequisites: A grade of **85% or higher in Scholars American History I**, or **90% or higher in American History I**, **85% or higher in English Grade 9 & proficiency on the Grade 8 English PSSA**, plus recommendation of American History I instructor.

AP United States History Full Year Grade 11, 12 Credit 1.0 No. 1205 Advanced Placement United States History is a weighted elective course. In order to receive weighted credit, the student must participate in the AP testing program. The course is designed in conformity to the College Board standards, providing college instruction in a secondary environment. The course material covers the Colonial Period to 21st Century America. Students will study and discuss the economic, political, and social history of these periods. *A research paper and summer reading assignment are required for this course.*

Prerequisites: **85% or higher in Scholars American History II** or **90% or higher in American History I & II**, & **85% or higher in Grade 10 English**, plus recommendation of American History II instructor. In order to receive weighted credit, students must participate in the AP testing program.

American Government and the Economy Full Year Grade 11 Credit 1.0 No. 1204 This course will provide the student with fundamental knowledge regarding the American political and economic system. The primary objective is to help each individual make intelligent decisions as a citizen and consumer in today's society. Skills related to this objective will be stressed, along with factual knowledge and an emphasis on current topics. Problem solving activities will be an integral part of this course.

Prerequisites: None

Scholars American Gov & the Economy Full Year Grade 11/12 Credit 1.0 No. 1215 Scholars American Government and the Economy is a 4.5% weighted course, which satisfies the graduation requirement for this subject. Scholars American Government & the Economy is designed to meet the state standards, while providing greater depth to the course material. The content of the course will focus on American government and the fundamentals of economics. The curriculum will be supported by current political and economic topics as they relate to class content. The philosophy and operations guiding the U.S. political and economic system will be presented to aid students in making useful decisions impacting society today. Development of written and verbal communication skills will be emphasized. Evaluation may consist of a combination of unit examinations, quizzes, assignments, research projects, and class participation. The Commonwealth of Pennsylvania requires the administration of an accumulative exam for all students enrolled in this course.

Prerequisites: Successful completion of American History II or Scholars American History II. **85% or higher in English Grade 10 & proficiency on the Literature Keystone Exam, plus recommendation of American History II instructor.**

AP U.S. Government and Politics Full Year Grade 11, 12 Credit 1.0 No. 1206 Advanced Placement United States Government & Politics is a weighted course that adheres to the PA state standards and meets the curriculum requirements, in lieu of American Government & the Economy, for graduation. It is designed in conformity to the College Board standards, providing college instruction in a secondary environment. In order to receive weighted credit, the student must participate in the AP testing program. The course provides an analytical perspective on government and politics in the United States. It also involves both the study of general concepts used to interpret U.S. politics and economics, as well as analysis of specific case studies. It requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. political reality. *A research paper and summer reading assignment are required for this course.*

Prerequisites: Successful completion of American History II with a grade of **85% or higher or the successful completion of Scholars American History II.**

Psychology I: Intro to Psychology Half Year Grade 10-12 Credit 0.5 No. 1211 Psychology I establishes a foundation of psychology by examining theories of personality, various types of development, sensation, and perception, thinking and intelligence, memory, and learning. Foundational theorists and multiple schools of psychological study will be explored to explain human behavior. Prerequisites: Successful completion of American Cultures I.

Prerequisites: Successful completion of American History I.

Psychology II: Intro to Psychology Pt 2 Half Year Grade 10-12 Credit 0.5 No. 1213 Psychology II continues to build on the foundation of psychology and will also examine abnormalities and dysfunctions that impact a person's quality of life and existence in society. Students will explore the science of the human brain, consciousness, and mental states. They will also examine psychological disorders, approaches to treatment and therapy, and how emotions and stress can impact health

Prerequisites: Successful completion of Psychology I

AP Psychology Full Year Grade 11, 12 Credit 1.0 No. 1216 The course introduces students to the systemic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatments of psychological disorders, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, evaluate claims and evidence, and effectively communicate ideas.

Prerequisites: Passed Literature Keystone (proficient/advanced).

Sociology Half Year Grade 10-12 Credit 0.5 No. 1212 Sociology is the study of structures and functions of human groups and the social agents that influence movements and change in society. The students will examine cultural characteristics, stratification systems, deviance in society, and social theories defining norms of groups. Foundational theory, current data and field research trends and topics will be explored throughout the course.

Prerequisites: Successful completion of American History I

Introduction to Criminal Justice Half Year Grade 11, 12 Credit 0.5 No. 1208 Introduction to Criminal Justice is a semester elective designed to provide an overview of the justice process and the criminal justice system in general. Concepts of crime, deviance and justice will be discussed and general theories of criminal behavior will be examined. Individual rights of a democratic society will be explored, as well as the legal definitions of various crimes. Students will examine the organization and operation of law enforcement, the juvenile justice and corrections systems.

Modern World Religions Half Year Grades 10 -11 Credit 0.5 No. 1209 This course will examine the most populous religions around the world to include but not limited to; Islam, Christianity, Judaism, Buddhism, Hinduism. Students will explore the cultural events, traditions and anthropological aspects of religion. Students will evaluate the cultural, political, economic and social influence that religion has on the global society.

Holocaust, Genocide & Human Rights Half Year Grades 11,12 Credit 0.5 No. 1210 In the *Holocaust, Genocide and Human Rights* course, students will study the conditions, causes, implementation and aftermath of the Holocaust as it occurred in Germany and Europe from the years 1933 through the aftermath of the Nuremberg trials and formation of Israel. Students will compare the Holocaust to subsequent genocides that have taken place globally before and after. Among the themes explored will be why and how such a crime against humanity could occur, the definition of human rights in a global society, and what can be done to prevent future genocides from occurring. Students will be required to read from a variety of sources, undertake research, write, present, and utilize online resources in their study. Study of the Holocaust and Genocide will assist students in developing an understanding of the consequences of prejudice, racism, and stereotyping in any society.

Current World Affairs Half Year Grades 10 - 12 Credit 0.5 No. 1214 Current World Affairs is an investigation and discussion of current national and international issues. Students will identify topics of discussion, interpret the causes of conflict, and evaluate techniques to resolve those conflicts. Students will examine characteristics of a responsible citizen. A large component of the course grade will be based on class presentations and contributions to class discussion.

Prerequisites: Successful completion of American History I.

MATHEMATICS DEPARTMENT

The mathematics department recognizes the diversity in both student abilities and interests by offering three levels of study to Carlynton students. The mathematical background necessary for post-secondary success depends upon the intended career choice of the student. Students should discuss their intentions with their parents/guardians, guidance counselor, and teachers prior to selecting their course in mathematics. Regardless of the level chosen, every student is required to obtain **three** credits in mathematics throughout grades 9 – 12. However, the Carlynton mathematics department encourages the study of mathematics in each of the four years of high school.

- The Scholars level of study is designed to meet the needs of the student who plans to attend college and major in a curriculum that demands an intensive study of math. Recognizing that Scholar courses demand a higher level of analytical reading ability and cognitive thinking, Scholar courses will carry a weighted grade for percentages **70%** or higher for the purpose of calculating class rank. Grades of **69% or lower** will not be weighted. Weighting in each Scholar course will occur by adding **4.5 percentage points** to the final percentage each quarter for the purpose of calculating class rank. Mathematics Scholar courses are: Geometry-S; Algebra 2-S; and Pre-Calculus. Recognizing that Advanced Placement courses carry with them the standards established for post-secondary study at the college or university level, Advanced Placement courses will carry a weight of **9 percentage points** for percentages **70% or higher** when calculating class rank. Grades of **69% or lower** will not be weighted. In order to receive weighted credit, a student must participate in the AP testing program. The Advanced Placement course in mathematics is AP Calculus.

NOTE: Weighted grades will NOT be used to calculate placement in Scholars-level or Advanced Placement classes in any content area.

- The Academic level of study is designed to meet the needs of students who plan to attend college, trade school, or other post-secondary formal education. The mathematics courses offered in this course of study are sufficient for admissions and to lay the foundations for the mathematics that will be required in their chosen field of study. The General level of study is designed to meet the needs of the student who plans to acquire further training in a specific career or enter directly into the workforce.

The recommended Mathematics sequence is located in the back. (Appendix A)

Algebra 1 Full Year Grades 9-11 Credit 1.0 No.1300 Algebra 1 is designed to follow Math 8. Algebra 1 consists of the study of numbers and operations, functions, solving equations and inequalities, and graphing linear functions and inequalities. There is also an emphasis on probability and statistics, systems of equations, laws of exponents, and polynomials.

Prerequisite: Successful completion of Math 8.

Geometry Full Year Grades 9-11 Credit 1.0 No. 1303 Geometry places an emphasis on logical reasoning in conjunction with proofs and problem solving, and analysis and communication using two and three-dimensional figures. Students will cover points, lines, planes, angles, reasoning and proofs, perpendicular and parallel lines, congruent triangles, quadrilaterals, proportion and similarity, right triangles, circles, polygons, area, volume, and coordinate geometry.

Prerequisites: Successful completion of Algebra 1.

Geometry Scholars Full Year Grade 9 Credit 1.0 No. 1304 Geometry-S places emphasis on logical reasoning in conjunction with proofs, problem solving, and analyzing and communicating using various two- and three-dimensional figures. Students will study points, lines, planes, angles, perpendicular and parallel lines, congruent triangles, quadrilaterals, proportion and similarity, right triangles, circles, polygons, area, volume, and coordinate geometry. The students will apply reasoning and proof to basic and advanced geometric concepts throughout the course.

Prerequisites: This course is recommended for students who have successfully completed Algebra 1-S with a grade of **80%** or higher. Students must earn a proficient or advanced on the Algebra 1 Keystone Exam

Algebra 2 Full Year Grades 10-12 Credit 1.0 No. 1305 Algebra 2 consists of the study of linear, quadratic, and polynomial functions. Each of these functions will be graphed, visually interpreted, and applied to real-world situations. Students will learn to compute with radicals, exponentials and logarithms.

