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**A Message from the Principal
to
Students and Parents**

This book contains all of the courses and the suggested course map for East Allegheny High School. These courses are the result of years of curricular work that took place with our faculty and took into account requirements for the Keystone Exams. The courses are aligned with the Pennsylvania Common Core State Standards and are designed to be rigorous for all students of all abilities. Many courses heterogeneously group students in order to maximize the student's ability. The Board of Education, Administration, and Faculty believe that all students can achieve and that high expectations must be established for all students to succeed. This is done to provide all students with the knowledge and skill base they will need to compete in post-secondary studies and the global economy. Providing anything less does a disservice to our students and community.

Students and parents should review the course select book carefully, and students should select courses based upon their post graduation goals. A student's past academic performance, teacher recommendation, parent and student input, test data, and administrative/counselor interpretations will determine placement in courses.

Our counselors meet with students on a regular basis to review course selection, academic progress, and to provide assistance with academic and personal issues. If you or your child is having difficulty with the scheduling process, please contact your child's school counselor immediately to help resolve the issue or answer a question.

Parents may contact their child's school counselor via email or by calling the school's main number. Students can also schedule an appointment with their counselors during the school day. It is important that students pay attention to the information provided about selecting courses and that they adhere to all deadlines for course submission.

East Allegheny High School Administration and Faculty will make every effort to work with you and your child to insure that the proper classes are selected that will best prepare your child for college or the world of work and that the curriculum will be rigorous and challenging. Please take some time to discuss with your child what courses he or she would like to take and how those courses will prepare your child for life after high school.

Betsy D'Emidio
Principal
East Allegheny Senior High School

**MINIMUM REQUIREMENTS FOR GRADUATION
STATE & LOCAL**

English	4 Credits
Social Studies	4 Credits
Science	3 Credits
Math	3 Credits
Physical Education	4 Years

FRESHMAN YEAR

English
Social Studies
Math
Science
Physical Education
Two (2) Electives/Equivalent

SOPHOMORE YEAR

English
Social Studies
Math
Science
Physical Education
Two (2) Electives/Equivalent

JUNIOR YEAR

English
Social Studies
Math
Science
Physical Education
Two (2) Electives/Equivalent

SENIOR YEAR

English
Social Studies
Physical Education
Four (4) Electives/Equivalent

MINIMUM REQUIRED CREDITS FOR GRADUATION ARE 24.

No High School diploma will be issued until all minimum credit requirements for graduation are met. This means students must earn at least a final grade of 'D' or above to earn credit for a course. If they do not earn at least 24 credits, they will not receive an East Allegheny High School diploma. **Students may not participate in the graduation ceremony unless they are receiving a diploma.** To make up required courses, consult with your School Counselor for information regarding accredited institutions where summer or evening programs are available. Fulfilling graduation requirements and any incurred tuition or cost are the responsibility of students and parents.

*The accounting of your credits is **your** responsibility. If there is doubt in your mind, arrange a conference with your counselor for clarification.

Keystone Testing

The Pennsylvania Department of Education and the East Allegheny School District require all students to take the Keystone Exams. The Keystone Exams will be given in the winter and spring of the 2018-2019 school year and assess Algebra, Biology, and English Literature/Comprehension performance. The exams will be issued to all students enrolled in the above mentioned academic areas.

Individual Keystone Exams are comprised of two modules responsible for measuring student performance specific to Pennsylvania Common Core Standards. The exams are much like finals and are designed to measure individual student retention toward specific academic content. Students will take a particular Keystone Exam in the grade that they took the course. For example, if a student takes Algebra I in 9th grade, that is the year that the student will take the Keystone Exam. The exams are scheduled to be given in January and May and will mirror the facilitated content found within the curriculum. In order to pass the exams, students must score in the proficient or advanced range on the test.

During the 2018-2019 school year, students will be required to score proficient or advanced in Algebra, English Literature, and Biology. If proficiency is not met, students will be required to participate in remedial programming. Students and parents will be informed of which exams they will be taking at the start of each school year. All students graduating in year 2020 and beyond must pass the Keystone Exams to graduate. This is a Pennsylvania State requirement.

East Allegheny High School will offer our students every available incentive to succeed on the Keystone Exams. By showing proficiency, the students will have displayed their retention of the course material and will be issued a passing grade in the form of an Administrative “D” if they have fallen short of receiving a passing grade within a specific course.

Keystone Remediation:

Students who did not pass a specific Keystone Exam(s) will have the opportunity to retake the exam(s), however, they will be required to participate in remedial programming for those Keystone subjects that they failed to score in the proficient range. **These remedial classes will be mandatory for all those who did not score in the proficient range and will supersede any elective course.**

Class Rank and Grade Point Average

At East Allegheny High School, there are two statistics reported on a student's transcript: the grade point average, and the class rank. The difference between the two is as follows:

Grade Point Average: Grade Point Average (GPA) is calculated at the end of each quarter and is shown on students' report cards. Final grades are used to calculate the GPA that is shown on the students' transcript. The GPA is "**unweighted**" in that all grades that are used to calculate this average use the same scale, regardless of whether the class is on the, Academic level, Honors level or AP level. The scale used is:

A (100% - 90%) =	4.0
B (89% - 80%) =	3.0
C (79% - 70%) =	2.0
D (69% - 60%) =	1.0
F (59% - 40%) =	0.0
Q (No credit due to attendance policy violation) =	0.0

ALL courses, including elective and Physical Education courses, are included in GPA and class rank calculation.

Class Rank: In order to distinguish between students who have taken Academic courses and those who have taken Honors or AP courses, class rank is used. The class rank, therefore, is "**weighted**" to reflect the difficulty level of students' particular schedules. The following weights are utilized in this calculation:

<u>LEVEL</u>	<u>WEIGHT</u>		
AP	A = 7.0	B = 6.0	C = 5.0
Honors	A = 6.0	B = 5.0	C = 4.0
Academic	A = 5.0	B = 4.0	C = 3.0

***Note: All elective courses, including Forbes, will receive "Academic" weight.**

By calculating class rank based on this scale, the result is a higher rank for a student who took higher-level courses than a student with lower-level courses.

For example, a student who took Academic courses in 9th grade and achieved final grades of straight A's would have a 4.0 GPA. Another student with Honors courses in 9th grade who achieved straight A's would also have a 4.0 GPA. However, to indicate that the student with the Honors courses had a more difficult schedule, he or she would be ranked higher than the student who took the Academic courses.

Sample schedules:

<u>STUDENT #1</u>		<u>STUDENT #2</u>	
Academic English/9	A = 5.0	Honors English/9	A = 6.0
Academic Civics	A = 5.0	Honors Civics	A = 6.0
Academic Algebra I	A = 5.0	Honors Geometry	A = 6.0
Academic Biology/Lab	A = <u>5.0</u>	Honors Bio/Lab	A = <u>6.0</u>
	$20.0 \div 4 = 5.0$		$24.0 \div 4 = 6.0$

For class rank purposes, the student with 6.0 weighted quality points average (WQPA), would be ranked higher in their class than the student with 5.0 weighted quality points (WQPA).

SUGGESTIONS FOR PLANNING YOUR PROGRAM

1. Become familiar with courses offered and what the courses are designed to teach. Also, know the category of the courses offered and the appropriate selection for your past performance and ability.
2. Select subjects that fulfill requirements for graduation, future education, and occupational choices. If in doubt about career goals, it is wise to select a broad base of academic subjects.
3. For students interested in careers that require college training, such as health-related professions, engineering, science, mathematics or education, a strong academic background is necessary.
4. A student who plans to continue his/her education on the college level should begin to make plans in his/her high school career. Among the critical foundations:
 - a. Enrollment in academic classes in both required and elective courses.
 - b. Participation in test taking:
 1. PSAT (grades 10 and 11)
 2. SAT (grades 11 and 12)
 - c. Knowledge of the particular entrance requirements for the college of one's choice.
 - d. Consultation with the Guidance Department regarding college plans.
5. For those interested in entering the job market immediately after high school, a firm foundation in English, Math, Science, and Social Studies is needed. Computer courses are strongly recommended.
6. Discuss possible selections with teachers, counselors, and/or administrators and your parents for guidance in making wise choices.

FAILURE OF A CLASS

1. If a student fails an academic class in a year, the student is permitted to “double up” on these credits in subsequent years in order to meet graduation requirements. Please note: a PE class that is failed during 1st semester may NOT be made up during the 2nd semester of the same school year. Similar to academic classes, a student is permitted to “double up” on a PE class in subsequent school years.
2. Summer school information is available in the guidance office. **It is your responsibility to see your counselor for credit evaluation and make ups.**
3. Please refer to the Student Handbook for information on the school district’s retention policy.

ONLINE COURSES

In the area of online course requirements, the online course would not count toward a student's grade point average. The online course will count as credit earned toward graduation only if it is taken for credit recovery of a failed course. Online courses can count as a pre-requisite course requirement for subsequent courses. A student cannot take an online course in lieu of taking the same course with a teacher here at East Allegheny. A student can take an additional online course in a topic the student failed during the course of the year as a credit recovery course. Students who wish to take a summer cyber course in order to meet a course pre-requisite must have earned a 90% as a final grade for the year in the course that he or she just finished during the regular school year and must then maintain a 90% grade average in the online course in order to advance to the next course during the regular school year.

COURSE SEQUENCE CHANGES

Please note that there are flow charts found in this book for each academic department that provide a suggested sequence for the enrollment of courses. However, the administration is aware that there are cases where a student may deviate from these sequences due to any of the following reasons:

- a. A student may “double up” on certain courses within an academic area either for credit recovery or to move up to the Honors track from the Academic track.
- b. A student has already taken and passed courses within his or her own grade level, so now may take courses outside of the suggested grade level.
- c. Students transferring in from other schools may not have taken the same courses listed within our suggested sequences and therefore, has to take something outside of grade level.

SCHEDULE CHANGES

1. Elective courses will not be changed. (Please see page 13 for clarification of the scheduling process.) Upon selecting, be absolutely sure you know what the course entails and your responsibility for that course.
2. **Student/Parent class changes will be made only during the allotted schedule change period. That time period will be from the time scheduling begins until day 5 of the new school year.** No student will be permitted to take a course for which they do not meet the course pre-requisites. Please check to make sure your meet the pre-requisites for a course before selecting it. Teachers will have the final say about course placements.

DUAL ENROLLMENT

The **Dual Enrollment Program** provides an opportunity for juniors or seniors to earn college credits while still in high school. Students must demonstrate exceptional academic performance and attendance to be approved for dual enrollment. The student and their family are responsible for meeting all financial obligations for the dual enrollment program.

Currently, East Allegheny High School participates with Carlow University's College in the High School program. Through this program, the East Allegheny School District is able to offer college credits, in addition to high school credit, for certain courses within the curriculum.

The courses currently offered for dual enrollment through Carlow's College in the High School program are:

Honors Government
Honors Psychology
Honors Calculus
College Algebra

When a student enrolls in one of these courses, they will be given the option to take the course for college credit. If they choose this option, they will be required to complete a registration form and pay the fee at the beginning of the school year. The current fee is \$60/credit (\$180 for a 3 credit course), and is subject to change by Carlow University. The course instructor will notify the student when the payment will be due. College credits will only be granted to students earning a grade of 'C' or higher. If a student chooses not to take the course for college credit, they will still earn one high school credit toward graduation, as long as a grade of 'D' or higher is earned.

NCAA ACADEMIC ELIGIBILITY REQUIREMENTS

A student who is planning to attend a Division I or Division II college and participate in athletics must meet eligibility requirements. **The NCAA, on their website at www.ncaaclearinghouse.net, provides a full explanation of these requirements.** It is the responsibility of the student to be aware of and meet these requirements. The fee is also the responsibility of the student. A student must graduate from high school. The minimum grade point average acceptable is a 2.00. Students must also take either the SAT or ACT exam. Information on these tests is located in the Guidance Office.

DIVISION I – 2016 Qualifier Requirements *Athletics aid, practice, and competition

- 16 core courses: Ten (10) core courses completed before the start of seventh semester. Seven (7) of the 10 must be in English, math or natural/physical science.
- "Locked in" for core-course GPA calculation.
- Corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.300) on Sliding Scale B.
- Graduate from high school.

DIVISION I – 2016 Academic Redshirt Requirements *Athletics aid and practice (no competition)

- 16 core courses: No grades/credits "locked in" (repeated courses after the seventh semester begins may be used for initial eligibility).
- Corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.000) on Sliding Scale B.
- Graduate from high school.

DIVISION II academic eligibility requirements are as listed below:

English 3 years

Mathematics (Algebra I or higher) 2 years

Natural or physical science (including at least one laboratory course) 2 years

Additional courses in English, mathematics, or natural or physical science 3 years

Social Science 2 years

Additional academic courses (in any of the above areas or foreign language, computer science, philosophy, or non-doctrinal religion) 4 years

DEFINITIONS OF COURSE CATEGORIES

ADVANCED PLACEMENT COURSES

Students enrolled in AP Environmental Science, AP Statistics, AP English 12 and AP U.S. History are required to take the AP exam in their respective subject areas, and the District will cover the cost of the tests. These exams are scheduled during the first two weeks of May.

The scores on the AP Exams range from 1 to 5. Generally, colleges will accept a score of 3 or above to substitute for college credit. **It is the student's responsibility to contact his or her prospective college to determine which scores they will accept.**

HONORS COURSES

Students who qualify for Honors Courses at East Allegheny High School will be expected to follow an intensive study program, which will delve into challenging areas of academic pursuit.

The entry window for Honors Courses will be prior to the beginning of the school year. No schedule changes into an Honors Course will be made after the first day of school.

ACADEMIC COURSES

These courses are primarily designed to offer a challenging curriculum to those students who have demonstrated both an aptitude and a desire to attend a four-year college, technical school or enter the workforce upon graduation.

GENERAL COURSES

These courses are designed to offer the stringency, practicality, strategies, concepts, and techniques to integrate students directly into the workforce or to permit articulation between business/industry and the classroom.

ELECTIVE COURSES

These courses are offered to students as a means of enhancing the basic academic course offerings. We offer a wide selection of courses in the areas of the arts, music, family and consumer sciences and technical offerings. Students are encouraged to explore these classes as a means of gaining a well-rounded education.

FORBES ROAD CAREER AND TECHNOLOGY CENTER

PHILOSOPHY STATEMENT

East Allegheny High School in its function to provide a comprehensive education for its entire student body works in conjunction with Forbes Road Career and Technology Center. It is the sincere hope that the combined efforts of both educational institutions will enable all participating students to acquire the necessary skills, which will allow them to take their rightful places in society.

OBJECTIVES FOR STUDENTS

Students upon completion of their academic and vocational studies at both East Allegheny High School and Forbes Road Career and Technology Center will be able to utilize the knowledge and skills gained from both institutions and to transfer them into viable employment situations.

SCHEDULING

Representatives from Forbes come to East Allegheny to speak to all ninth graders in the spring regarding the programs of study they have to offer. After that, once the scheduling process begins, a student would indicate on his or her course selection sheet if they plan to attend Forbes the following year. In addition, an application to Forbes Road CTC is also required prior to admission. Applications may be found in the Guidance Office. Students are not permitted to drop Forbes after the specified drop date. **Please refer to pages 55-58 of this booklet for a complete listing of programs.**

PERFORMANCE PROCEDURES

Performance procedures are as follows:

1. Student must adhere to attendance/discipline standards and policies at both East Allegheny and Forbes to remain enrolled at Forbes.

Students must demonstrate proper deportment and safety practices while at Forbes. Repeated violations will warrant a review that may lead to a return to the regular curriculum offered at East Allegheny High School.

COURSE SELECTION SHEET PROCEDURES

1. Students are to select six (6) courses plus physical education in the main body of the select sheet.
2. Students are then given the opportunity to select two alternative courses in the event one or more of his/her main selections are in conflict, or may not be offered.
3. Alternate choices will be used to resolve any scheduling problems.
4. Alternate selections can be made from required or elective courses.
5. If a student chooses not to select alternate choices, the administration will develop the student's schedule.

SCHEDULING PROCESS

Students should exercise extreme care in the selection of their courses. They should take advantage of every possible source of assistance and guidance.

In selecting courses, students should give serious thought to such matters as prior success and failures, pre-requisites, special interests and aptitudes, and future college and career plans. Course selections should be **firm** decisions, thoughtfully made after careful consultation with parents, teachers, and counselors. **It is our goal to have all scheduling completed prior to the close of the current school year. No class changes, including those for 2nd semester courses, will occur after day 5 of the following school year.** These measures must be undertaken because course selection changes create budgetary, scheduling, and staffing difficulties. **Students and parents should be absolutely sure they are aware of what a course entails when making their selections.**

Once the school year has started, the only class changes that will be made are those initiated by a teacher, who in his/her professional opinion, feels that a student has been misplaced and has no chance of being successful in that particular class (i.e. failing at interim time of the first marking period). Therefore, a parent who wishes to request a schedule change for a student should contact the teacher directly to discuss the schedule change. These teacher initiated class changes must be received in the guidance office by the interim of the first marking period. The requested changes must be on the proper form, found in the Guidance Office. There will be no exceptions to this procedure. The administration recognizes the need to fulfill an IEP.

NATIONAL HONOR SOCIETY

Students who excel in academics may consider joining the National Honor Society. Any student in grades 10 through 12 will be considered for membership if a teacher recommends them or if they nominate themselves for membership.

The following are the qualifications for membership:

1. All prospective members must have a 3.7 or better GPA, based on a 4.0 scale.
2. All grades that a student earns will be included in the average.
3. Student's cumulative grade point average will include all grades from the previous four nine weeks' grading periods.
4. To be eligible for membership in the National Honor Society, the prospective member must have a least two (2) Honors/AP courses.
5. Any prospective member who has a "D" or lower in any course during the previous four nine weeks will not be eligible.
6. Any prospective member who has been suspended out of school or in-school in the previous four nine weeks will not be eligible.
7. Once a student has been nominated and it has been determined that he or she is eligible for membership, an application **must** be completed and submitted for review.
8. All prospective members must agree to abide by the NHS Chapter By-Laws.

**ENGLISH DEPARTMENT
ADVANCED PLACEMENT COURSES**

COURSE NO.	COURSE NAME	GRADE	COURSE TYPE
0005	ENGLISH	11	Pre-AP

This course, designed for students with superior language arts abilities, will prepare students for college level English courses and the Advanced Placement test during their senior year. Students will be required to read widely and deeply, with an emphasis on the works of American and British authors. Students should expect homework every night; therefore, exemplary study skills are essential. Students will need to devote a substantial amount of time to this course in order to be successful. The completion of the summer reading component is mandatory.

Prerequisites for admittance to this course:

- 85% or higher in the student's current Honors English course
- A score of Advanced or Proficient on the Keystone Literature Exam
- Students who do not meet this grade requirement may be admitted at the discretion of the teacher.

0010	ENGLISH	12	AP
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This course will prepare students for college level English and for the Advanced Placement English Literature and Composition Examination, which students will take in May. Many colleges offer credit for a score of "3" or above on the exam. Class will focus on the analysis of modern and classical literature through discussion and writing. Emphasis will be placed on refining students' oral and written communication skills. Students should possess a love of reading, as they will be required to read widely and deeply, with an emphasis on the works of American and British authors. Students should expect homework every night; therefore, exemplary study skills are essential. Students will need to devote a substantial amount of time to this course in order to be successful. The completion of the summer reading component is mandatory.

Prerequisite for admittance to this course:

- 85% or higher in Pre-AP English
- A score of Advanced or Proficient on the Keystone Literature Exam
- Students who do not meet this grade requirement may be admitted at the discretion of the teacher.

**ENGLISH DEPARTMENT
HONORS COURSES**

COURSE NO.	COURSE NAME	GRADE	COURSE TYPE
0015	ENGLISH	9	HONORS

This course, which focuses on studying literature of various genres, is designed for students who possess superior language arts ability. Throughout the year, students will read and analyze poems, short stories, novels and plays from classical and contemporary writers. Students will enhance their reading comprehension, writing, grammar, communication and vocabulary skills. Students will also complete a research project and write multi-paragraph compositions. Completion of the summer reading component is mandatory.

Prerequisite: Students applying for admission to this course must satisfy the criteria listed below.

1. A grade of 90% or higher in the student’s current English and Reading course.
2. Students must achieve a score of “Advanced”/”Proficient” on the 8th grade PSSA Reading Test
3. Students must maintain a grade of 85% or higher to remain in Honors English the next year.
4. Students who do not meet this grade requirement may be admitted at the discretion of the teacher

0025	ENGLISH	10	HONORS
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This course is designed for students who possess superior language arts ability. Students will refine comprehension, critical thinking, vocabulary, and grammar skills while reading a variety of World Literature. Additional genres of literature will be assigned, read independently, discussed, and assessed during the course of the school year. Writing and speaking skills will be emphasized through multi-paragraph compositions, as well as the completion and presentation of a rigorous informative research project.

Finally, this class entails a summer reading component that is mandatory and must be completed and turned-in the first day of school. Students who fail to submit the summer assignment will not be able to proceed with the class.

Prerequisite: Students applying for admission to this course must satisfy the criteria listed below.

1. A grade of 90% or higher in the student’s current English course
2. Students must maintain a grade of 85% or higher to remain in Honors English the next year.
3. A score of Advanced or Proficient on the Keystone Literature Exam
4. Students who do not meet this grade requirement may be admitted at the discretion of the teacher

**ENGLISH DEPARTMENT
HONORS COURSES (CONT.)**

COURSE NO.	COURSE NAME	GRADE	COURSE TYPE
0035	ENGLISH	11	HONORS

This course is designed for those students who have a sound and thorough knowledge of the language arts. This course will focus on selected readings in American Literature, with an emphasis on analytical techniques. Completion of the summer reading component is mandatory.

Prerequisite: Students applying for admission to this course must satisfy the criteria listed below.

1. A grade of 90% or higher in the student's current English course.
2. Students must maintain a grade of 85% or higher to remain in Honors English the next year.
3. A score of Advanced or Proficient on the Keystone Literature Exam
4. Students who do not meet this grade requirement may be admitted at the discretion of the teacher

0045	ENGLISH	12	HONORS
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This course is designed for seniors who possess superior language arts abilities. Using British Literature as a focus, students will refine literal, analytical and evaluative comprehension skills. Writing and speaking skills will also be emphasized: students will write several multi-paragraph compositions, prepare several oral reports, and complete a research project. Completion of the summer reading component is mandatory. Additional independent reading projects will be assigned during the school year.

Prerequisites: Students applying for admission to this course must satisfy the criteria listed below.

1. A grade of 90% or higher in the student's current English course.
2. Students must maintain an 85% or higher if prior course was an Honors course.
3. A score of Advanced or Proficient on the Keystone Literature Exam
4. Students who do not meet this grade requirement may be admitted at the discretion of the teacher

**ENGLISH DEPARTMENT
ACADEMIC COURSES**

COURSE NO.	COURSE NAME	GRADE	COURSE TYPE
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0064	ENGLISH	9	ACADEMIC
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This course, designed for students who possess satisfactory language arts ability, focuses on reading and analyzing literature of various genres. Throughout the year, students will read poems, short stories, novels and plays from classical and contemporary writers. Students will enhance their reading comprehension, writing, grammar, communication and vocabulary skills. Students will also complete a research project and write multi-paragraph compositions.

Prerequisites: Students applying for admission to this course must satisfy the criteria listed below

- A grade of 70% or higher in current English course
- A score of Advanced, Proficient, or Basic on the Keystone Literature Exam

0074	ENGLISH	10	ACADEMIC
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Using World Literature as a focus, students will improve and enhance comprehension, critical thinking, vocabulary, and grammar skills. Additional genres of literature will be read and discussed as a class through whole group instruction and assessment. Writing and speaking skills will be emphasized through a variety of writing assignments as well as the completion and presentation of a collaborative research project.

Prerequisites: Students applying for admission to this course must satisfy the criteria listed below

- A grade of 70% or higher in current English course
- A score of Advanced, Proficient, or Basic on the Keystone Literature Exam

0084	ENGLISH	11	ACADEMIC
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Through the study of American Literature, the student's comprehension and ability to critically analyze literary works are further developed. In addition, vocabulary study, grammar and usage review, reading out of class novels, and multi-paragraph compositions are components of the course.

Prerequisites: Students applying for admission to this course must satisfy the criteria listed below

- A grade of 70% or higher in current English course
- A score of Advanced, Proficient, or Basic on the Keystone Literature Exam

0094	ENGLISH	12	ACADEMIC
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Through the study of British Literature, the skills of critical reading and writing will be refined. Students will be expected to complete several multi-paragraph compositions, to prepare an extensive research project and to complete independent reading assignments. Speaking skills will also be emphasized with the completion of several speeches and oral presentations. Vocabulary and grammar skills will also be components of the course.

Prerequisites: Students applying for admission to this course must satisfy the criteria listed below

- A grade of 70% or higher in current English course
- A score of Advanced, Proficient, or Basic on the Keystone Literature Exam

**ENGLISH DEPARTMENT
GENERAL COURSES**

COURSE NO.	COURSE NAME	GRADE	COURSE TYPE
0113	ENGLISH	9	GENERAL

This traditional course satisfies the English requirements for ninth graders. The primary focus of the course will be the mastery of reading, writing, speaking, and listening skills as they pertain to proficiency on the Keystone Literature Exam. It will provide a survey of several genres of fiction, specifically poetry, drama, short stories, and novels. Students will develop critical reading skills and will write multi-paragraph constructed responses. A review of grammar and usage will be provided.