Prerequisites: This course is recommended for students who have successfully completed Geometry.

Algebra 2 Scholars Full Year Grade 10 Credit 1.0 No. 1306 Algebra 2-S consists of the study of linear, quadratic, and polynomial functions. Each of these functions will be graphed, visually interpreted, and applied to real-world situations. Students will learn to compute with radicals, exponentials, logarithms, and rationals. In addition to a slightly different content, this course has a swift pace and more rigor than Algebra 2.

Prerequisites: This course is recommended for students who have successfully completed Geometry-S with a grade of **80%** or higher.

Trigonometry Full Year Grades 11, 12 Credit 1.0 No. 1307 Trigonometry will expand upon the geometric and algebraic topics from Algebra 2 and Geometry. The course will start with functions, conics, and rationals. These Algebra topics will be used throughout the rest of the course. Once these topics are covered, a comprehensive study of trigonometry will begin. This study will begin with angles as they relate to the six trigonometric functions. Then graphing trigonometric functions, trigonometric identities, and solving trigonometric equations will be studied. The course will finish with a study of applications of solving triangles using trigonometric functions.

Prerequisites: This course is recommended for students who have successfully completed Algebra 2.

Statistics Full Year Grades 11, 12 Credit 1.0 No. 1308 Statistics is the science of designing studies, gathering data, and then classifying, summarizing, interpreting, and presenting these data to explain and support the decisions that are reached. Statistics is useful in many other disciplines, including Business, Psychology, Sociology, and Biology. This course places an emphasis on understanding statistical procedures and interpreting their results. Students who enroll in statistics have the option of also enrolling in the college in High School Program through the University of Pittsburgh. This program allows students to earn 4 college credits for STAT 0200 at Pitt. The cost for tuition for this class is \$245. **Prerequisites:** This course is recommended for students who have successfully completed Algebra 2.

Pre-Calculus Scholars Full Year Grades 11, 12 Credit 1.0 No. 1309 Pre-Calculus has two concentrations. First, there is a comprehensive study of trigonometry, including the applications of solving triangles, graphing trigonometric functions, and the study of trigonometric identities. Second, there is a study of various analytical geometry topics, including conics, logarithmic and exponential functions, and other topics. The goal of the course is to prepare the students to take Calculus. *A summer assignment is required.*

Prerequisites: This course is recommended for students who have successfully completed Algebra 2-S with a grade of **80%** or higher or have successfully completed Algebra 2 with a grade of **90%** or higher.

Personal Finance with Algebra Full Year Grades 10-12 Credit 1.0 No. 1314 Personal Finance with Algebra introduces mathematical content that directly relates to financial decisions adults make in their daily lives. Mathematical formulas, functions, and modeling used in Personal Finance with Algebra will help students make sense of the financial world around them through mathematical modeling and provide students with knowledge to make data-driven financial decisions. This course is designed to incorporate the concepts of algebra in real life situations. In addition, basic probability and statistics will be studied in context. Students will spend considerable time evaluating, simplifying, and solving various types of equations using the order of operations. Students will evaluate and graph simple and more complex functions by hand, create scatterplots, compare and contrast parallel and perpendicular lines, use tables to examine data closely, and compare and contrast direct and inverse variation. Students will develop a firm grasp of the concepts of personal finance while using fundamental concepts of algebra. Consistent problem-solving strategies will be introduced and utilized to assist in developing strong mathematical skills. Students will master skills where remediation is necessary to move toward proficiency on the Algebra 1 Keystone Exam.

Prerequisite: Successful completion of Algebra 1

AP Calculus Full Year Grade 12 Credit 1.0 No. 1310 This course is AP Calculus AB. The syllabus for the course has been approved by College Board, and will follow the curriculum topics published on the apcentral.collegeboard.com website. Calculus is essentially composed of three main concepts – limits, derivatives, and integrals. This course requires that students have a solid background in algebra, geometry, trigonometry, and analytic geometry. *A summer assignment is required.*

Prerequisites: Successful completion of Pre-Calculus with a grade of **80%** or higher.

SCIENCE DEPARTMENT

The science department recognizes that students differ in interests and abilities. It has, therefore, designed different levels of study for Carlynton students. The requirements for graduation from Carlynton Junior-Senior High School are only three credits in science; however, the students are encouraged to pursue the study of science throughout their four years in high school. The scientific background needed by a student depends upon the career area in which the student is interested. Students should discuss their interests with their parents, teachers, and guidance counselor before selecting the appropriate science courses.

Careful initial screening and monitoring are extremely important for the proper placement of students in the Science Program. Counselors will work with the students, parents, and teachers using student interests, prior grades, achievement test scores, and teacher recommendations in assigning and monitoring student placement. Any student who does not meet the prerequisite requirement for all Advanced Placement sciences will be moved to an available academic or scholars level science course.

Biology Full Year Grades 9, 10, 11 Credit 1.2 No. 1400 This is a full year course in Biology designed to provide students with the necessary skills to score proficient or advanced on the state Keystone Exams. The areas of study during the first semester will adhere to the assessment anchors and eligible content specified for Module A of the Keystone Exams (Cells and Cell Processes). These include: Basic Biological Principles, The Chemical Basis of Life, Bioenergetics and Homeostasis and Transport. The 2nd Semester's areas of study will reflect the assessment and eligible content specified for Module B of the Keystone Exams (Continuity and Unity of Life). These include: Cell Growth and Reproduction, Genetics, Theory of Evolution and Ecology. This course may contain content, reinforcement, discussions, laboratory investigations, evaluations, and enrichments that meet the Academic Standards for Science and Technology. Homework, class activities, quizzes, tests, and labs will all be used in the grading process. All students must pass this course and score proficient or above on the corresponding Keystone Biology exam to meet graduation requirements.

Biology 9 Scholars Full Year Grade 9 Credit 1.2 No. 1401 Scholars Biology is specifically designed to prepare students for taking Advanced Placement Biology in their junior or senior year of school. As with general biology, Scholars Biology will be taught according to the eligible content of the Keystone Exam curriculum. However, Scholars Biology will also emphasize the big ideas, enduring understandings, and learning objectives of the AP Biology College Board curriculum. This will provide the foundation for student success in AP Biology. The ultimate goal of Scholars Biology is to maximize the student's likelihood of doing well on the College Board AP Biology exam that will be given at the completion of AP Biology. Students who pass this exam receive college credits for biology.

Prerequisites: The student must have previously taken Scholars Algebra 1 and Science 8. The student must have received a minimum of 85% grade in those courses.

AP Biology Full Year Grades 11, 12 Credit 1.4 No. 1402 The Advanced Placement Biology course is designed by the College Board to be identical to the freshman course offered at most universities. As a result, students taking Advanced Placement Biology must follow a strict standard syllabus. The topics emphasized in the course are biochemistry, cytology, cellular energy, heredity, evolution, phylogeny, anatomy, physiology, and ecology. The entire Advanced Placement Biology course is organized into the following three main topics: Molecules and Cells - Heredity and Evolution - Organisms and Populations

Prerequisites: Students must have completed Biology and Chemistry with a grade of **85%** or higher. A summer assignment will be required. Students also must score proficient or advanced on the Biology Keystone exam.

Integrated Science Full Year Grades 10, 11 Credit 1.0 No. 1418 Integrated science will cover biology, physics and chemistry. The course will focus on biology concepts from the beginning of the year through the first wave of Keystone exams in December. Students will take the Biology Keystone in December. Following the Keystone exam the second portion of the year will focus on physics with the topics of motion and forces, energy, and waves. The third portion of the year will focus on chemistry with the topics of matter, reactions and applications of chemistry.

Prerequisites: Successful completion of Biology and Basic or Below Basic on Biology Keystone.

Earth and Geological Science Full Year Grade 10, 11, 12 Credit 1.0 No. 1403 This course may contain content, reinforcement, discussions, laboratory investigations, evaluations, and enrichments that meet the Academic Standards for Science and Technology. The course includes the study of physical geology, historical geology, oceanography, meteorology, environmental resources, and astronomy. Laboratory techniques are developed through directed laboratory experiments.

Prerequisites: Students must have successfully completed Biology and passed the Keystone, or successfully completed Biology and completed the Integrated Science course.

Conceptual Chemistry Half Year Grades 11, 12 Credit 0.5 No. 1404 Chemistry explains the structure and composition of matter and the various changes that matter undergoes. It explores the properties, trends, and behaviors of the elements of the periodic table. Topics will include, but not be limited to; nomenclature, chemical equations, bonding, and behavior of gasses, energy exchanges and **moderate** application of mathematics. The laboratory tasks develop proper technique through directed experiments utilizing computers and other specialized equipment. This course may contain research papers, various activities, and projects that meet the Academic Standards and are used for evaluation purposes.

Prerequisites: This course is open to students in grades 11 and 12 who have passed Earth and Geological Science.

Chemistry Full Year Grades 10-12 Credit 1.2 No. 1405 Chemistry explains the structure and composition of matter and the various changes that matter undergoes. It explores the properties, trends, and behaviors of the elements of the periodic table. Topics will include, but not be limited to, nomenclature, chemical equations, bonding, and behavior of gasses, energy exchanges, and intensive applications of mathematics. The laboratory tasks develop proper techniques through directed experiments utilizing computers and other specialized equipment. This course may contain research papers, various activities, and projects that meet the Academic Standards and are used for evaluation purposes.

Prerequisites: Chemistry is open to students in grades 10 who have passed Biology, have completed Algebra I with a minimum grade of **82%** and who have completed or are concurrently taking Algebra 2.

This course is also open to students in grades 11 and 12 who have completed both Algebra I with a minimum grade of 82% or have passed Algebra I and Algebra 2 or are concurrently taking Algebra 2.

All students regardless of grade level must also must score proficient or advanced on the Biology Keystone Exam or successfully completed Integrated Science.

Organic Chemistry Half Year Grades 11, 12 Credit 0.5 No. 1406 Organic chemistry is designed for students considering careers in science, nursing and other medical careers. This course is an introduction to carbon based compounds. The course may contain labs, quizzes, tests, projects, and papers for evaluation purposes. Topics may include but not be limited to: nomenclature and drawing of functional groups, isomerism, stereochemistry and mechanisms of reactions involving various function groups but with emphasis on reactions involving alkenes, alkynes, alcohols, aldehydes, ketones, carboxylic acids and esters.

Prerequisites: This course is open to students that have completed Chemistry with a grade of 80% or higher and with the recommendation of the instructor.

CIS Chemistry Full Year Grades 11, 12 Credit 1.4 No. 1407 College in High School Chemistry is a college level course. This course will cover the fundamental principles of chemistry in depth with an emphasis on reasoning and problem solving. The course will develop the students' ability to incorporate mathematical skills in the solution of chemistry problems, both through the use of written problems and laboratory activities. Topics of study include: atomic theory and structure, stoichiometry, chemical reactions, gasses, liquids, and solids, solutions, kinetics, chemical equilibrium, acids and bases, thermochemistry, and electrochemistry. Students choosing this course should be aware of required summer readings and assignments. Failure to complete required summer preparation will significantly affect the students first nine-week grade during the following academic year.

Students who enroll in this course have the option of also enrolling in the college in High School Program through Robert Morris University. The program allows student to earn 4 college credits for CHEM 1210 (lecture-3 credits) and CHEM 1215 (lab-1 credit)

Prerequisites: This course is open to students in grades 11 and 12 who have passed Chemistry and Algebra 2 with a grade of 85% or higher. Students must also score proficient or advanced on the Biology Keystone Exam.

Physics I Full Year Grades 11, 12 Credit 1.0 No. 1409 Physics I is a course that provides the student with an organized and logical presentation of the basic concepts and principles of physics through a broad range of interesting applications to the real world. Each major topic will be introduced by demonstration followed by student application of the concepts through laboratory work, mathematical problem solving, and discussion of critical thinking questions. Tools used will include, but are not limited to, computers, computer simulation, multimedia presentation, and graphical software to help reinforce these concepts. Physics I may include units on kinematics, Newton's Laws, Rotational motion, planetary motion, energy, simple machines, and momentum. This course may contain research papers, various activities, and projects that meet the Academic Standards and are used for evaluation purposes.

Prerequisites: This course is open to students in grades 11 and 12 who have completed Algebra 2 with a final grade of **70%** or higher and have taken or are concurrently taking Trigonometry or Pre- Calculus.

Physics II Full Year Grade 12 Credit 1.0 No. 1410 Physics will involve an in-depth study of concepts and principles of Physics through a broad range of interesting applications to the real world. Each major topic will be introduced by demonstration followed by student application of the concepts through laboratory work, mathematical problem solving, and discussion of critical thinking questions. Tools used will be, but are not limited to, computers, computer simulation, multimedia presentation, and graphical software to help reinforce these concepts. Physics II may include units on sound, light, magnetism, thermodynamics, nuclear electricity, and relativity. This course may contain research papers, various activities, lab reports, and projects that meet the Academic Standards and are used for evaluation purposes.

Course Requirements: Successful completion of Physics I with a grade of **83%** or higher.

Meteorology Half Year Grades 11, 12 Credit 0.5 No. 1411 This course may contain evaluations, activities, and projects that meet the Academic Standards for Science and Technology. The course emphasizes the study of meteorology; the areas of study may include origin structure and composition of the atmosphere, weather elements, weather systems, and weather forecasting. Laboratory techniques are developed through directed experiments.

Prerequisites: This course is open to students in grades 11 and 12 who have successfully completed Earth and Geological Sciences or Chemistry.

Human Anatomy and Physiology Half Year Grades 11, 12 Credit 0.5 No. 1413 This course is designed to cover the major human body systems. It is especially relevant for students who may be interested in a health related career. The goal is to provide students with a basic understanding of the structure, functions and disease process associated with the human body. Emphasis will be placed on medical terminology and procedures. Students will also

become aware of the many health- related and medical career options available for them to pursue. There are numerous lab activities integrated into this course.

Environmental Science *Half Year Grades 11, 12 Credit 0.5 No. 1416* This course explores the current state of our environment with two main goals:

1. Explore how humans interact with the environment
2. Find ways to deal with environmental problems and live more sustainably.

Students will learn about climate change, ecosystem services (both local and global), biodiversity, cycles within ecosystems and solutions to our human impacts. Students will evaluate the relative risk associated with environmental problems (both natural and man-made) and examine alternative solutions for resolving and/or preventing them.

Prerequisites: This course is open to students in grades 11 and 12 who have passed Earth and Geological Science or Chemistry.

Science in the News *Half Year Grades 11, 12 Credit 0.5 No. 1419* Students will be studying current science events of the nation and world as they happen. Multi-media will be used on a regular basis, newspapers, social media, magazines, journal articles, documentaries, etc. will be used as a basis for the course. This course will allow the students to investigate and experience learning about topics as they are occurring in our world.

PHYSICAL EDUCATION AND WELLNESS

The Carlynton High School Physical Education and Wellness program is designed to provide students with knowledge of overall health practices and lifestyle choices that promote personal health and wellbeing throughout life. All students are required to dress appropriately for physical education activities. Students will have access to the locker rooms to change into appropriate attire if need be. Lack of participation in physical education activities will result in loss of credit for the day. Appropriate attire includes:

- Athletic Shoes
- Recommended clothing attire includes t-shirts, shorts, sweatshirts, and sweatpants.

Medically Excused Students - Should a physician deem it necessary that a student must be excused for a long term medical condition an attempt will be made to place the student in modified activities with the physician's approval. Should the student be medically excused from all physical activity the student will be assigned an assignment that is aligned to the learning activities of their regular physical education class. When a student is able to return to physical activity a physician's medical release **MUST** be presented to the physical education department before any activity will be permitted.

Physical Education 9 *Half Year Grade 9 Credit 0.5 No. 2200* This course is designed for all students in grade 9 to meet the physical education requirement for graduation. Students will be able to apply sport and game strategies to complex games and physical activities as well as describe and apply the components of

health-related and skill-related fitness to movement performance. Instruction and learning activities will focus on the effects of regular participation in physical activity on adolescent health improvement, motor skill improvement, and the principles of training.

Physical Education 10-12 Half Year Grades 10 -12 Credit 0.5 No. 2202 This course is designed for all students to meet the physical education requirement for graduation. Students will be able to apply knowledge of movement skills, health-related and skill-related fitness, and movement concepts to identify and evaluate physical activities that promote personal lifelong participation. Instruction and learning activities will focus on factors that affect the responses of body systems during physical activity, the social, physiological and psychological effects of regular participation in physical activity, evaluating factors that affect physical activity and preferences of adults, the application of game strategies for different categories of physical activities. The effects of positive and negative interactions of adolescent group members, practice strategies for skill improvement, lifetime physical activity participation and the application of scientific and biomechanical principles to movement.

Wellness III Half Year Grade 9-12 Credit 0.5 No. 2204 Wellness III is required for graduation. This course evaluates factors that impact growth and development, the body systems, nutrition, addiction- including drugs, alcohol, and tobacco, prevention and control of health problems, adult health, consumer choices, and environmental factors and community health.

Strength Training I, II, or III Half year Grades 11-12 Credit 0.5 No. 2207 This course is designed for students in grades 10, 11 and 12 who wish to design, implement, and apply a strength conditioning program that can be utilized as part of a lifetime fitness plan. Emphasis in this course will be placed on the individual needs of each student and exercise programs will be tailored to meet those individual needs.

Note: This course can be taken more than once in addition to the graduation requirement of completing physical education credit requirement.

FOREIGN LANGUAGES

Spanish Dual Enrollment Courses Partnering with La Roche University Carlynton has partnered with the La Roche College Scholar Program to offer three courses as dual enrollment (Spanish III Dual Enrollment, Spanish IV Dual Enrollment and Spanish V Dual Enrollment). Students enrolled in these courses will have the ability to earn college credit for the coursework they do at Carlynton. The student must earn a "C" or better final grade in the class in order to receive three or four college credits per course. This is for work and exams provided by the high school teacher and do not require a separate exam at the end of the year. The coursework and curriculum will be the same, whether or not a student elects the college credit option. High school credits and grades will still be calculated and applied at Carlynton in either case. La Roche is currently offering college credits to students in their sophomore, junior or senior year with a 3.0 cumulative GPA at the start of the course who have also met all prerequisite classes.

The cost for the three college credits is \$200 payable to La Roche College when the class begins in the fall. This money is nonrefundable once it is processed through La Roche regardless if requirements are met for the credits. Participation in these classes will not require the purchasing of additional materials or resources. Students in the class will have the opportunity to participate in enrichment opportunities with the La Roche Foreign Language Department. If a student does not wish to earn college credit there is no cost for the Spanish III Dual Enrollment, Spanish IV Dual Enrollment and Spanish V Dual Enrollment courses. These courses are also weighted at 9 percentage points.

To request a transcript from La Roche College you must go to www.getmytranscript.com. Any fee associated with getting a transcript is the responsibility of the student.

Spanish I Full Year Grades 9 - 12 Credit 1.0 No. 1501 Spanish I is designed to introduce students to the fascinating world of learning Spanish. The ultimate goal of learning a language is to be able to communicate with different peoples and cultures foreign to our own and to function in an environment that speaks that language. Therefore, basic grammar and conversation is taught through accomplishing real world tasks in conjunction with learning about the cultures of the Spanish-speaking world. The lessons and thematic units will revolve around the ACTFL National Foreign Language Standards. The focus of this course and the program is on proficiency in the language in all areas. Emphasis is placed on further building Spanish vocabulary, oral communication in real life situations, cultural understanding and awareness, listening comprehension, writing proficiency and the skills to succeed in a Spanish II course.

Prerequisites: This course is open to students in grades 9-12 who have achieved a 70% or higher in English.