0123	ENGLISH	10	GENERAL
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This traditional course satisfies the English requirements for tenth graders. The primary focus of the course will be the mastery of reading, writing, speaking, and listening skills as they pertain to proficiency on the Keystone Literature Exam. It will provide a survey of World Literature. Students will develop critical reading skills and will write constructed responses. A review of grammar and usage will be provided.

0133	ENGLISH	11	GENERAL
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This traditional course satisfies the English requirements for eleventh graders. The primary focus of the course will be the mastery of reading, writing, speaking, and listening skills as they pertain to proficiency on the Keystone Literature Exam. It will provide a survey of American Literature. Students will develop critical reading skills and will write multi-paragraph constructed responses. A review of vocabulary, grammar and usage will be provided.

0143	ENGLISH	12	GENERAL
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This traditional course satisfies the English requirements for twelfth graders. The primary focus of the course will be the mastery of reading, writing, speaking, and listening skills as they pertain to proficiency on the Keystone Literature Exam. It will provide a survey of British Literature. Students will develop critical reading skills and will write multi-paragraph constructed responses. A review of grammar and usage will be provided.

8090	ESL ENGLISH	9-12	GENERAL
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This course for English Language Learners (ELLs) is designed to parallel the English courses offered in the mainstream classes. A focus is placed on the four domains of language: reading, writing, speaking and listening. Students will read and respond to level-appropriate story selections and work to develop oral and written competence in English. Students will participate in a "process over product" approach to writing in which students will receive guided practice across each step of the writing process. Content will be made comprehensible through a variety of theory-based strategies for ELLs, including the use of scaffolding through images, gestures, technology, and inquiry-based learning.

**ENGLISH DEPARTMENT
ELECTIVE COURSES**

COURSE NO.	COURSE NAME	GRADE	COURSE TYPE
0201	JOURNALISM I	9-12	ELECTIVE

This elective course explores careers in journalism while developing skills needed in the profession. Students will learn various journalistic writing styles to compose hard news, various features, critical reviews, editorials, columns, etc. for class and the school newspaper. Students will use various researching techniques such as observation, interviews and Internet searching. They will be responsible for the school's newspaper, and other student news productions depending on ability levels.

Prerequisite: Students wishing to enroll in this course must have "80%" average in their current English class.

0202	JOURNALISM II	10-12	ELECTIVE
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This elective course is designed for students who successfully completed Journalism I with an average of 85% or above. Students will continue to master the writing skills necessary for a career in journalism while taking on the responsibilities of planning the content, editing the writing, and designing the layout of the school newspaper.

0203	JOURNALISM III	11-12	ELECTIVE
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This elective course is designed for students who successfully completed Journalism II with an average of 90% or above. Students will continue to master the writing skills necessary for a career in journalism while taking on the major responsibilities of planning the content, editing the writing, and designing the layout of the school newspaper.

0204	JOURNALISM IV	12	ELECTIVE
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This elective course is designed for students who successfully completed Journalism III with an average of 90% or above. Students will continue to master the writing skills necessary for a career in journalism while taking on the major responsibilities of planning the content, editing the writing, and designing the layout of the school newspaper.

**ENGLISH DEPARTMENT
ELECTIVE COURSES (CONT.)**

COURSE NO.	COURSE NAME	GRADE	COURSE TYPE
0205	FILM ANTHROPOLOGY (SEMESTER COURSE)	9-12	ELECTIVE

This semester course will challenge students to look at the social, political, and economical influences of classic American film. Units will be organized by genre: epic, western, romance, crime, science fiction, and drama. Students will study the cultural effects of these films. Assessment will be determined by student presentations based on anthropological research. Students will give speeches and write essays that demonstrate knowledge and mastery of each genre. Quizzes and class participation will also be included.

0206	CLASSICAL MYTHOLOGY (SEMESTER COURSE)	10-12	ELECTIVE
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This semester course will introduce the student to major Greek and Roman myths. Students will understand how these myths shaped and were shaped by the cultures of classical antiquity. Students will be able to recognize the importance of mythology in literature and art. Students will be graded on four major exams, regular quizzes on assigned sections, and positive classroom participation.

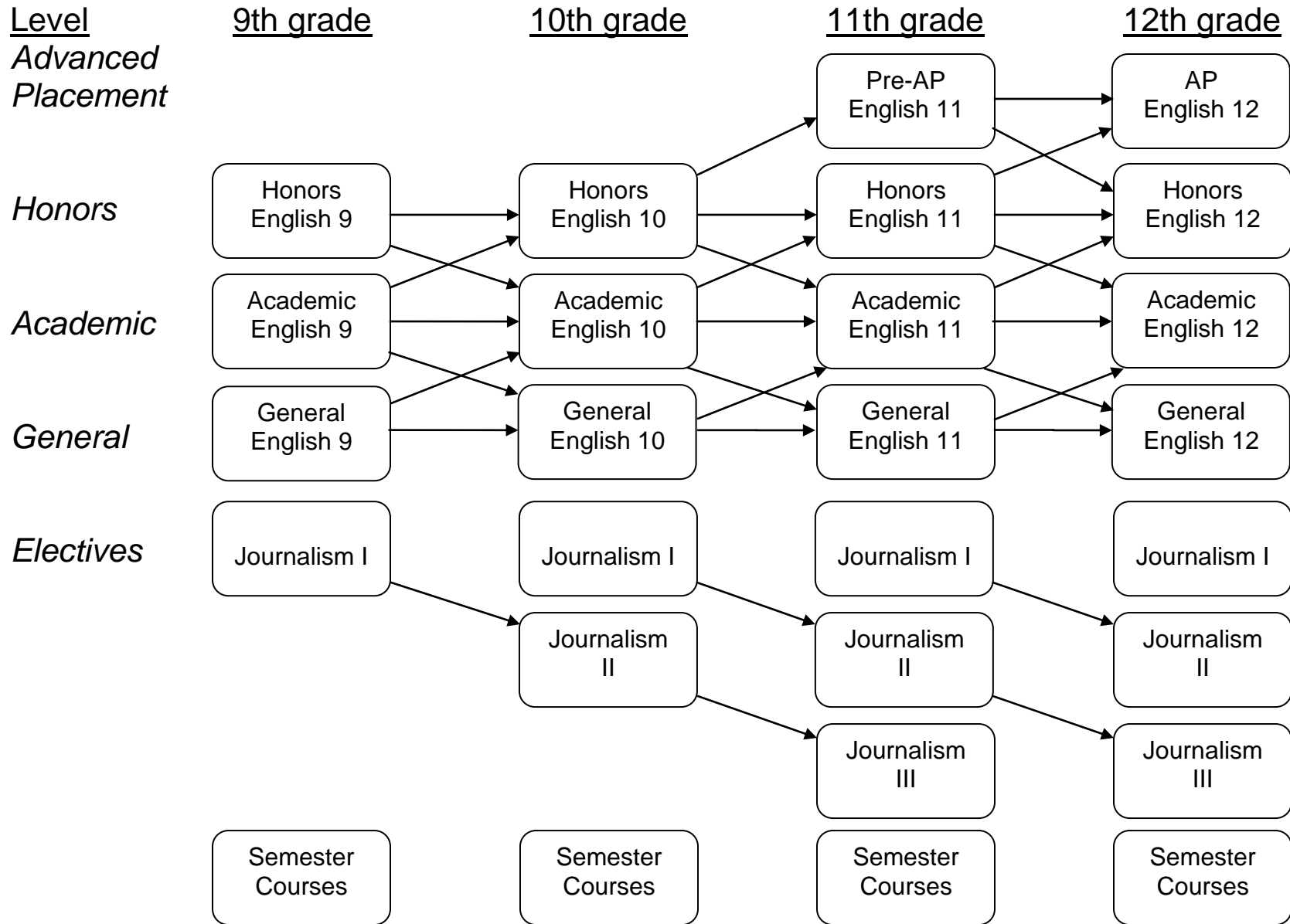
0207	CREATIVE WRITING (SEMESTER COURSE)	10-12	ELECTIVE
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A course designed for those who want to express and finesse their creative sides in writing. Although this course is predominately a writing course, students will also read some literature to use them as models. Students will observe what other authors do well in order to strengthen their own creative writing abilities. They will write short stories, poems, plays, and creative essays.

0208	CRIME FICTION (SEMESTER COURSE)	10-12	ELECTIVE
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This semester course will introduce the student to crime fiction. A crime is a violation against the laws of society: however, most crimes have a direct impact upon a single person or a limited number of persons. A detective is brought in to solve crimes, especially mysterious crimes. The student will focus on the relationship between the criminal, victim, and the detective. Students will be graded on a weekly reading journal, short answer quizzes, essay tests, and positive classroom participation.

English Department



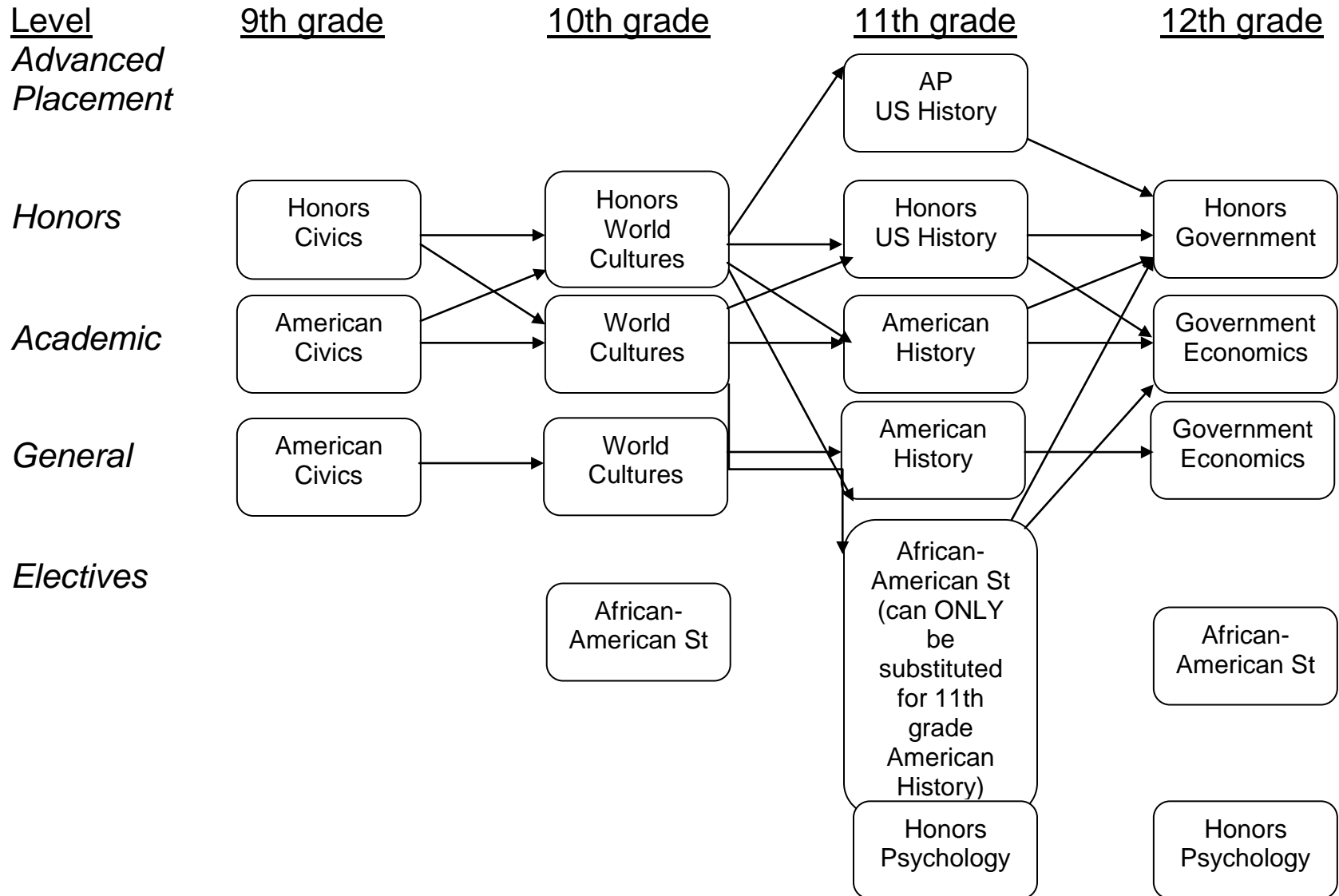
SOCIAL STUDIES DEPARTMENT

The Social Studies Department is charged with preparing students to become citizens for life in a multi-cultural technological world in the 21st Century. Students must be aware of the strengths and weaknesses of themselves and others and to be able to cooperate in order to solve the complex problems confronting society today. They must be adaptable, tolerant, and able to work with others. To facilitate this goal, the Social Studies Department offers a three-tiered, four-year program.