Spanish II Full Year Grades 9-12 Credit 1.0 No. 1502 Spanish II is designed to serve as a reinforcement course of what was learned in Spanish I, as well as, a building block for a more detailed language experience. The ultimate goal of learning a language is to be able to communicate with different peoples and cultures foreign to our own and to function in an environment that speaks that language. Therefore, conversation is taught through accomplishing real world tasks in conjunction with learning about the cultures of the Spanish-speaking world. The lessons will revolve around the ACTFL National Foreign Language Standards. The focus of this course and the program is on proficiency in the language in all areas. Emphasis is placed on communication skills in real life situations, reading and writing ability, cultural understanding and awareness, listening comprehension, writing proficiency and the skills to succeed in Spanish III Dual Enrollment.

Prerequisites: This course is open to students who have achieved a 70% or higher in Spanish I.

Spanish III Full Year Grades 10 – 12 Credit 1.0 No. 1503 Dual Enrollment

Spanish III Dual Enrollment is designed for those students who have successfully completed Spanish I and Spanish II. Spanish III Dual Enrollment is designed for the self-driven student of Spanish. This is a college level course between Carlynton and La Roche College. Upon successful completion of this class, with a “C” or above, you can earn Carlynton elective credits as well as four college level credits! The focus of this course and the program is on proficiency in the language in all areas. A more

detailed approach will sharpen students' skills in reading, writing, listening and oral communication in real situations, cultural understanding and awareness. Among many topics students will be introduced to bullfighting, Spanish and Hispanic art and artists of the Spanish-speaking world. The ultimate goal of learning a language is to be able to communicate with different peoples and cultures foreign to our own and to function in an environment that speaks that language. Therefore, conversation is taught through accomplishing real world tasks in conjunction with learning about the cultures of the Spanish-speaking world. Thus, we will be communicating with students in Spanish-speaking countries via email through an organization called E-PALS. The lessons will revolve around the ACTFL National Foreign Language Standards. Emphasis is placed on challenging the student to master the skills necessary to attain an "Intermediate-Mid" level of proficiency in all areas based on the ACTFL proficiency scale, the skills necessary to be successful in Spanish IV Dual Enrollment, as well as, becoming a life-long learner of Spanish.

*Summer reading is a required element of this course. Students will read one Spanish novel during the summer before this course.

Prerequisites: This course is open to students who have achieved a 70% or higher in Spanish II. (To receive college credit a student must have a cumulative GPA of 3.0 or higher and be a sophomore, junior or senior. Any student may take this course without the college credit option.) This course has a weighted grade of 9 percentage points.

Spanish IV Full Year Grades 11, 12 Credit 1.0 No. 1504 Dual Enrollment

Spanish IV Dual Enrollment is designated for the advanced Spanish student who has successfully met all requirements in Spanish I, Spanish II, and Spanish III Dual Enrollment. This is a dual enrollment college level course between Carlynton and La Roche College. Upon successful completion of this class, with a "C" or above, you can earn Carlynton elective credits as well as three college level credits!

The focus of this course and the program is on proficiency in the language in all areas. Extensive work is required in reading, writing, grammar, listening comprehension, high level oral communication, and knowledge of Hispanic and Spanish literature and art. The goal of learning a language is to be able to communicate with different peoples and cultures foreign to our own. Therefore, conversation is taught through accomplishing real world tasks in conjunction with learning about the cultures of the Spanish-speaking world. Thus, we will be communicating with students in Spanish-speaking countries via email through an organization called E-PALS. The lessons will revolve around the ACTFL National Foreign Language Standards. Emphasis is placed on challenging the student to master the skills necessary to attain an "Intermediate-Mid/Intermediate High" level of proficiency in all areas based on the ACTFL proficiency scale, the skills necessary to be successful in Spanish V Dual Enrollment, as well as, becoming a lifelong learner of Spanish.

*Summer reading is a required element of this course. Students will read one Spanish novel during the summer before this course.

Prerequisites: This course is open to students who have achieved a 70% or higher in Spanish III Dual Enrollment. (To receive college credit a student must have a cumulative GPA of 3.0 or higher and be a sophomore, junior or senior. Any student may take this course without the college credit option.) This course has a weighted grade of 9 percentage points.

Spanish V Full Year Grade 12 Credit 1.0 No. 1505 Dual Enrollment

College Spanish V Dual Enrollment is designated for the very advanced Spanish student who has successfully met all requirements in Spanish I, II, Spanish III Dual Enrollment and Spanish IV Dual Enrollment. This is a dual enrollment college level course between Carlynton and La Roche College. Upon successful completion of this class, with a "C" or above, you can earn Carlynton elective credits as well as three college level credits! Extensive work is required in reading, writing, grammar, high level oral communication, listening comprehension and knowledge of Hispanic and Spanish cooking, literature, current political, economic and social concerns. The goal of learning a language is to be able to communicate with different peoples and cultures foreign to our own. Therefore, conversation is taught through accomplishing real world tasks in conjunction with learning about the cultures of the Spanish-speaking world.

The lessons will revolve around the ACTFL National Foreign Language Standards. Emphasis is placed on challenging the student to master the skills necessary to attain an "Intermediate High/Advanced Low" level of proficiency in all areas of the language based on the ACTFL proficiency scale, as well as, becoming a life-long learner of Spanish.

*Summer reading is a required element of this course. Students will read Spanish novels during the summer before this course.

Prerequisites: This course is open to students who have achieved a 70% or higher in Spanish IV Dual Enrollment. (To receive college credit a student must have a cumulative GPA of 3.0 or higher and be a sophomore, junior or senior. Any student may take this course without the college credit option.) This course has a weighted grade of 9 percentage points.

French I Full Year Grades 8 - 12 Credit 1.0 No. 1511 This class provides an introduction to the French language and culture of French speaking countries. Emphasis is placed on listening, speaking, reading, and writing French. In it, students will communicate in French as often as possible and demonstrate an understanding of practices, products, and perspectives of cultures of French-speaking areas.

Prerequisites: This course is open to students in grades 9-12 who have achieved a 70% or higher in English.

French II Full Year Grades 9 - 12 Credit 1.0 No. 1512 This class provides further opportunity for speaking, listening, reading, and writing French. In it, students will communicate in French at a more advanced level and demonstrate a further understanding of the practices, products, and perspectives of the culture of French-speaking areas.

Prerequisites: This course is open to students who have achieved a 70% or higher in French I.

French III Full Year Grades 10 - 12 Credit 1.0 No. 1513 Dual Enrollment

This course is designed to provide more opportunities to strengthen audio-lingual skills. It will aim to increase appreciation of the French language and of the cultures of all French-speaking people. In French 3 the students will strive for satisfactory performance in listening, speaking, reading and writing. They will engage in conversations, narrations, composition writing and reading selections from a variety of target-language materials. Students will demonstrate an understanding of cultural

differences in everyday life and understand the contributions native French speakers have made to the world of art, literature and music. Students' grades will earn additional weight for this honors level course. Students will have the option of earning college credit through La Roche University's College in High School program for the coursework completed at Carlynton.

Prerequisites: This course is open to students who have achieved a 70% or higher in French 2.

French IV Full Year Grades 11, 12 Credit 1.0 No. 1514 Dual Enrollment

French 4 is a continuation and broadening of skills learned in French 3. Emphasis is placed on communication, both oral and written. French literature (poems, and stories) will be read and discussed. Students will engage in more advanced conversation, narrate events and write journal entries. They will develop a deeper awareness of the cultures of French-speaking people around the globe. French films, short videos and music will be used to increase understanding of French language and culture. Longer audio passages will be used to help develop listening skills. Students' grades will earn additional weight for this honors level course. Students will have the option of earning college credit through Duquesne University's College in High School program for the coursework completed at Carlynton.

Prerequisites: This course is open to students who have achieved a 70% or higher in French III Dual Enrollment. (To receive college credit a student must have a 'cumulative GPA of 3.0 or 'higher and be a sophomore, junior or senior. Any student may take this course without the college credit option.) This course has a weighted grade of 9 percentage points.

French V Full Year Grade 12 Credit 1.0 No. 1515 Dual Enrollment

Students will have the option of earning college credit through Duquesne University's College in High School program for the coursework completed at Carlynton. The coursework and exams will be the same whether or not the student chooses the college option. French 5 builds on the skills learned in the previous years of study. Emphasis is placed on communication for travel, in practical situations and personal relationships. Students will be challenged to speak and write at a higher level on a regular basis. French literature (poems, a novel and stories) will be read and discussed. Readings will include non-fiction passages on the art and history of Francophone countries. Students will deepen their awareness of the cultures of French-speaking people around the globe. French films, short videos and music will be used to increase understanding of French language and culture. Longer audio passages will be used to help develop listening skills.

Prerequisites: This course is open to students who have achieved a 70% or higher in French 4.

French and Francophone Cultures through Food and Film Half Year Grades 9 - 12 Credit 0.5 No. 1516

Knowledge of the French language is not necessary to enroll in this course. In 2010, UNESCO decided to classify the "French gastronomic meal" as a cultural and intangible heritage of humanity. This course will introduce students to the rich tradition of culinary arts and practices of France and Francophone countries, through the lens of film. One of France's great art forms is cuisine: but it has been influenced by the

many cuisines of its former colonies. We will explore traditional French cuisine, as well as cuisines from around the world, while we also look at the relationships between France and the Francophone world through films. Students will engage in discussions about the films and foods. Additionally, the students may create some French dishes in class. Perfect for the student who is interested in France, but has not taken language classes.