Students may enroll in AP, Honors, or Academic Social Studies Courses according to availability by grade level. These courses will emphasize the development of vocabulary; require extensive reading of complex materials with reaction in written and oral presentations.

Comprehensive Social Studies is a four-year program. Each required course is a part of this program. In today's career-oriented world, Social Studies disciplines such as History, Geography, Economics, Sociology, and Government provide depth and scope for making decisions. Learning how to learn is a goal of the Social Studies Program. Students will engage in a variety of learning experiences including the use of media and other technology as well as traditional written materials for research and observation. Students can expect to make written, oral and media-centered presentations and exhibit samples of their work.

Social Studies Department



**SOCIAL STUDIES DEPARTMENT
ADVANCED PLACEMENT COURSE**

COURSE NO.	COURSE NAME	GRADE	COURSE TYPE
1000	US HISTORY	11	AP

This course will prepare students for college level History classes and for the Advanced Placement US History Examination, which students will take in May. Many colleges offer credit for a score of “3” or above on the exam. Class will focus on the analysis of American History through discussion and writing. Emphasis will be placed on refining students’ analytical, oral, and written communication skills. Students should expect homework every night; therefore, exemplary study skills are essential. Students will need to devote a substantial amount of time to this course in order to be successful. The completion of the summer reading component is mandatory.

Prerequisites:

- 90% or higher in the student’s current Social Studies course
- A score of “Advanced” on the tenth grade Literature CDT test section
- Recommendation of 10th grade Social Studies teacher

HONORS COURSES

COURSE NO.	COURSE NAME	GRADE	COURSE TYPE
1001	GOVERNMENT & ECONOMICS IN AMERICA	12	HONORS*

This College in the High School curriculum is divided into two parts. The first 27 weeks will be a comprehensive study of American Government and citizenship. The following subjects will be included in the course: use of newspapers to explain current political problems in our society; the United States Constitution; equal protection under the law; how Congress and State Legislatures make laws; State and Federal Court systems; voting procedures in the United States; the function of the President and governors; and the function of counties, municipalities and school districts in local government. Students will be required to complete semester projects and to do extensive outside readings and written work

The last quarter will be a comprehensive study of Economics focusing on theoretical and practical aspects of this discipline. Students will be engaged in the theoretical aspects of supply, demand, price, and the business cycle, plus the practical aspects of credit, investing, and consumer spending. The application of theory to the practical is an important aspect of this course. The student will participate in a series of economic labs to ensure that the application of theory to practical uses will be maximized.

College Credits for this course are through Carlow University and are \$60 a credit (subject to change by Carlow) (3 credits = \$180)

Prerequisites:

- A 90% or higher in the previous academic social studies class taken
- An 85% or higher in the previous honors social studies class taken
- A recommendation from the 11th grade social studies teacher

HONORS COURSES (continued)

COURSE NO.	COURSE NAME	GRADE	COURSE TYPE
1002	US HISTORY	11	HONORS

American History is an accelerated and enriched study of American History from the beginning of Reconstruction (with a review of the Civil War) to the present. It will prepare students for college level History classes and learning at an accelerated pace with less review. Major social, political, and economic events are discussed in relation to America's role in the larger world. The class will focus on analyzing and comparing parts of American History through discussion, independent research, classroom presentations and writing. Students should expect homework nightly; therefore, Honors American History is intended for accelerated and self-motivated students. Students will need to devote time to reading and studying in order to be successful.

Prerequisites:

- 90% or higher in the student's current academic Social Studies course
- 85% or higher for students in 10th grade Honors World History

1003	WORLD CULTURES	10	HONORS*
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World Cultures is an honors level course that strives to develop an appreciation of the world we live based on its historical and cultural foundations. This course, designed to make students life-long learners, increases an appreciation of how cultures develop by implementing an interdisciplinary approach to learning. The World Cultures curriculum is intricately tied to both the literature/arts and the process skills component of the sophomore level of the Scholars' Center for the Humanities. It is designed to prepare students to link historical events to literature, art, architecture, philosophy, poetry, and the politics of a wide variety of cultures from the start of the earliest civilizations to present day.

This full year course prepares students to develop higher level critical thinking skills, incorporate primary source readings, use analytical discussion to predict possible outcomes, and manipulate a wide range of research techniques to aid in presentation skills within the classroom. This student-centered course is aimed at grooming students to be able to discern pertinent information in the formulation of cogent projects to understand and compare cultures

World Cultures is an honors level course for sophomores dealing with the historical and cultural foundations of civilization. Students will be engaged in various activities designed to display the link between the past and present. Activities are designed to challenge students to go beyond the text and discern important concepts of themes within each unit

Students can expect to participate in the following activities: oral presentations, written examinations, debates, role playing, technology-based projects, historical film studies, document based questions and primary sources

Prerequisites:

- 90% in Academic Civics class and teacher recommendation
- 85% in Honors Civics class and teacher recommendation

1004	CIVICS	9	HONORS*
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Honors Civics is an honors level course for freshmen designed to challenge students to develop an understanding of various concepts and involvement in citizenship and government. Students will be introduced to federal, state and local governments, gain knowledge of citizenship duties and responsibilities, as well as a survey of Pennsylvania History and current events in this full year course. Students will engage in various activities designed to apply rigorous written and oral skills that go beyond the text and are relevant to their civic duties. Students can expect to participate in the following curriculum based activities: written examinations, oral presentations, use primary source documents, writing document based essay questions, discussion/debates, technology based projects, historical film studies, webquests, map, table and graph activities.

Prerequisites:

- 90% in 8th Grade History
- Teacher recommendation (HS or MS)

***An 85% grade average must be maintained to continue in the Honors track**

**SOCIAL STUDIES DEPARTMENT
ACADEMIC COURSES**

COURSE NO.	COURSE NAME	GRADE	COURSE TYPE
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1005	AMERICAN CIVICS	9	ACADEMIC
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This course approaches Civics in a theoretical, academic, and practical nature. Students will be introduced to the federal, state, and local governments. The students will gain the knowledge to become productive citizens. The students will also learn to appreciate their civic duties. The curriculum will include written and oral exercises, quarterly projects, reading assignments, current event activities, discussion skill exercises, map, table, and graph reading activities. The groundwork for research paper writing will be laid through instruction and practice.

Prerequisite:

- Recommendation from previous social studies teacher

1015	WORLD HISTORY & CULTURES	10	ACADEMIC
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Students will study the history of major world cultures. As the world grows more interdependent, it is imperative that people understand each other. The growth of civilization will be emphasized in a series of activities designed to promote an understanding of present day events. Students will examine, compare and contrast the geographical and cultural aspects of civilizations in historical context. They will also investigate political, economic and social aspects of world cultures. The activities will include written and oral reports, projects, reading assignments including primary and secondary source material, discussion, map, table and graph reading activities.

Prerequisite:

- Recommendation from previous social studies teacher

1025	AMERICAN HISTORY	11	ACADEMIC
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This course is designed to examine the history of the United States (1865 to the present) starting with the Reconstruction Era, Gilded Age, and Western Expansion. The majority of the class will emphasize the 20th Century through investigating how the American Economic, Political and Social systems have changed during the history of the United States. The student will be able to recognize the roots of today's society, political system, and economy in the study of the American past. The student must be a self-motivated learner willing to follow a rigorous course of study that will be evaluated through oral discussions, objective tests and written essays.

Prerequisite:

- Recommendation from previous social studies teacher

1035**GOVERNMENT &
ECONOMICS IN AMERICA****12****ACADEMIC**

The Academic 12th Grade Social Studies Course is divided into two parts. The first three marking periods will be a comprehensive study of American Government and citizenship. The following subjects will be included in the course: use of newspapers to explain current political problems in our society; the United States Constitution; equal protection under the law; how Congress and State Legislatures make laws; State and Federal Court systems; voting procedures in the United States; the function of the President and governors; and the function of counties, municipalities and school districts in local government.

The final marking period will be a comprehensive study of Economics focusing on theoretical and practical aspects of this discipline. Students will be engaged in the theoretical aspects of supply, demand, price, and the business cycle, plus the practical aspects of credit, investing, and consumer spending. The application of theory to the practical is an important aspect of this course. The student will participate in a series of economic labs to ensure that the application of theory to practical uses will be maximized.

Prerequisite:

- Recommendation from previous social studies teacher

8091**ESL-SOCIAL STUDIES****9-12****ACADEMIC**

This course accommodates ESL students as they become familiar with American culture, as well as the school culture. Culturally relevant pedagogical practices will enable students to share aspects of their native culture and compare and contrast them to American culture. Students will further develop their English communication skills in relation to the Social Studies topics of civics, citizenship, history, and geography. Close attention will be paid to students' ongoing development of academic language. Cross-curricular connections will be made to ESL-English.

**SOCIAL STUDIES DEPARTMENT
GENERAL COURSES**

COURSE NO.	COURSE NAME	GRADE	COURSE TYPE
1040	CIVICS	9	-----

This course is a multifaceted approach to teaching Civics. Students will be introduced to the federal, state, and local governments. The students will gain the knowledge to become productive, active citizens. The students will also learn how to participate in civic duties. Students will be expected to read primary source documents, analyze different points of view, develop communication skills, interpret maps and drawings, and write about historic people and events. Writing skills will be practiced and used during instruction.

1050	WORLD HISTORY & CULTURES	10	-----
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Students will study the history of major world cultures. The growth of civilization will be emphasized in a series of activities designed to promote an understanding of present day events. Students will examine reading assignments including primary and secondary source material, discussion, map, table, and graph reading activities.

1060	AMERICAN HISTORY	11	-----
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American History will examine the history of the United States (1865 to the present) starting with a review of the Civil War, Reconstruction Era, Gilded Age, and Western Expansion. Then the majority of the class will emphasize the 20th Century to allow the students to reach an understanding of the important political, economic, social, and cultural changes that have shaped the United States and influenced a modern society. Highlights include: Progressive Era, World War I, The Great Depression, World War II, The Cold War including Korea and Vietnam, Civil Rights Movement, Gulf War and the War on Terror. Present day events will also be included on a regular basis. The class will emphasize reading through varied teaching strategies and assessments to reach individual learners.

1070	GOVERNMENT & ECONOMICS IN AMERICA	12	-----
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This 12th grade social studies course is divided into two parts. The first three marking periods will be a comprehensive study of American Government and citizenship. The following subjects will be included in the course: types of world governments, the American Constitution, and the three branches of the American Government (Legislative, Executive, and Judicial).

The final marking period will introduce the study of Economics. Students will examine to following topics through varied individual and group activities: Types of Economic Systems, Features of the US Economy, Scarcity and Choice, Opportunity Cost, Supply, and Demand.

**SOCIAL STUDIES DEPARTMENT
ELECTIVES**

1101 HONORS PSYCHOLOGY 11-12 ELECTIVE

This is a College in the High School Course taught through Carlow University. This course is designed for students who plan post-secondary training in fields that involve human behavior such as business, medicine, sales, law or education. Human behavior is studied with emphasis on personality development, mental health, emotional growth, learning theories, as well as dreams and ESP. Students will be asked to keep a notebook of personal investigation as well as an academic notebook. Human behavior will be studied on both a personal as well as an academic level. Students will be required to complete semester projects and to do extensive outside readings and written work.

College Credits for this course are through Carlow University and are \$60 a credit (subject to change by Carlow) (3 credits = \$180)

Prerequisites:

- A 90% or higher in the previous social studies class taken
- A recommendation from the previous social studies teacher

1102 AFRICAN-AMERICAN STUDIES* 10-12 ELECTIVE

This course will examine the accomplishments and struggles of Black Americans from roots in Africa through the Civil Rights Era of the 20th Century with a special focus on the Western Pennsylvania experience. Scholars, entertainers, athletes, businessmen and ordinary people have stories to tell. Students will engage in activities that are designed to understand present events in their historical context. Activities will include biographical investigations, written and oral reports, projects, computer research, role-playing, class discussion, interactions with African American professionals, reading assignments, and homework.

***African-American Studies will be permitted to be substitute for the 11th grade Academic American History course.**

MATHEMATICS DEPARTMENT

The East Allegheny math department has adopted the Pennsylvania Core Standards. The goal of the Mathematics Department is to provide all students an opportunity to learn the mathematics they will need to be productive citizens. Today's students will live their lives in a world far more technologically advanced than what is in place presently. With continual progress in the field of mathematics and technology, this generation will be required to know more mathematics than ever before and will need to apply this knowledge to their daily lives and future careers.