BUSINESS COURSE OFFERINGS

Accounting I Half Year Grades 9 - 12 Credit 0.5 No. 1701

Does your future include a degree in business, marketing, management, finance or maybe a medical field? No matter what field you choose, an accounting course will likely be required. Why not learn the basics of accounting first to help prepare you for a future accounting class. Accounting has many benefits, regardless of your career choice. The study of accounting is interesting and fun, yet thought-provoking. Through accounting simulations and problems, students apply their knowledge of accounting to real-world situations using online working papers. Upon completion of Accounting I, students will have the basic understanding needed to succeed in future accounting courses at the university level. Accounting I is an introduction to accounting theory and bookkeeping methods, including the theory of debits and credits, double-entry account, the use of journals and ledgers, and the maintenance of accounting records. Personal accounting topics will be discussed, also. Computers will be incorporated into practice sets and projects as well as an introduction to Excel software. This course is highly recommended for students going on to college and for those entering the workforce right out of high school.

Accounting II Half Year Grades 9 - 12 Credit 0.5 No. 1702

Give yourself the edge in future accounting courses by completing this high school accounting course. Use simulations and computer software to enhance your knowledge. This course develops a deeper knowledge of accounting procedures and techniques utilized in solving business problems. After basic fundamentals are reviewed, a more detailed approach to sole proprietorships and corporate accounting is pursued. This course is powerful and provides students with an absolute advantage over college business students who have not had access to this course. The focus in this course is on increasing accounting proficiencies from Accounting I. Accounting II will include practice sets and projects that will refine and enhance abilities in all facets of accounting. Computers will be incorporated into practice sets, projects, and detailed use of Excel.

Prerequisites: This course is open to students who have completed Accounting I with a grade of **70%** or better.

Business and Personal Law Half Year Grades 9 - 12 Credit 0.5 No. 1703

This course will enhance the student's knowledge of the law and its effect on their everyday lives. The course will explore the various facets of the law as it applies to the high school student including discussions on the law and legal problems, contracts, buyers and sellers, debtors and creditors and criminal law including discussion of current cases and court decisions.

Money and You Half Year Grades 9 - 12 Credit 0.5 No. 1704

Do you ever think about making money? Whatever your plans for the future may be, making smart decisions about money now can help turn those dreams into reality. Whether it's funding your higher education or buying your first car, a little financial planning today can make a world of difference tomorrow. And the good news is: the earlier you start making smart decisions about money, the more impact it will have on your future. Great choice for all students. This course will give you the foundational knowledge you need to make the right financial decisions, manage your money, and put it to work for you.

Digital Media Presentations *Half Year Grades 9 - 12 Credit 0.5 No. 1705*

Digital Media Presentations is designed to provide students the opportunity to learn and develop the skills necessary for effective use of many computer tools. Through hands-on activities, students will discover how to organize, analyze and most importantly create effective digital media. Students will have the choice on what web tool they chose for all assessments. The use of Google Applications will be used daily to enhance and to collaborate on student learning. All students will create their own web page to share all projects with the world. Take this class and become a pro at developing high quality stunning presentations to separate you from your competition.

Sports/Entertainment Marketing *Half Year Grades 9 - 12 Credit 0.5 No. 1706*

This course is designed to introduce the student to the world of marketing and advertising. Students will receive an understanding of the role marketing plays in the economy of the United States. This course will not only enable the student to learn about marketing and advertising techniques, but also about products, promotion, market research, selling techniques, distribution, merchandising, and public relations. This course is designed for individuals interested in a career in the field of marketing and advertising and as a foundation course for those anticipating a business major in college. Students taking this class will not only travel outside the classroom to present real life projects but guests will be brought into the classroom using 21st Century Technologies.

STEAM Innovation *Half Year Grades 9 - 12 Credit 0.5 No. 1707*

In a rapidly developing technological society, today's students are charged with finding solutions to issues that require strong communication, problem solving, critical thinking, working cooperatively with diverse groups, resolving conflicts and taking responsibility for one's own learning. The STEAM Innovation course will provide students with exposure to computer programming, mathematical reasoning and resources necessary to solve complex problems.

ART COURSE OFFERINGS

Intro to Creativity and Innovation *Half Year Grades 9 - 12 Credit 0.5 No. 1801*

What is creativity? How does innovation advance modern society? Explore the definition of creativity and multiple solutions to a single artistic problem. This semester-long elective is the **first** art course the high school student should take and

will incorporate a variety of design principles and materials in creating two and three dimensional work and making connections to real world applications.

Ceramics & Sculpture *Half Year Grades 9 - 12 Credit 0.5 No. 1802*

Think outside the picture frame! Not all artwork is confined to a flat surface. Explore the three-dimensional world and sculpture and clay. Ceramics can be functional or decorative. Clay can be used to create objects essential to daily life or mirror objects of beauty and can be manipulated by hand or using potter's wheels. Three-dimensional artists use traditional and non-traditional materials to create both miniature and monumental sculptures. This course will emphasize conceptual reasoning and consideration of material choice, craftsmanship, form, space, presentation, and context.

Prerequisite: This course is open to students after successful completion of Creativity and Innovation.

Craft and Mixed Media Half Year Grades 9 - 12 Credit 0.5 Course 1803

Craft and Mixed Media Half Year Grades 9 - 12 Credit 0.5 No. 1803 What is the difference between art and craft? What is the value of handmade items versus those that are made with machines? How do available materials affect an artist's work? Craft gets a bad rap! Leave the popsicle sticks, cotton balls, and pipe cleaners behind. Embrace hot wax in batik, pulp in paper making, and recycled materials in weaving. Learn why handcrafted items are increasingly popular in contemporary society, express modern ideas, and demand high quality craftsmanship. Prerequisite: This course is open to students after successful completion of Creativity and Innovation.

Drawing and Painting *Half Year Grades 9 - 12 Credit 0.5 No. 1804*

Where do artists get ideas for their work? Where do artists get their inspiration? How does art communicate ideas? Did you know that anyone can learn how to draw? Leonardo Da Vinci drew what he saw and then what he imagined. Vincent Van Gogh communicated intense emotion using paint. Comic books, "graphic novels," and video games all begin with drawings. Use the tools, materials, and techniques of modern masters. Collect your inspirations in a sketchbook, experiment with new materials and tools, and refine your technical skills in creating original drawings and paintings.

Prerequisite: This course is open to students after successful completion of Creativity and Innovation.

Graphic Design *Half Year Grades 9 - 12 Credit 0.5 No. 1805* Where do we see art in everyday life? How does design, advertising, and packaging influence what we do and buy today? Graphic design combines images, words, and ideas, to communicate messages to an audience. Learn to develop solutions to real world problems and combine creative thinking with a wide range of skills using traditional and contemporary tools. This course will focus on creative problem solving while exploring current technology, such as Adobe Photoshop, Illustrator, and/or InDesign.

Prerequisite: This course is open to students after successful completion of Creativity and Innovation.

World Art History Half Year Grades 9 - 12 Credit 0.5 No. 1807 World Art History is a semester-long study of art throughout time and continents. The class will move chronologically from prehistoric to present-day art. Students will conduct research, engage in class discussions, and complete projects based on art movements and eras we've reviewed in class. There is **no creation of art in this course**, and students will be expected to present a final research project at the end of the semester using MLA Style formatting.

MUSIC COURSE OFFERINGS

Senior High Chorus Half/Full Year Grades 9 - 12 Credit 0.5 - 1.0 No. 1900 Senior High Chorus is an opportunity for students to enhance their musical talents and creativity. Vocal ensemble techniques and performance techniques will be explored and developed through various styles of music. This course, along with the Boys and Girls Ensembles, give students the opportunity to experience choral singing in soprano, alto, tenor, and bass voice parts. Students will develop the ability to use and understand music language and symbols as well as performance etiquette. Students will achieve the mastery of proper vocal techniques, respond emotionally to music, learn music vocabulary, and perform individually and in cooperation with others. Students will also perform a variety of styles of repertoire and explore the relevant history and related arts. Students will learn to make critical and aesthetic evaluations and to manipulate music materials. **Participation in three scheduled school performances is required.**

Carlynton Show Choir Full Year Grades 9 - 12 Credit 1.0 No. 1915 The course is designed to provide students with an immersive and comprehensive experience in the world of show choir. Students will have the opportunity to develop their vocal performance, choreography, music theory, and stage presence to create a well-rounded

educational experience. Students will be required to participate in the Winter and Spring Choral Concerts, as well as any public performances or field trips that may occur throughout the school year.

Senior High Band Full Year Grades 9 - 12 Credit 1.0 No. 1903 This course will emphasize the elements of music with a focus on scales. The student will learn to read, perform, and manipulate the musical elements involved in the concert and wind ensemble repertoire.

Prerequisites: Senior High Band is open to all students in grades 9 through 12 who were members of the Junior High Concert Band, invited by the director to register for the course, or successfully auditioned for placement in the course.

Popular Music Ensemble Full Year Grades 9 - 12 Credit 1.0 No.1916 Explore the

vibrant and diverse world of contemporary popular music in this dynamic high school ensemble. Designed for music enthusiasts and aspiring performers, the Popular Music Ensemble course offers an exciting opportunity to develop your musical skills while immersing yourself in the world of today's most influential and engaging songs.

Class Piano Half Year Grades 9 - 12 Credit .5 No. 1917 Class Piano offers students a comprehensive introduction to the art of playing the piano. Course is self-paced and adaptable to students of all experience levels. Students will explore the world of music through the piano, developing both technical proficiency and a deep appreciation for the art of creating music.

Percussion Ensemble Half/Full Year Grades 9 - 12 Credit 0.5-1.0 No. 1905 This course will emphasize the elements of music with a focus on performance. The student will learn to read, perform and manipulate the musical elements involved in the percussion ensemble repertoire. There will be special emphasis placed upon snare, mallet, and timpani technique, in addition to a variety of auxiliary percussion techniques. Marching band members in grades 9 – 12 who play a percussion instrument **are required** to enroll in Percussion Ensemble.