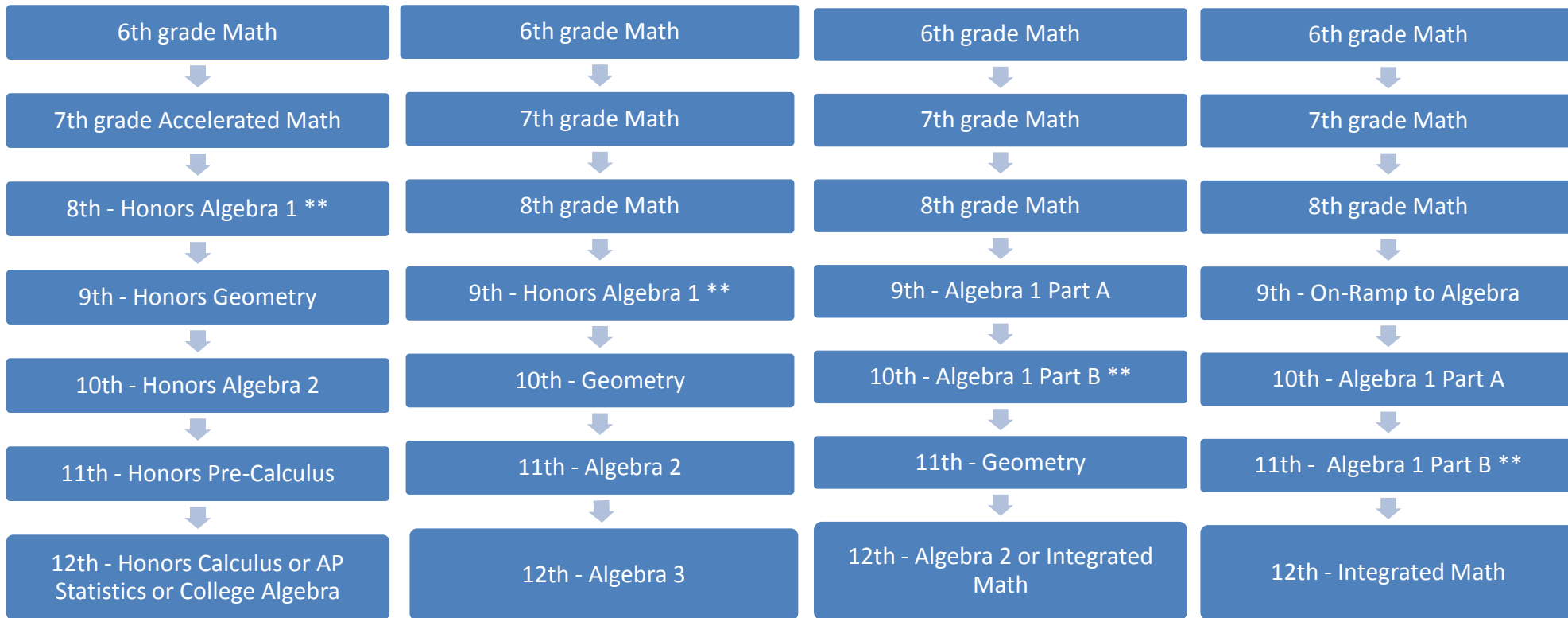
Problem solving and critical thinking skills will be developed through practical mathematical applications. Content will be comprised of the base of knowledge that students will need to enter a four year traditional college, community college/technical school, post-secondary training or to embark upon a variety of technical occupations. Students will be prepared for mathematics they will encounter in their future mathematics courses and in life.

TECHNOLOGY

While computation is vital in the information age in which we live, technology has drastically changed the methods by which we compute. To function in the modern world, it is necessary to compute and estimate in a variety of settings. A goal of the East Allegheny Mathematics Department is to prepare young people to select and use appropriate mental, paper and pencil, calculator, and computer methods effectively.

Most classes will use a graphing calculator. The students would benefit from getting their own graphing calculator to use in class. The department recommends the TI-83 Plus or higher, which can be used in high school and college classes.

Math course progressions for students graduating in or after 2017



**** Keystone Exam administered**

**MATHEMATICS DEPARTMENT
HONORS/AP COURSES**

COURSE NO.	COURSE NAME	GRADE	COURSE TYPE
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2202	AP ELEMENTARY STATISTICS	11-12	ADVANCED PLACEMENT
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AP Statistics is equivalent to a one-semester, introductory, non-calculus-based, college course in statistics. The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data and preparing for the Advanced Placement Statistics Exam. Exemplary study skills and substantial amount of time is required for students to be successful. Students are exposed to four broad conceptual themes:

Exploring Data: Describing patterns and departures from patterns.

Sampling and Experimentation: Planning and conducting a study.

Anticipating Patterns: Exploring random phenomena using probability and simulation.

Statistical Inference: Estimating population parameters and testing hypotheses.

Important components of the course include the use of technology, projects and laboratories, cooperative group problem-solving, and writing, as a part of concept-oriented instruction and assessment. Students with the appropriate mathematical background are encouraged to take both AP Statistics and Calculus in high school.

Prerequisites:

85% or higher in Honors Algebra 2 or Pre-Calculus is required.

Computer Applications is strongly suggested for the use of spreadsheets.

2015	GEOMETRY	9-10	HONORS*
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Geometry is a complete and comprehensive course aligned with the Pennsylvania Common Core Standards. Students will explore complex geometric situations and deepen their explanations of geometric relationships, moving toward formal mathematical arguments. The Mathematical Practice Standards apply throughout the course and together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Units of study will include Tools of Geometry, Reasoning and Proof, Parallel and Perpendicular Lines, Congruent Triangles, Relationships within Triangles, Polygons and Quadrilaterals, Similarity, Right Triangles and Trigonometry, Transformations, Area, Surface Area, and Volume, and Circles. This course is designed for the student who is preparing for college and/or the workforce.

Prerequisite: Students applying for admission to this course must satisfy the criteria listed below.

1. 95% or higher in Algebra 1:High School
2. 90% or higher in LAC, Algebra 1:8th Grade Committee recommendation which will take into account student course work and Keystone Algebra 1 Exam score.
3. An 85% grade average must be maintained to have teacher recommendation to remain in any honors math course for the following year.

2025	ALGEBRA II	10-11	HONORS*
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Algebra 2 is a complete and comprehensive course aligned with the Pennsylvania Common Core Standards. It builds on the students' work with linear, quadratic, and exponential functions by introducing polynomial, rational, and radical functions. Students work closely with the expressions that define the functions and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The Mathematical Practice Standards apply throughout the course and together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Units of study will include Expressions, Equations, and Inequalities, Functions, Equations, and Graphs, Linear Systems, Quadratic, Polynomial, Radical, Exponential, Logarithmic and Rational Functions, Sequences and Series, Probability and Statistics, and Basic Trigonometric Functions. This course is designed for the student who is preparing for college.

Prerequisite: Students applying for admission to this course must satisfy the criteria listed below.

1. 85% or higher in Honors Geometry.
2. 95% or higher in Academic Geometry.
3. An 85% grade average must be maintained to have teacher recommendation to remain in any honors math course for the following year.

**MATHEMATICS DEPARTMENT
HONORS COURSES (CONT.)**

COURSE NO.	COURSE NAME	GRADE	COURSE TYPE
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2035	TRIGONOMETRY/PRE-CALCULUS	11-12	HONORS*
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Trigonometry/Pre-Calculus is offered to provide the background necessary to pursue mathematics and related areas at the collegiate level. The student selecting this course should have achieved a high level of success in previous academic mathematics studies. A strong emphasis will be placed on the study of the algebraic functions, trigonometric functions, matrices, sequences, conic sections and analytic concept of the function and its importance in mathematics.

Prerequisite: Students applying for admission to this course must satisfy the criteria listed below.

1. 85% or higher in Honors Algebra 2.
2. An 85% grade average must be maintained to have teacher recommendation to remain in any honors math course for the following year.

2045	CALCULUS	11 - 12	HONORS*
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This course consists of a full academic year of work in calculus and related topics comparable to courses offered at the university level. Calculus is offered for the mathematically able students who have a thorough knowledge of college preparatory mathematics, including Algebra I and II, Geometry, Trigonometry and some analytical geometry (equations and graphs, lines, and conics). Topics covered will include elementary functions, differential calculus, and integral calculus.

Prerequisite: Students applying for admission to this course must satisfy the criteria listed below.

1. 85% or higher in Pre-calculus.

This course may be offered for college credit through Carlow University's College in the High School Program. Course credits currently are \$60 a credit (subject to change by Carlow) (4 credits = \$240). College credits will only be granted to students earning a grade of "C" or higher.

**MATHEMATICS DEPARTMENT
ACADEMIC COURSES**

COURSE NO.	COURSE NAME	GRADE	COURSE TYPE
8300	ON RAMP TO ALGEBRA	9	ACADEMIC

On Ramp to Algebra is a program designed to build and solidify foundational skills and conceptual understanding necessary to be successful in Algebra I. It provides explicit instruction in math skills, problem solving and key concepts. The program is specifically designed to prepare students for success in Algebra I. Units of study will include foundations of Algebra, Operations with Fractions, Positive and Negative Numbers, Ratio and Proportionality, Showing Relationships with Graphs, and Expressions, Equations and Exponents.

2054	ALGEBRA I	9-12	HONORS
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Algebra I is a complete and comprehensive course aligned with the Pennsylvania Common Core Standards. The critical areas, called units, deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend, and students engage in methods for analyzing, solving, and using quadratic functions. The Mathematical Practice Standards apply throughout the course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Units of study will include Foundations of Algebra, Solving Equations, Solving Inequalities, Introduction to Functions, Systems of Equations and Inequalities, Exponents and Exponential Functions Equations, Polynomials and Factoring, Quadratic Functions and Equations, Radical Expressions and Equations, Rational Expressions and Functions, Data Analysis and Probability. This course is designed for the student who is preparing for college and/or the workforce.

2055	ALGEBRA 1 PART A (FOUNDATIONS OF LINEAR ALGEBRA)	ACADEMIC
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This course is aligned with the Pennsylvania Common Core Standards and covers the first year of a two year algebra course. The critical areas, called units, deepen and extend understanding of linear relationships and by applying linear models to data that exhibit a linear trend. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Units of study will include Foundations of Algebra, Solving Equations, Solving Inequalities, Introduction to Functions, Linear Functions, Systems of Equations and Inequalities. This course is designed for the student who is preparing for their future career.

2056	ALGEBRA 1 PART B (NON-LINEAR ALG with DATA ANALYSIS)	ACADEMIC
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This course is aligned with the Pennsylvania Common Core Standards and covers the second year of a two year algebra course. The critical areas, called units, deepen and extend understanding of non-linear and exponential relationships by contrasting them with each other and students engage in methods for analyzing, solving, and using quadratic functions. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Units of study will include Exponents and Exponential Functions Equations, Polynomials and Factoring, Quadratic Functions and Equations, Radical Expressions and Equations, Rational Expressions and Functions, Data Analysis and Probability. This course is designed for the student who is preparing for their future career.

****Placement into these courses is based upon performance in the student's 8th grade math class, teacher and administrator recommendation, as well as parental input.**

**MATHEMATICS DEPARTMENT
ACADEMIC COURSES (CONT.)**

COURSE NO.	COURSE NAME	GRADE	COURSE TYPE
2064	GEOMETRY	9-12	ACADEMIC

Geometry is a complete and comprehensive course aligned with the Pennsylvania Common Core Standards. Students will explore complex geometric situations and deepen their explanations of geometric relationships, moving toward formal mathematical arguments. The Mathematical Practice Standards apply throughout the course and together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Units of study will include Tools of Geometry, Reasoning and Proof, Parallel and Perpendicular Lines, Congruent Triangles, Relationships within Triangles, Polygons and Quadrilaterals, Similarity, Right Triangles and Trigonometry, Transformations, Area, Surface Area, and Volume, and Circles. This course is designed for the student who is preparing for college and/or the workforce.

Prerequisite: Students applying for admission to this course must satisfy the criteria listed below.

1. 80% or higher in 8th grade Algebra 1.
2. 9th grade students taking this course must pass the Keystone Algebra 1 Exam.

2074	ALGEBRA II	10-12	ACADEMIC
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Algebra 2 is a complete and comprehensive course aligned with the Pennsylvania Common Core Standards. It builds on the students' work with linear, quadratic, and exponential functions by introducing polynomial, rational, and radical functions. Students work closely with the expressions that define the functions and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The Mathematical Practice Standards apply throughout the course and together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Units of study will include Expressions, Equations, and Inequalities, Functions, Equations, and Graphs, Linear Systems, Quadratic, Polynomial, Radical, Exponential, Logarithmic and Rational Functions, Sequences and Series, Probability and Statistics, and Basic Trigonometric Functions. This course is designed for the student who is preparing for college.