Prerequisites: Percussion Ensemble is open to students in grades 9 through 12 who were members of the Junior High or Senior High Concert Band, invited by the director to register for the course, or successfully auditioned for placement in the course. Students must be able to read music and be a percussionist. ***Enrollment in the concert band is not required.***

Digital Music Production Half Year Grades 9 - 12 Credit 0.5 No. 1909 Do you like listening to music? Have you ever wondered how they create special effects in movies and video games? Do you want to create your own music? If you answered yes, Digital Music Production is for you! This course offers students an introduction to various aspects of music technology, such as digital composition and recording. Projects for the course include creating sound for a film scene, recording a podcast, music production and mixing, and individual interest projects. Don't read music or play an instrument? No problem! No prior music experience is necessary, nor will you need to perform in front of others.

Music Theory Half Year Grades 9 - 12 Credit 0.5 No. 1906 This course is for anyone interested in how music works, composition, or jazz and rock chord symbols. In addition, this class is extremely helpful to anyone planning on being a music major in college. This class will focus on harmony, chord structure, chord symbols, scale structure, use of notation software, and compositional techniques.

Prerequisites: The ability to read music is required. Enrollment in the concert band or chorus is ***NOT*** required.

Parenting and Infant Development *Half Year Grades 9 - 12 Credit 0.5 No. 2001*

This course deals with the study and care of children from prenatal development to 5 years of age. The emotional, social, physical, intellectual, and moral development of a child is studied. In addition to the regular course of study, students are required to complete an independent research project known as an Awareness Notebook. Students will be required to read and report on 10 articles dealing with parenting skills and the development of children. This course will address the needs of students according to the PA F&CS Standards 11.4.9: Child Development.

Early Childhood Development *Half Year Grades 9 - 12 Credit 0.5 No. 2002* This course is designed as a continued study of the preschool child, as well as, the emotional, social, physical, intellectual, and moral development of children beyond the age of 5 years. Emphasis will be placed upon the continued development of positive parenting skills, parenting children with special needs, and examining careers relating to children. If scheduling permits, the last six weeks of Parenting and Child Development II will be devoted to the introduction, study, planning, and operation of a nursery school. This school is known as Observation School and is open to preschoolers in the district for the purpose of allowing the high school students the opportunity to apply their acquired skills and knowledge of the developing child. This course will address the needs of students according to the PA F&CS Standards 11.4.12: Child Development.

Interior Design and Sewing *Half Year Grades 9 - 12 Credit 0.5 No. 2003* This is a one-semester course for students who are interested in interior design and decoration. The course will consist of the study of home types and planning suitable decorations and furnishings for different areas in the home. Emphasis will be placed upon color and design elements, principles of design, furniture styles, and accessory selection and placement. The student will design a floor plan and apply color schemes, fabric selection, accessories, and a general design scheme for a bedroom final project. Students will also be required to complete a project decided on collectively as a class. Students will also be introduced to basic sewing techniques. This includes choosing fabrics, patterns and implementing a project. This course will address the needs of students according to the PA F&CS Standards 9.1.12 Arts and Humanities, Visual Arts.

Independent Living *Half Year Grade 12 Credit 0.5 No. 2004* This course covers problems confronting a young adult today and becoming prepared to face the challenges of living on their own. Students will study career and workforce preparation, personal finance and money management, housing decisions and living with others, as well as decision-making skills in the areas of meal planning and setting up a household. This course will address the needs of students according to the PA F&CS Standards 11.2.12: Balancing Family, Work, and Community Responsibility.

Teen Living *Half Year Grades 9 - 12 Credit 0.5 No. 2005* This course is designed for students to prepare for their future after high school and beyond. Areas included in the course of study are food preparation, nutrition, babysitting, interior design, personal finance. Students will explore each of these areas by completing projects, activities and cooking labs to enhance their learning as well as application in their daily lives. This course will address the needs of students according to the PA F&CS Standards 11.2.9: Balancing Family, Work, and Community Responsibility.

Food Science & Nutrition *Half Year Grades 9 – 12 Credit 0.5 No. 2006* This course is for students interested in foods and nutrition. It is designed to be an in-depth study of the nutritional and food preparations skills needed by individuals and families. This course will address the needs of students according to the PA F&CS Standards 11.3.9 & 12 Food Science and Nutrition.

COMPUTER/TECH COURSE OFFERINGS

Google Applied Digital Skills *Half Year Grade 9 - 12 Credit 0.5 No. 2100* This course is an extension of the skills and web tools introduced in Technology Education/ Digital Skills 8. Students will continue to use Google Applied Digital Skills Curriculum to engage in higher level critical thinking in various areas such as implementing algorithms through code, analyzing data and graphs, creating a business report, researching differentiated topics, and collaborating with peers. Upon completion of this course, students will have finished the entire Google Applied Digital Skills Curriculum and will be eligible to take the G- Suite Professional Certification Exam.

Microsoft Digital Applications *Half Year Grades 9 - 12 Credit 0.5 No. 2107* This course is designed to prepare students for the workforce by learning how to use Microsoft Office Applications such as Word, Excel, and PowerPoint. Students will complete various training in Microsoft Virtual Academy, which emphasizes concepts and skills included on the Microsoft Office Suite Exam.

Computer Science Discoveries *Half Year Grades 9 - 12 Credit 0.5 No. 2108* Computer Science Discoveries is an introductory computer science course designed for 9th and 10th grade students. The curriculum emphasizes problem solving, creation, and collaboration, while introducing students to the many ways computer science impacts their lives. Students will use the Code.org Curriculum to explore the problem solving process, build websites in HTML and CSS, and create interactive animations and games in Javascript using Game Lab.

Interactive Animations & Games *Half Year Grades 9 - 12 Credit 0.5 No. 2114* Interactive Animations & Games is an introductory computer science course that empowers students to create authentic artifacts and engage with computer science as a medium for creativity, communication, problem solving, and fun. Students learn fundamental programming constructs and practices in the JavaScript programming language while developing animations and games in Code.org's Game Lab environment. Students will build on coding experience as they program animations, interactive art, and games in Game Lab. Students will start by coding simple shapes and will build up to more sophisticated sprite-based games, using the same programming concepts and the design process computer scientists use daily. In this course, students will develop a personalized, interactive program, as well as design their own animations and games.

Computer Science Principles *Full Year Grades 11 - 12 Credit 1.0 No. 2109* This course is a rigorous, advanced course designed to broaden participation in computer science. Built as an extension on the Computer Science Discoveries course, students will use collaboration, creativity, and computational thinking to problem solve, code and manipulate data, learn programming language, understand general principles of algorithms, and create and design computer applications that can be useful in our current society.

Prerequisite: Students must successfully complete Computer Science Discoveries Course.

Architecture *Half Year Grades 9 - 12 Credit 0.5 No. 2104* This is an advanced course for students who have intentions of becoming architects or engineers. Students will explore the methods and techniques used in designing architecture residences, both technically and aesthetically, with the use of a wide variety of media. Students will complete a variety of drawings in order to successfully construct a model of the building. Students will be required to develop a portfolio.

Engineering Essentials *Full Year Grades 9-12 Credit 1.0 No. 2110* Engineering Essentials offers students of all backgrounds the opportunity to experience this important field. The course aims to broaden participation in engineering by highlighting its impact and challenging student perceptions of the field, with a focus on exploring global engineering challenges and sustainability goals, as well as personal, societal, environmental, and economic impacts of engineering solutions. Full Year Course.

Entrepreneurial Innovations *Half Year Grades 9-12 Credit 0.5 No. 2111* Students will learn all aspects of creating goods and products using the Poster Maker, Recording Studio, Media Center, Embroidery Machine, Vinyl Cutter, Cricut Maker and Screen Printing Press. Entrepreneurial Innovations is a course where students will be able to design, create and produce goods and services using the production equipment in the Shop.

Entrepreneurship/Product Marketing *Half Year Grades 9-12 Credit 0.5 No. 2112* Entrepreneurship and Product Marketing is a course where students learn what it will take to be a successful entrepreneur and to start a business from the ground up. Students will learn how to create, promote, and operate a company. They will also practice effective leadership skills, develop problem solving and decision-making skills and practice public speaking skills. Through the development of a comprehensive business and marketing plan, students will be able to design, create, produce, promote and sell a marketable product using a specific piece of production equipment.

Prerequisite – Entrepreneurial Innovations

Robotics I *Half Year Grades 9 - 12 Credit 0.5 No. 2113* This hands-on STEAM course will introduce students to the world of Robotics. Through cooperative learning, the principles of design, construction, programming, and problem solving, students will complete step-by-step challenges that culminate in a completely programmed and functioning robot. The class would allow students to develop skills involving, but not limited to: Basic Wiring and Electronic Theory, Gear Ratios and Torque, Motor Controls, and basic Robotic Operations/Programming.

Taking Flight - Theory and Design *Half Year Grades 11, 12 Credit 0.5 No. 2116* The course is offered to 11th and 12th grade students. This is a student-driven course that will allow students the opportunity to explore and become familiar with building and flying drones. The students will practice and learn the necessary skills to be a safe and efficient remote pilot. The course will provide hands-on activities and flying.

Taking Flight 2 - Drone Flight & Navigation Half Year Grades 11, 12 Credit 0.5 No. 2117 This is the second course to the Taking Flight program. It is offered to students who have successfully completed Taking Flight!: Theory and Design. The course gives an overview of being a drone pilot, incorporates Newton's Laws of Force and Motion, explores the forces associated with flight and how they impact aviation. The course provides an opportunity for students to become familiar with drone flight and navigation.

Prerequisite: Taking Flight: Theory and Design.

PEER to PEER ELECTIVES

Prerequisites: All Peer to Peer courses are a limited enrollment course based on teacher recommendations. Acceptance will be based on application completion and an interview with the instructors. Students who are patient, mature, and supportive are encouraged to apply. Enrollment is limited. Students who wish to participate in these electives will be assigned to a particular course based on availability and student course demands.

Peer to Peer Art Half Year Grades 9 - 12 Credit 0.5 No. 1806 Would you like to make ART while helping your peers? This course follows the Peer to Peer format, focusing on inclusion and participation for students of all ability levels. Students work together and side by side to express themselves creatively in applying the basic elements of art. Individuals will have the opportunity to practice motor skills such as tracing and cutting as they explore art processes using a variety of materials.