2084	ALGEBRA III	11-12	ACADEMIC
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This class is intended for the college-bound or technically oriented student. Topics of study will include quadratic functions, polynomial functions, exponential and logarithmic functions, rational functions, periodic and trigonometric functions, and probability and statistics. Graphing calculators will be an integral part of the course.

Prerequisite: Students applying for admission to this course must satisfy the criteria listed below.

1. Algebra 2.

**MATHEMATICS DEPARTMENT
ACADEMIC COURSES (CONT.)**

COURSE NO.	COURSE NAME	GRADE	COURSE TYPE
2203	COLLEGE ALGEBRA	12	ACADEMIC

This yearlong course is intended for the student who plans to attend college. The main objective of this course is to teach students the skills necessary to successfully complete a College algebra class. Topics of study will include . linear functions, polynomial functions, rational functions, exponential and logarithmic functions, and systems of equations and inequalities.

This course may be offered for college credit through Carlow Univeristy's College in the High School Program. Course credits currently are \$60 a credit (subject to change by Carlow) (3 credits = \$180). College credits will only be granted to students earning a grade of "C" or higher.

Prerequisite: Students applying for admission to this course must satisfy the criteria listed below.

1. 75% or higher in Algebra 3 or successful completion of Pre-Calculus.

2205	INTEGRATED MATH	12	ACADEMIC
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This course is intended for the senior who is interested in learning about personal finance. Course topics include personal financial planning, budgets and balance sheets, careers and education, paying taxes, understanding insurance, economic plans, personal credit and credit cards, personal loans, banking procedures, methods of saving and investing.

2309	ALGEBRA 1 KEYSTONE REMEDIATION	9-12	ELECTIVE
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MANDATORY course for students who received a score of Basic or Below Basic on the Algebra 1 Keystone Exam. This course is required to be eligible to retake the Keystone Exam.

This semester course will provide additional instruction in conjunction with Keystone Algebra 1 - Module 1, Operations and Linear Equations & Inequalities and Keystone Algebra 1 - Module 2, Linear Functions and Data Organizations. This course is intended to strengthen student performance levels by providing targeted in-depth instruction in Operations with Real Numbers and Expressions (A1.1.1), Linear Equations (A1.1.2), Linear Inequalities (A1.1.3), Functions (A1.2.1), Coordinate Geometry (A1.2.2), and Data Analysis (A1.2.3). Module 1's focus includes representing and/or using numbers in equivalent forms, applying number theory concepts to show relationships between real numbers in problem-solving settings, using exponents, roots and/or absolute values to solve problems, using estimation strategies in problem-solving situations, simplifying expressions involving polynomials, write, solve and/or graph linear equations and systems of linear inequalities using various methods. Module 2's focus includes analyzing and/or using patterns or relations, interpreting and/or using linear functions and their equations, graphs, or tables, describing, computing, and/or using the rate of change (slope) of a line, analyzing and/or interpreting data on a scatter plot, using measures of dispersion to describe a set of data, using data displays in problem-solving settings and/or to make predictions, applying probability to practical situations.

Students will continue in this course on a semester basis until they receive a score of Proficient or Advanced on the Algebra 1 Keystone Exam. This course shall be taken concurrently with a student's regularly-scheduled Math course and will not substitute for Math credit required for graduation (see p. 3 and 4 for graduation requirements).

SCIENCE DEPARTMENT

In order to better prepare for the new Biology Keystone Exam, a change in course sequence will take place within the science department.

Beginning with the class of 2019 and on, proficiency on the Biology Keystone Exam is a State requirement.

CLASS OF 2021 and beyond:

	Honors	Academic	General
9th Grade	Biology	Integrated	Integrated
10th Grade	Chemistry	Biology	Biology
11th Grade	Physics	Chemistry	Chemistry
12th Grade	Elective	Elective	Elective

CLASS OF 2017-2020:

- 9th GRADE: Biology (Honors/Lab, Academic/Lab, or Biology/Non-Lab)
- 10th GRADE: Chemistry (Honors, Academic, or General).
- 11th GRADE: Physics (Honors, Academic, or Chemistry(General).
- 12th GRADE ELECTIVES: AP Environmental Science, Anatomy & Physiology (Honors or Academic), Honors Physics II, Honors Chemistry II, Honors Biology II, Anatomy and Physiology, STS, and Physics(Academic). (These could be taken as 11th grade electives if students choose to "double up".)

**SCIENCE DEPARTMENT
ADVANCED PLACEMENT COURSE**

COURSE NO.	COURSE NAME	GRADE	COURSE TYPE
3000	AP ENVIRONMENTAL SCIENCE	11-12	AP

AP Environmental Science is a rigorous course designed to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. The following major topics are part of the AP Environmental Course: Earth Systems (earth science concepts, meteorological concepts), Ecosystem structure, Energy flow through ecosystems, Populations (including human), Land and water use (including conservation, mining), Energy resources and consumption (fossil fuels and renewable energy resources), Pollution, Global Change. The completion of the summer assignment is mandatory.

PREREQUISITES: A 90% in Biology I and Chemistry I or 85% in Honors Biology I and Honors Chemistry I. Proficient/Advanced Score on Biology Keystone

**SCIENCE DEPARTMENT
HONORS COURSES**

COURSE NO.	COURSE NAME	GRADE	COURSE TYPE
3015	BIOLOGY I	9	HONORS*

This is an accelerated course and is designed for those students already enrolled in the Honors science program. It relies heavily on above average reading comprehension, laboratory and critical thinking skills. High expectations are placed on experimentation, reading, and writing that will enhance proficiency in the study of all levels of biological organization. This course will address the major themes of biology: biochemistry, cell structure and function, DNA and genetics, evolution, biodiversity, ecology, and environmental science. This course is recommended for students planning to pursue a career in the science field.

PREREQUISITES:

1. A 90% average or higher in 8th grade science (for 9th graders)

***An 85% grade average must be maintained to continue in the Honors track.**

3025	CHEMISTRY I	10-11	HONORS*
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This course is designed for the student who has a strong background in science and math. It will focus on the conceptual as well as mathematical view of chemistry. The topics to be investigated in depth will include the following: metric system, elements, atoms, mixtures and solutions, the periodic table, periodic trends, quantum numbers, electron configurations, chemical bonding, molecules, polarity, chemical nomenclature, chemical equations, stoichiometry, and kinetic theory.

PREREQUISITES:

1. A 90% in Biology I or 85% in Honors Biology I.
2. A 90% in Algebra I or 85% in Honors Algebra I.
3. **Proficient/Advanced Score on Biology Keystone**

3035	PHYSICS I	11-12	HONORS*
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This course is designed to give the student a strong working foundation in the principles and theories of physics. Topics of study include: kinematics, work, power, energy, the structure of matter and thermodynamics. Emphasis throughout the course is placed on in-depth problem solving and data analysis. Successful completion of algebra I and geometry is recommended along with at least current enrollment in trigonometry. It is recommended for **ALL** students who plan to attend any four-year college, regardless of their intended major.

PREREQUISITES:

1. A 90% in Biology I or 85% in Honors Biology I.
2. An 85% or better in Geometry.
3. **Proficient/Advanced Score on Biology Keystone**

3065	PHYSICS II	12	HONORS*
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This course is designed as the second year of a two-year sequence in the study of physics and picks up where Physics I left off. Honors physics II, in combination with Honors Physics I is designed to parallel the development of physics in most collegiate programs. Physics II studies topics not included in Physics I. Topics of study include: wave theory, sound, optics, electricity, magnetism and astrophysics. A strong background in mathematics is required.

PREREQUISITES:

1. A 90% in Physics I or 85% in Honors Physics I.
2. **Proficient/Advanced Score on Biology Keystone**

**SCIENCE DEPARTMENT
HONORS COURSES (CONT.)**

COURSE NO.	COURSE NAME	GRADE	COURSE TYPE
3075	BIOLOGY II	11-12	HONORS*
<p>Honors Biology II is a rigorous course involving a deeper, more detailed examination of the topics seen in a college freshman biology course. Students will study the following themes: structure, function and biochemistry of the cell, photosynthesis and cellular respiration, DNA and RNA structure, Transcription and Translation, genetics, natural selection, population genetics, classification of organisms, and ecology. This course takes advantage of and extends a student's prior knowledge in biology and chemistry. Students will be expected to complete reading and writing assignments, lab reports, analyze data and literature to further understand the topics. PREREQUISITES: A 90% in Biology I and Chemistry I or 85% in Honors Biology I and Honors Chemistry I. Proficient/Advanced Score on Biology Keystone</p>			
3085	ANATOMY & PHYSIOLOGY	11-12	HONORS*
<p>Honors Anatomy and Physiology is a rigorous course that involves a more in-depth examination of the human body. Students will study the human body from the cellular level to the complete organism. The topics of study are as follows; anatomical terms, biochemistry of cells, tissues, integumentary system, skeletal system, muscular system, nervous system, special senses, endocrine system, blood, cardiovascular system, lymphatic system, respiratory system, digestive system, urinary system, and reproductive system. Genetics, disease, nutrition and microbiology are approached in terms of the human organism. The total program is designed to stimulate student's involvement in lectures, class discussions, laboratory experiments and extensive dissection. The student will be required to analyze data and literature to complete multiple writing assignments and projects. PREREQUISITES: A 90% in Biology I and Chemistry I or 85% in Honors Biology I and Honors Chemistry I. Proficient/Advanced Score on Biology Keystone</p>			
3095	CHEMISTRY II	11-12	HONORS*
<p>This course is intended for science-oriented students. This is a fast paced and challenging course that requires students to utilize the information that they acquired in first year academic or honors chemistry. The students are expected to understand chapter 1-10 from academic chemistry or honors chemistry. Students are required to do independent learning. This course is a more vigorous mathematical and problem-solving course compared to first year chemistry. Strong math skills are needed. This course is lab-oriented. The following topics will be covered: stoichiometry, reactions, bonding geometry of molecules, acids and bases, electrochemistry, organic chemistry, solutions, kinetics, and gases. PREREQUISITES: A 90% in Biology I and Chemistry I or 85% in Honors Biology I and Honors Chemistry I. Proficient/Advanced Score on Biology Keystone</p>			

**SCIENCE DEPARTMENT
ACADEMIC COURSES**

The Academic program of studies represents the traditional, content centered Science Curriculum. The aim of these courses is to prepare students to meet the rigors of academic life in College Science Education. Academic Chemistry and Physics courses require one lab period per 6 day cycle.

COURSE NO.	COURSE NAME	GRADE	COURSE TYPE
3040	INTEGRATED SCIENCE	9	ACADEMIC

This introductory course is based on the fundamental concepts of various fields of science. The topics covered in this course will include: basic chemistry (atomic theory and the periodic table); biochemistry; cell structure, ecosystems, biomes and ecological concepts.

3044	ACADEMIC BIOLOGY	10	ACADEMIC
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This introductory course provides students with a solid foundation in scientific terminology, theories and concepts related to the study of living things. All levels of biological organization will be studied in this course. The main areas of study will include biochemistry, cell structure and function, DNA and genetics, evolution, biodiversity, ecology, and environmental science. Class lectures/discussions will be reinforced through imaginative, inquiry-oriented investigations, demonstrations, and audio-visual materials.

PREREQUISITE: Successful completion of Integrated Science

3054	ACADEMIC CHEMISTRY	10-11	ACADEMIC
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This course introduces the student to scientific vocabulary, theories and the laws that are basic to an understanding of chemistry in our modern world. Both laboratory work and discussions are designed to familiarize the student with the composition of our world and the changes in composition that may or may not occur. The relationships of properties to structure are emphasized and concepts are examined mathematically whenever applicable. The topics to be investigated will include the following: metric system, elements, atoms, the periodic table, periodic trends, quantum numbers, electron configurations, chemical bonding, molecules, polarity, chemical nomenclature, chemical equations, stoichiometry, kinetic theory, and intro to organic chemistry.

PREREQUISITES:

1. Successful completion of Biology
2. Successful completion of Algebra I

3064	ACADEMIC PHYSICS	11-12	ACADEMIC
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Concepts of Physics is designed to serve as a broad foundation using simple situations to answer questions involving physics in the everyday world, covering topics such as motion, force, energy, thermodynamics, optics, electricity and magnetism. Algebra is used to develop, test and explain models of phenomena to which the student has been exposed. This course is designed for the student who has a strong background in science and math.

PREREQUISITES:

1. Successful completion of Chemistry
2. Successful completion of Algebra I and Geometry

3074	ACADEMIC ANATOMY & PHYSIOLOGY	11-12	ACADEMIC
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This course provides the student with an in-depth study of the human body and how it functions. All facets of the human body are explored through cellular, tissue, organ and organ systems of the body. Genetics, disease, nutrition and microbiology are approached in terms of the human organism. The total program is designed to stimulate student's involvement in lectures, class discussions, laboratory experiments and extensive dissection.

PREREQUISITES: A 70% or better in Academic or Honors Biology and Academic or Honors Chemistry.