Peer to Peer Digital & Technology Skills Half Year Grades 9 - 12 Credit 0.5 No. 2115 This course is designed for students who want to work in a peer to peer learning environment. Students will receive elective credit for this course. Emphasis will be placed on developing, improving, and enhancing the students' physical, emotional, and social interactions through partnering students with varied abilities. Students will be responsible for working with their peers on concepts of online privacy and security, digital footprints, online relationships and safe communications. The course is designed for inclusion of students with disabilities to be paired with those who want to work in a peer-to-peer learning environment. Students will follow current guidelines for inclusion in the classroom following IDEA (Individuals with Disabilities Education Act).

Peer To Peer Physical Education Half Year Grades 11-12 Credit 0.5 No. 2208 This course is designed for students who want to work in a peer to peer learning environment. Emphasis will be placed on developing, improving, and enhancing the student's physical, emotional, and social fitness through partnering students with varied abilities. Students will be responsible for participating in various lifetime fitness activities designed to assist students with challenges in these areas. Students will keep a daily journal about their experiences in the class. Benefits of this class include an expanded circle of friends, activities outside of class, and opportunities for community-based learning experiences.

Peer to Peer Practical Living Half Year Grades 9 -12 Credit 0.5 No. 2007 This

course emphasizes the study of Family and Consumer Sciences. The course may contain projects, activities, and evaluations dealing with Financial and Resource Management (PA Standard 11.1), Balancing Family, Work, and Community Responsibility (PA Standard 11.2), Food Science and Nutrition (PA Standard 11.3), and Child Development (PA Standard 11.4). The course is designed for inclusion of students with disabilities to be peer taught by those who want to work in a peer-to-peer learning environment. Students will follow current guidelines for inclusion in the classroom following IDEA (Individuals with Disabilities Education Act)

Peer to Peer Science (I or II) Half Year Grades 11, 12 Credit 0.5 No. 1412 This course is designed for students who want to work in a peer to peer learning environment. Students will receive elective credit for this course. Emphasis will be placed on developing, improving, and enhancing the students' physical, emotional, and social interactions through partnering students with varied abilities. Students will be responsible for working with their peers on concepts of science aligned to the PA Alternate Eligible Content for Science for Grade 8 or Grade 11; the areas may include complex sorting based on characteristics, living vs. nonliving characteristics, body part identification of plants and animals, animals - their habitats and food, identification and characteristics of the four seasons, identification and characteristics of bugs, relationships between Earth, Sun, Moon, star, planets, solar system, length of day/night and length of year, basic weather conditions, identification of basic landforms, motion and forces including pushing vs. pulling, people power vs. fuel powered, tools for observation and measurement. Laboratory techniques are developed through directed experiments and activities. Students will assist their peers who have varied abilities and challenges in these areas. Curriculum or placement based on an IEP team decision since it is a one to one ratio for the peer to peers.

Parkway West Career and Technology Center

Parkway programs for 2024 - 2025: CAREER MAJORS

AUTO BODY REPAIR

AUTOMOTIVE TECHNOLOGY

COSMETOLOGY

- Nail Technician License
- Cosmetology Teacher License

CONSTRUCTION TECHNOLOGY CLUSTER

- CARPENTRY
- ELECTRICAL SYSTEMS TECHNOLOGY
- HVAC/R
- WELDING TECHNOLOGY

CULINARY ARTS

CYBER SECURITY & NETWORK TECHNOLOGY

DIESEL TECHNOLOGY

GRAPHIC ARTS & PRODUCTION TECHNOLOGY

HEALTHCARE OCCUPATIONS TECHNOLOGY

- Patient Care Technician Certification
- Pharmacy Technician Certification
- Phlebotomy Technician Certification

POWER MOTORSPORTS

PUBLIC SAFETY TECHNOLOGY

SPORTS MEDICINE & REHABILITATION THERAPY TECHNOLOGY (SMARTT)

VETERINARY ASSISTANT TECHNOLOGY

PARKWAY QUESTIONS AND ANSWERS

The following questions and answers concerning Parkway West Career and Technology Center and the admission procedures may help you to make your decision about enrolling.

Q. WHO IS ELIGIBLE TO ATTEND PARKWAY WEST?

Any high school student who has demonstrated academic success in their core subject classes and meets the admission requirements is eligible to attend Parkway West. Students who do not receive a passing grade in all of their core subject classes will not be eligible to attend and can be removed from the program if not maintaining passing grades in all core subject classes.

Q. WHAT ARE THE ADMISSION REQUIREMENTS?

Students admitted to Parkway West are selected on the basis of achievement, interest, and aptitude. Typical considerations are:

School Record: Ordinarily, a "C" average; however, exceptions are made in light of mental maturity and aptitude. Algebra is helpful for some courses; however, exceptions may be made in certain areas of training where the knowledge of advanced mathematics is not necessary. **Maturity:** Students who can accept responsibility, have a cooperative attitude, and can demonstrate diligence and perseverance.

Aptitude: Students who have mechanical, numerical, spatial, and manipulative natural abilities.

Q. HOW DO STUDENTS APPLY FOR ADMISSION TO PARKWAY?

A Representative of Parkway West will present information regarding programs. Following the presentations, all students who wish to apply for admission shall request an application form from their counselor. This application must be completed and returned to the counselor before the last day of the current school year, who will forward it to Parkway for processing. **Late submissions will not be accepted.** When all admission procedures and final evaluations have been completed, students will be notified of acceptance. The responsibility of this decision rests with the Director and Guidance Coordinator of Parkway West.

Q. WHEN DO STUDENTS ATTEND PARKWAY WEST?

Students attend Parkway West for one-half day for shop and/or laboratory instruction, five days per week. Students start at Carlynton in the morning one-half day for their regularly scheduled required courses of English, Social Studies, Math, Science, and Physical Education. Students will be transported by bus to and from Parkway West by Carlynton School District. Students may participate in extracurricular activities at Carlynton.

Q. WHAT IS THE LENGTH OF THE COURSE OF STUDY?

Each Parkway West course offering is a two-, three-, or four-year program. Continuation in the course is contingent upon the achievement of satisfactory grades and attendance at **both** Carlynton and Parkway West. A full credit will be taken away for students who miss 20 unexcused days and will lose 1 credit. Students who miss 30 unexcused days will lose 2 credits and their certification.

Q. WHAT TYPE OF DIPLOMA DOES THE STUDENT RECEIVE?

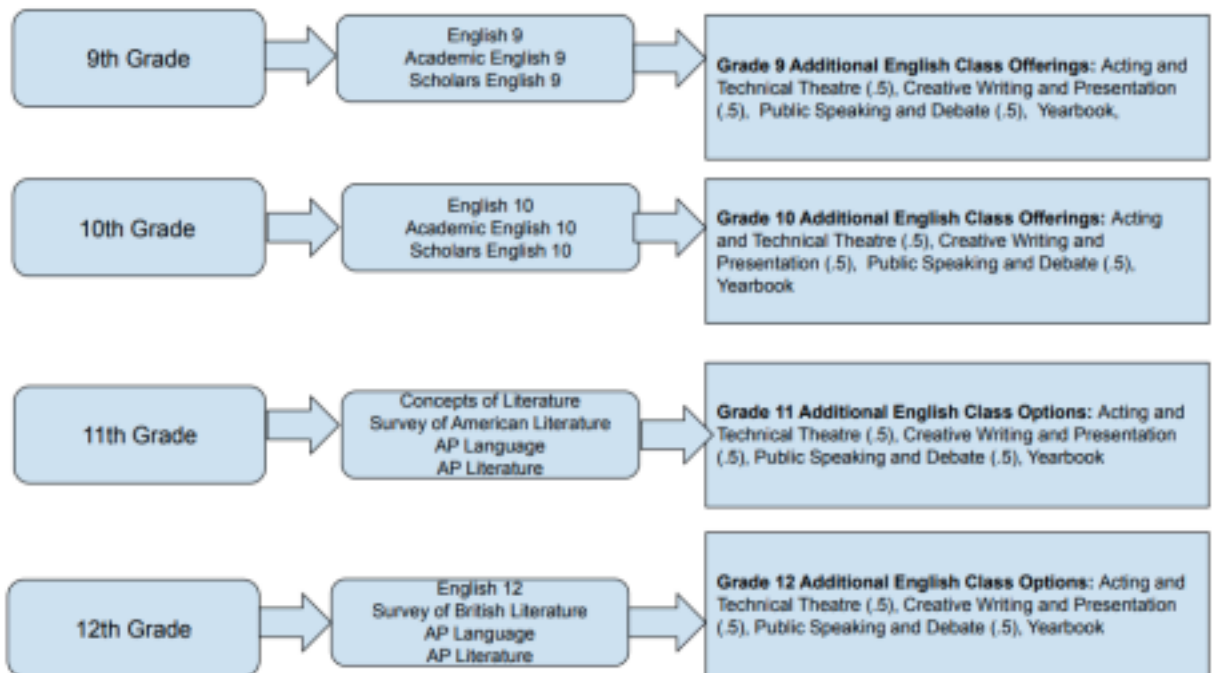
Students earning the credits from the Parkway courses and earning all the required credits from Carlynton Junior Senior High School will receive a diploma from Carlynton and a certificate of achievement from Parkway West Career and Technology Center.

APPENDIX A**Waiver Process**

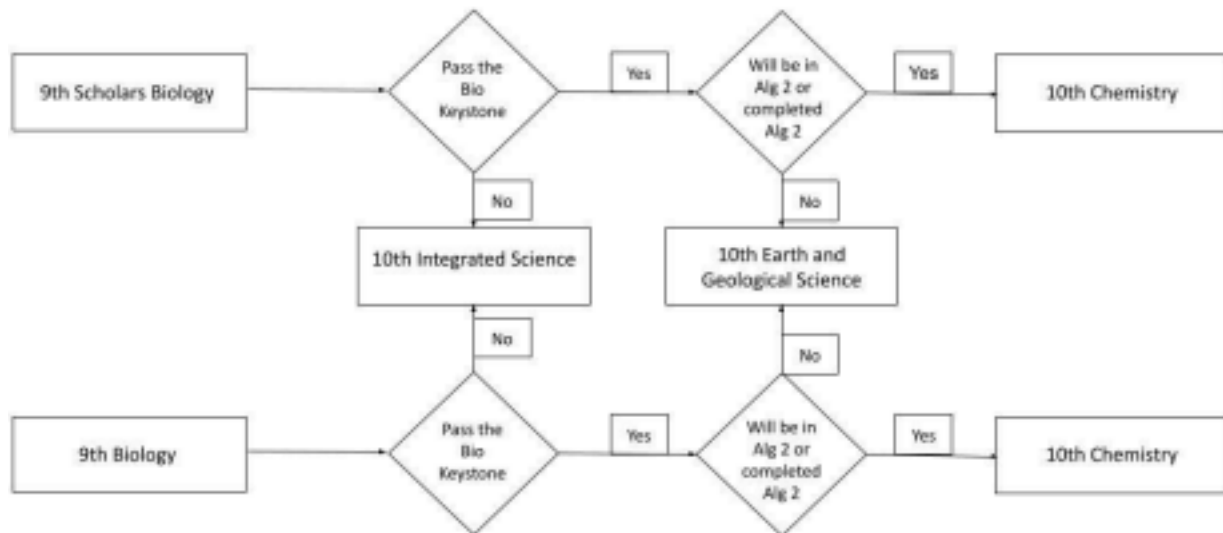
The images throughout Appendix A present flow charts with varying ways in which a student can meet the graduation requirements. Additionally, many course offerings have prerequisites and students are recommended to follow a certain sequence. The counseling staff, teachers, and administrators work to put the student in the best position to achieve academic success. If a student does not meet the prerequisites or is not recommended for a class which they desire to take, those students are to make an appointment with the building principal to begin the waiver process.

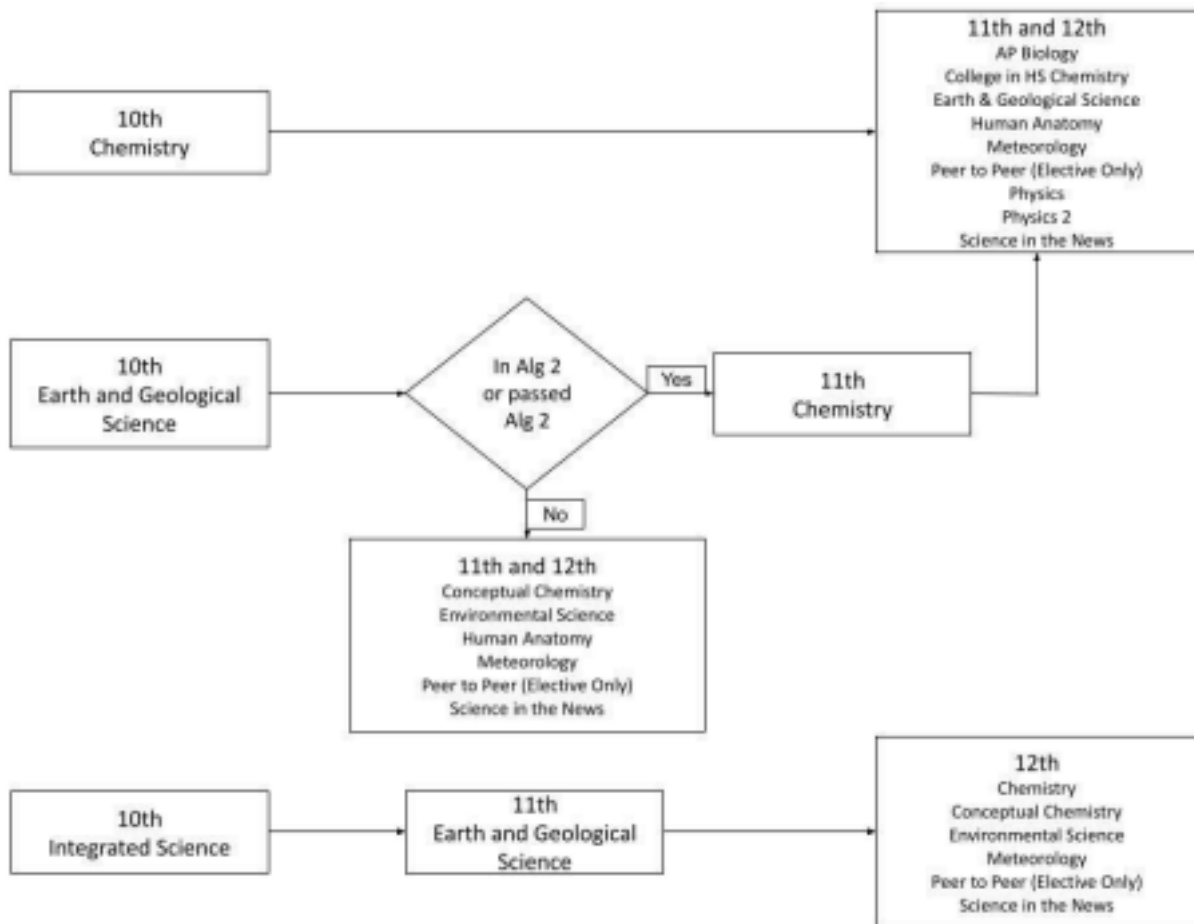
2024-2025 ENGLISH DEPARTMENT GRADE LEVEL COURSE OFFERINGS

Students are required to choose one of three choices in ninth and tenth grade. Additionally, students have the opportunity to choose from the additional English class offerings. Eleventh and twelfth grade students may choose from the English class options.

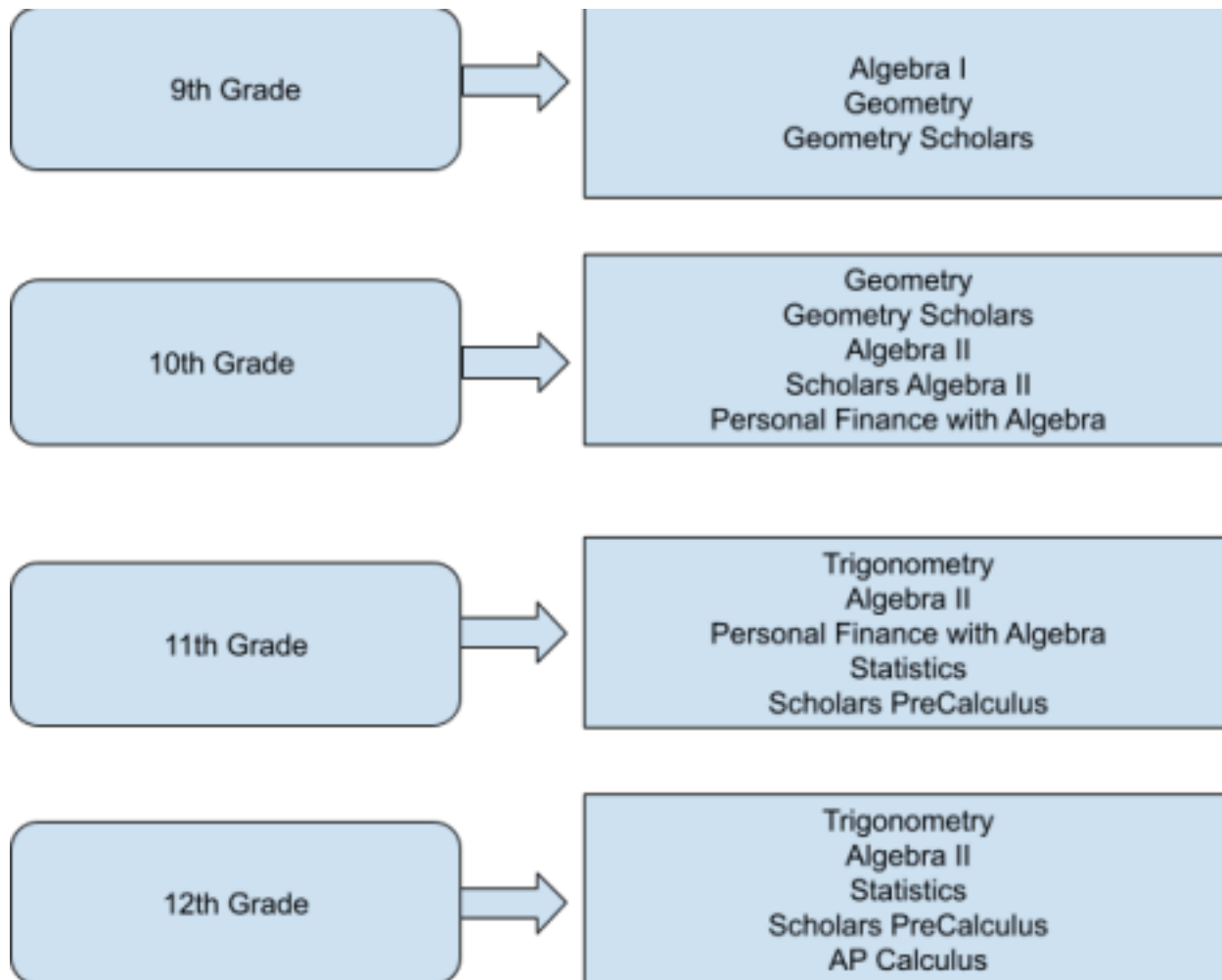


**2024 - 2025 SCIENCE DEPARTMENT
GRADE LEVEL COURSE OFFERINGS**





**2024 - 2025 MATH DEPARTMENT
GRADE LEVEL COURSE OFFERINGS**



2024 - 2025 SOCIAL STUDIES DEPARTMENT GRADE LEVEL COURSE OFFERINGS