**SCIENCE DEPARTMENT
GENERAL COURSES**

COURSE NO.	COURSE NAME	GRADE	COURSE TYPE
3102	INTEGRATED SCIENCE	9	GENERAL

This introductory course is based on the fundamental concepts of various fields of science. The topics covered in this course will include: basic chemistry (atomic theory and the periodic table); biochemistry; cell structure, ecosystems, biomes and ecological concepts. **This course is recommended for students who did not score at least proficient on the 8th grade science PSSA.**

3112	GENERAL BIOLOGY	10	GENERAL
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This introductory course provides students with a solid foundation in scientific terminology, theories and concepts related to the study of living things. All levels of biological organization will be studied in this course. The main areas of study will include biochemistry, cell structure and function, DNA and genetics, evolution, biodiversity, ecology, and environmental science. Class lectures/discussions will be reinforced through imaginative, demonstrations, and audio-visual materials.

3122	GENERAL CHEMISTRY	11	GENERAL
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This course introduces the student to scientific vocabulary, theories and the laws that are basic to an understanding of chemistry in our modern world. Both laboratory work and discussions are designed to familiarize the student with the composition of our world and the changes in composition that may or may not occur. The relationships of properties to structure are emphasized and concepts are examined mathematically whenever applicable. The topics to be investigated will include the following: metric system, elements, atoms, the periodic table, periodic trends, quantum numbers, electron configurations, chemical bonding, molecules, polarity, chemical nomenclature, chemical equations, stoichiometry, kinetic theory, and intro to organic chemistry.

PREREQUISITES:

1. Successful completion of Biology
2. Successful completion of Algebra I

*Recommended course for all Forbes Road students.

3132	GENERAL ANATOMY & PHYSIOLOGY 12		GENERAL
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This course provides the student with an in-depth study of the human body and its systems. The human body is explored on a cellular, tissue, organ and system level, with emphasis on the body systems. Genetics, disease, nutrition and microbiology are approached in terms of the human organism. The program is designed to give students a basic awareness of the make-up and function of the human body and its systems. Student involvement in lectures and class discussions will be encouraged.

PREREQUISITES: Must have completed 2 prior Science Courses.

*Recommended course for all Forbes Road students.

3142	SCIENCE, TECHNOLOGY AND SOCIETY	12	GENERAL
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This course will introduce students to the relationships that exist between science, technology, and society. Emphasis will be placed on how new developments and research impact the choices we make. This course will focus on a review of topical literature, which will be discussed from a scientific perspective and societal impact.

PREREQUISITE: Must have completed 2 prior Science Courses.

**SCIENCE DEPARTMENT
KEYSTONE REMEDIATION COURSES**

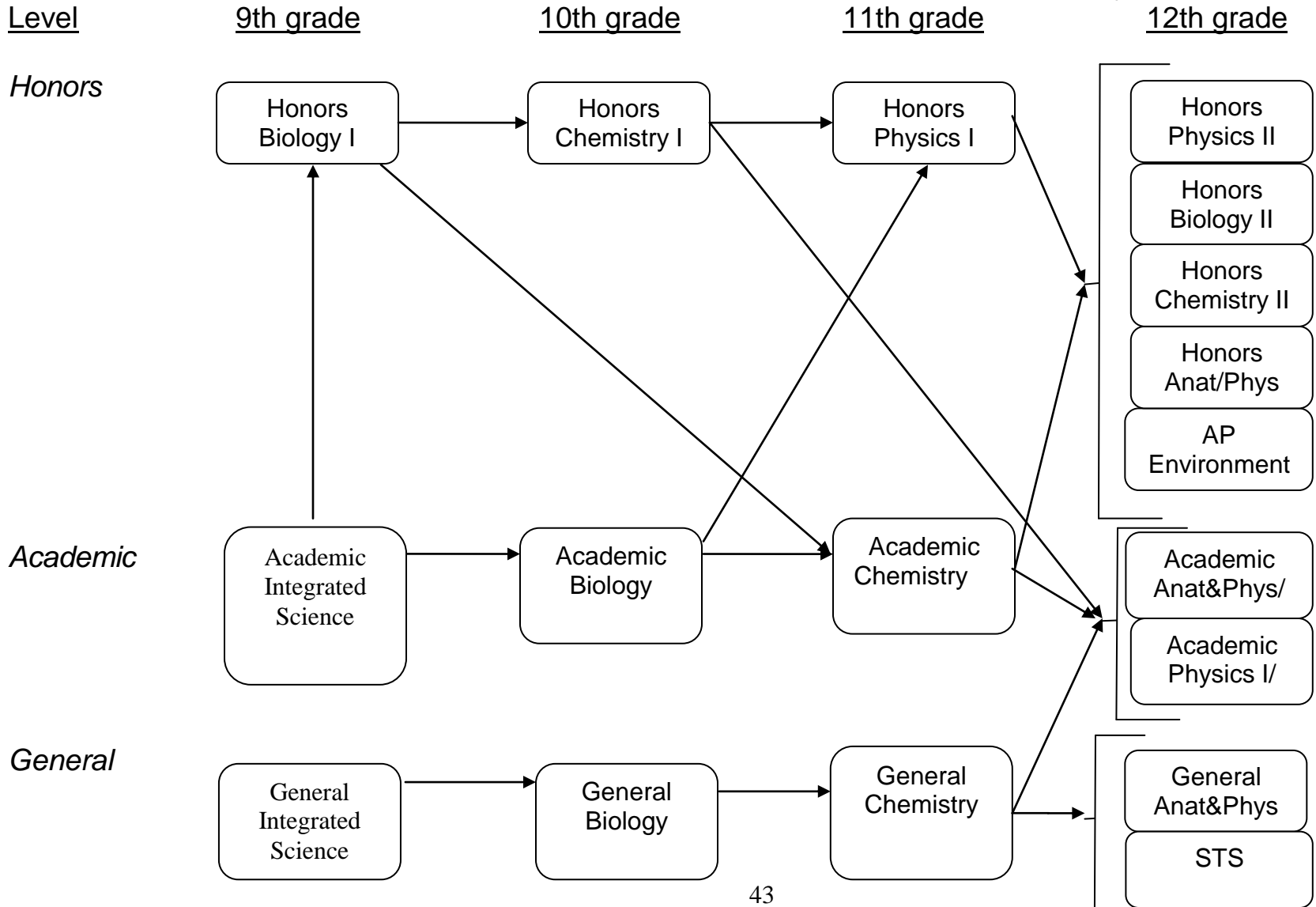
COURSE NO.	COURSE NAME	COURSE TYPE
3300	BIOLOGY KEYSTONE REMEDIATION	ELECTIVE

MANDATORY course for students who received a score of Basic or Below Basic on the Biology Keystone Exam.

This "non-lab" semester course will provide additional biology instruction in conjunction with Biology Modules A and B. This course is intended to strengthen student performance levels by providing instruction on Basic Biological Principles (BIO.A.1), Chemical Basis for Life (BIO.A.2), Bioenergetics (BIO.A.3), and Homeostasis and Transport (BIO.A.4), Cell Growth and Reproduction (BIO.B.1), Genetics (BIO.B.2), Evolution (BIO.B.3), and Ecology (BIO.B.4).

This course shall be taken concurrently with a student's regularly-scheduled Science course and will not substitute for Science credit required for graduation (see p. 3 and 4 for graduation requirements).

Science Department (Class of 2021 and beyond)



**WORLD LANGUAGE DEPARTMENT
SPANISH**

COURSE NO.	COURSE NAME	GRADE	COURSE TYPE
4004	SPANISH I	9-12	ELECTIVE

This course is designed for beginning students to develop skills in listening, speaking, reading and writing. Students will interact both with each other and the available technology to practice vocabulary, grammatical constructions, idiomatic expressions and comprehension. Students will also have the opportunity to discover various aspects of the culture through the use of multi-media.

4014	SPANISH II	10-12	ELECTIVE
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This course is a continuation of Spanish I. Emphasis will be placed upon working toward increasing listening, conversational and comprehension skills. More cultural experiences will be provided through the use of multi-media. Competencies in the area of reading and writing will be further developed.

4024	SPANISH III	11-12	ELECTIVE
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Spanish III continues to develop comprehension, listening, speaking, reading and writing skills. Advanced grammar constructions will be introduced and practiced. Literary selections will be utilized to promote skills and further cultural understanding. More cultural experiences will be provided through the use of multi-media.

4034	SPANISH IV	12	ELECTIVE
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At this advanced level, communication skills will be emphasized. Survival skills in the target language will be developed. This course will combine all elements of foreign language study to promote a high level of oral proficiency. Students will be expected to work independently with available technology.

PREREQUISITE: Students must have a grade of 80% in Spanish III and/or receive a teacher recommendation to enroll in this class.

**WORLD LANGUAGE DEPARTMENT
FRENCH**

COURSE NO.	COURSE NAME	GRADE	COURSE TYPE
4044	FRENCH I	9-12	ELECTIVE

This course is designed for beginning students to develop skills in listening, speaking, reading and writing. Students will interact both with each other and the available technology to practice vocabulary, grammatical constructions, idiomatic expression and comprehension. Students will also have the opportunity to discover various aspects of the culture through the use of multi-media.

4054	FRENCH II	10-12	ELECTIVE
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This course is a continuation of French I. Emphasis will be placed upon working toward increasing listening, conversational and comprehension skills. More cultural experiences will be provided through the use of multi-media. Competencies in the areas of reading and writing will be further developed.

4064	FRENCH III	11-12	ELECTIVE
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French III continues to develop comprehension, listening, speaking, reading and writing skills. Advanced grammar construction will be introduced and practiced. Literary selections will be utilized to promote skills and further cultural understanding. More cultural experiences will be provided through the use of multi-media

4074	FRENCH IV	12	ELECTIVE
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At this advanced level, communication skills will be emphasized. Survival skills in the target language will be developed. This course will combine all elements of foreign language study to promote a high level of oral proficiency. Students will be expected to work independently with available technology.

PREREQUISITE: Students must have a grade of 80% in French III and/or receive a teacher recommendation to enroll in this class.

COMPUTER CLASSES

COURSE NO.	COURSE NAME	GRADE	COURSE TYPE
5211	WORD & POWERPOINT I (SEMESTER COURSE)	9-12	ELECTIVE

Introduction to Microsoft Word and PowerPoint. Topics include:

1. Word
 - a. Creating and Editing a Word Document
 - b. Creating a Research Paper
 - c. Creating a Cover Letter and a Resume
2. PowerPoint
 - a. Creating and Editing a Presentation
 - b. Creating a Presentation with Illustrations and Shapes

All students are encouraged to take this course.

5212	WORD & POWERPOINT II (SEMESTER COURSE)	10-12	ELECTIVE
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This course is a continuation of Word and PowerPoint I. Topics include:

1. Word
 - a. Creating a Document with a Title Page, Table, Chart, and Watermark
 - b. Generating Form Letters, Mailing Labels, and Directories
 - c. Creating a Professional Newsletter
2. PowerPoint
 - a. Creating a Presentation with Custom Backgrounds and SmartArt Diagrams
 - b. Working with Information Graphics

Prerequisite: 70% or higher in Word & PowerPoint I

COMPUTER CLASSES (CONT.)

COURSE NO.	COURSE NAME	GRADE	COURSE TYPE
5214	EXCEL & ACCESS I (SEMESTER COURSE)	9-12	ELECTIVE

An introduction to Microsoft Excel and Access. Topics include:

1. Excel
 - a. Creating a Worksheet and an Embedded Chart
 - b. Formulas, Functions, Formatting, and Web Queries
 - c. What-If Analysis, Charting, and Working with Large Worksheets
2. Access
 - a. Creating and Using a Database
 - b. Querying a Database
 - c. Maintaining a Database

Prerequisite: Algebra I

5217	WEB DESIGN (SEMESTER COURSE)	10-12	ELECTIVE
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This semester course offers a comprehensive presentation of DreamWeaver CS3 and will expose students to proper Web site design and management techniques. Student will learn the proper procedures to create Web sites suitable for coursework, professional purposes, and personal use developed through an exercise-oriented approach that allows learning by doing. Students will be given an email account, web space and a domain and will be required to complete their own Web site as a final project.

TECHNOLOGY EDUCATION DEPARTMENT

Technology is a part of EVERYTHING we do in life. People can travel to outer space, receive transplanted parts to their bodies and live better and longer due to advancements in modern technology. Technology is using knowledge, tools, and skills to increase our potential, to solve problems, and to modify our world.

Technology education teaches four areas of technology important to our society: communications, manufacturing, transportation and construction. Unique opportunities are provided for students to gain experience in problem solving, skill and processes, as well as personal and social growth.

COURSE NO.	COURSE NAME	GRADE	COURSE TYPE
6501	TECHNOLOGY EDUCATION I (SEMESTER COURSE)	9-12	ELECTIVE

This semester course is designed to introduce the student to the four areas of Technology Education (Tech.Ed). The four areas are Communications, Transportation, Construction, and Manufacturing. The **communications** section will cover measuring and design using basic drafting principles. Students will understand the design process and be able to make drawings in the oblique and prospective styles. The **transportation** section students will explore the various modes of transporting humans and goods. Research will be done on the various modes and students will use this data to produce models of that type of transportation system.

The **construction** section will focus on the various structures and the forces that work against structural materials. Students will construct and test small models of a few of these structures. Data will be recorded and reports will be made on how to improve these structures.

The **manufacturing** section of the course will deal with the tools materials and processes used in the woodworking industry. Students will gain hands on experience using hand tools and machines to complete a few small woodworking projects.

6511	TECH.ED. II (SEMESTER COURSE)	10-12	ELECTIVE
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This semester course is designed to improve the skills obtained in Tech.Ed.I. Emphasis will be placed on students developing their ideas into plans for making new products. Students will work individually and in groups to design, develop, and construct projects in all four areas of technology. Modern techniques of working with wood and wood products will be explored as well as developing the student's ability to become more proficient at problem solving activities. Students will gain experience on setting up an assembly line and mass producing a project as well as being able to create a self-designed project.

PREREQUISITE: Passing Tech.Ed. I

6521	PRODUCT DEVELOPMENT/TECH.ED. III	11-12	ELECTIVE
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In Tech. Ed. III, students will use skills learned in tech Ed 1 and 2 to construct a Grandmother Clock, new machines, and advanced techniques will be utilized in the construction of the project.

Students will also be able to make some individual projects on their own upon completion of the clock. They will research projects on their own and provide a detailed plan for any future projects, which they can make during the remainder of the school year.

PREREQUISITE: Passing Tech. Ed. I & II

**TECHNOLOGY EDUCATION
DEPARTMENT (CONT.)**

COURSE NO.	COURSE NAME	GRADE	COURSE TYPE
6531	ROBOTICS AND COMMUNICATION TECHNOLOGY (SEMESTER COURSE)	9-12	ELECTIVE

Communication Technology

Communication is the process of sending and receiving a message. Students will become familiar with the technological advances in this field. Emphasis will be placed on working with electrical circuitry and simple house wiring. Students will also explore the innovations in the communication technology, which includes fiber optics, the microchip and other new telecommunication systems.

Students will also work on computers. Students will disassemble a computer to learn about the different parts and how they function. They will then reassemble the computer. Basic troubleshooting as well as upgrading will be discussed.

Robotics Technology

Robots are a fast growing area of interest and students will be able to learn about different robots and how they function with hands on use of various robots and robotic devices. Students will learn basic programming of robots using the VEX robots and RobotC programming language. Many different robots will be constructed and programmed to complete various tasks and objectives, ipads and Nexus tablets will be used to control robots, drones and quad copters.

Students will become familiar with the newest types of transportation used today. These will include automated guided vehicles (AGV'S), electric cars, and hovercrafts. Students will construct a compressed air racecar and build and launch a model rocket. Other problem solving activities will also occur in class.

6541	DRAFTING/COMPUTER- DRAFTING/DESIGN (SEMESTER COURSE)	9-12	ELECTIVE
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This semester course is designed to introduce the fundamentals of drafting to the beginning student. Various ways to communicate ideas graphically by means of lines, shapes, symbols and other conventional indications are studied. This is a language universally used in our technological society. A basic breakdown of the course includes the ability to develop free hand sketching, lettering, mechanical drawing, geometry of technical drawing, views of an object, dimensioning, working drawings, pictorial drawings and 2-point perspective drawing. The student uses as aids the basic tools of the draftsman (T-square, triangle, ruler, etc.) and learns about mechanical drafting styles.

Students will take part in different activities such as bridge designing and building as well as other projects to aid in their learning of structure and design. Students will also be given the basic hands-on use with a CAD System. While using the equipment and constructing the drawings, he/she learns about industrial materials and the processes of their production as used in the world about us including the home, school and industry.

**TECHNOLOGY EDUCATION
DEPARTMENT (CONT.)**

<u>COURSE NO.</u>	<u>COURSE NAME</u>	<u>GRADE</u>	<u>COURSE TYPE</u>
6571	ARCHITECTURAL DRAFTING (SEMESTER COURSE)	9-12	ELECTIVE

This semester course is designed to give the students experience in the building design process, creating drawings of commercial buildings as well as residential. Students will learn how to draw various types of floor plans and include furniture and fixtures as well as outdoor things such as trees, shrubs and other landscaping. Students will also make elevation views of all four sides of the building to show what they would look like from that side of the building.

Students will then learn how to cost estimate the materials and labor for the building job. Computer aided drawing programs will then be used to allow the student to go through the entire drawing process with the aid of the computer and compare the two different ways of completing this process, both by hand and with the use of a CAD program. Students will also design and build a wood bridge to learn about construction skills and engineering.

ART DEPARTMENT			
COURSE NO.	COURSE NAME	GRADE	COURSE TYPE
7001	FINE ARTS (SEMESTER COURSE)	9-12	ELECTIVE

This course is designed for all first year art students and is the essential step toward future art courses. Basic drawing skills designed to aid in better ways of seeing are stressed with emphasis on eye-hand coordination. Line, value, perspective and composition are explored in a series of exercises. A wide variety of procedures and approaches are introduced. Fine Arts will cover two-dimensional (drawing, painting) and three-dimensional (sculpture) in order to encourage experimentation with different media and to learn how to effectively use the natural creativity we all possess.

7005	CRAFTS & CULTURES (SEMESTER COURSE)	9-12	ELECTIVE
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Crafts and Cultures is an introductory course designed to open up an exploration of the rich arts and crafts developed by and strongly identified with major cultures of the world. Students will gain skill in creating crafts such as jewelry-making, basket-making, print-making and weaving while gaining an understanding of the origins and purposes of each craft form.

7011	ADVANCED FINE ARTS	10-12	ELECTIVE
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Advanced Fine Arts is sequentially organized to allow a progression from Fine Arts to more complex techniques, materials and projects. This course encourages the development of skills, perception and visual problem solving. Process and development of ideas in two and three-dimensional forms will be stressed. Students will develop a portfolio of art work for entrance into art school and scholarship opportunities.

Prerequisite: Fine Arts course required with a grade of C or above or the submission of 4 works of art to be approved by instructor.

7015	CRAFTS & CULTURES II (SEMESTER COURSE)	10-12	ELECTIVE
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This class is designed to further explore crafts of specific cultures. Students will complete large-scale weaving, print making, and jewelry projects. Process and development of crafts are based on in-depth studios in specific cultures.

Prerequisite: Crafts & Cultures course required or the submission of 3 works of art to be approved by instructor.

7021	STUDIO ART I	11-12	ELECTIVE
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Studio is an art college or art school preparatory course with a focus on students attaining the highest levels of skill and creative thinking in order to produce scholarship worthy art. All students are required to register for art scholarship competitions. Studio Arts is sequentially organized to allow a progression from skills learned in Advanced Fine Arts to highly creative and complex techniques, materials and projects. At the end of the first nine week period students in Studio II may choose to continue class projects including murals or create a highly individualized learning path into a single art area such as painting. Students are expected to develop a portfolio of work due at the conclusion of the course.

Prerequisite: Advanced Fine Arts course is required or submission of 4 works of art to be approved by instructor.

7022	STUDIO ART II	11-12	ELECTIVE
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This course is designed for the student that has completed both fine arts courses and the studio arts course (pre-requisites). Students selecting STUDIO II will create a highly individualized learning path in a single art area such as painting. They will further develop and enhance a visual portfolio of works.

Prerequisite: Advanced Fine Arts and Studio courses are required or submission of 8 works of art to be approved by instructor.

ART DEPARTMENT (CONT.)

COURSE NO.	COURSE NAME	GRADE	COURSE TYPE
7031	CERAMICS & SCULPTURE I (SEMESTER COURSE)	9-12	ELECTIVE

Ceramics and Sculpture explores the capabilities of the uses of clay and its decorative properties as well as sculpture in varied materials from papier maché, cardboard, plaster, clay etc. Exploration of various materials will enable students to create three-dimensional art forms. This course will focus on developing skills in wheel throwing and hand-building.

7041	CERAMICS & SCULPTURE II (SEMESTER COURSE)	10-12	ELECTIVE
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Students will use basic techniques, tools, materials and previously acquired skills to extend and enhance their ability and knowledge of ceramics and sculpture. Solving problems, experimentation and refinement of forming, throwing on the wheel and construction of three-dimensional works will be explored in the advanced study. Surface design and glazing experimentation will be emphasized.

Prerequisite: Ceramics and Sculpture or approved submission of 3 pieces of ceramic work.

7051	CERAMICS & SCULPTURE III	11-12	ELECTIVE
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Students will be challenged to make technically more difficult 3-D works while being introduced to new materials (slips, stains, metal and glass). There is a strong focus on the ideals of perfecting a skill, independent work, and professionalism.

7052	CERAMICS & SCULPTURE IV	11-12	ELECTIVE
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Students will continue to be challenged to make technically more difficult 3-D works while being introduced to additional materials (fabrics, plastics, stains, metal and glass). There is a strong focus on perfecting a skill, worthy independent projects, and professionalism.

7061	GRAPHICS I (SEMESTER COURSE)	9-12	ELECTIVE
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This course offers a basic introduction and overview to Graphic Communications. Through the first quarter, fundamental principles of computer layout and design will be explored using Adobe Photoshop software. The second half will include glass etching design and airbrushing. Some of the project areas include Photoshop computer projects, plastic dye-sublimation (keychain/mini license plate design), glass etching, t-shirt airbrush design. A complete portfolio will be maintained in this course.

7071	GRAPHICS II (SEMESTER COURSE)	10-12	ELECTIVE
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Students will continue the studies of Graphic Communication areas covered in Graphics 1, utilizing more advanced methodology and theory. Some of the areas introduced will include digital photography, video production and green screen technology. Some project areas include numerous photography projects, radio commercial, sales pitch advertisements, music video, and lip dubs. Various media types will be introduced such as screen printing design (T-shirt/textile printing), banner design and printing plus a more in depth look at dye-sublimation (mugs, license plates, plastics printing) Adobe Photoshop/Illustrator and Pinnacle Studio computer software will be utilized in this course to reinforce computer skills. A complete portfolio will be maintained in this course.

Prerequisite: Graphics 1 course required with a C or higher.

7081	GRAPHICS III	11-12	ELECTIVE
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This third level course will permit students to practice, apply and utilize their Graphic Arts I and Graphic Arts II skills and experiences through the demands of a production shop and assigned project work. Students will apply previously learned skills to actual school district production jobs. This class will simulate a real work environment permitting students to experience the demands and satisfactions of the graphic arts field. Advanced digital graphic design applications will also be introduced and explored in this class. A portfolio and journal of all work will be maintained in this course.

Prerequisite: Graphics I, Graphics II courses required with a C or higher

MUSIC DEPARTMENT

COURSE NO.	COURSE NAME	GRADE	COURSE TYPE
7501	HIGH SCHOOL BAND	9-12	ELECTIVE

This course is both elective and selective. It teaches advanced mechanics and fundamentals of music through rehearsals and performances. This ensemble teaches a strong musical language that provides the student with an advanced understanding of musical concepts, enhancing the student's abilities on the instrument of study. Active participation can direct the student to a vocation in music or related areas. The ensemble does a variety of performances. In the fall, the band supports the Varsity football team at all games and pep rallies. It also participates in community parades and several band competitions. In the winter and spring, the band performs at in and out of school concert events. Active participation will give members additional performance opportunities through PMEA District, Region, and Honors band.

The band is an all-inclusive ensemble. Students are required to participate in *ALL* marching and concert band activities. This includes in/out of school rehearsals and performances. Grading criteria will include participation in rehearsals and performances, playing auditions, and advancement on instrument of study.

In the event that a student has a practice conflict with another East Allegheny extra-curricular sport, the student will be expected to split the practice time as much as possible. If it is a game/performance conflict, alternate plans will be made available. No student will be expected to miss a game for ANY rehearsal.

7511	ORCHESTRA	9-12	ELECTIVE
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This offering is both elective and selective. It teaches advanced techniques, mechanics, and fundamentals of music through live performance, in order to develop the student's playing ability. At the same time, it teaches a musical language which gives the student a deeper understanding of music. Active participation in this course can direct the student to a vocation or avocation in music or related areas. This performing group provides in and out of school concerts and serves as the pit orchestra in the annual musical.

Since the orchestra is a performing group, extra rehearsals are called as needed. Students are required to attend these rehearsals and all performances.

7521	CONCERT CHOIR	9-12	ELECTIVE
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This course is both selective and elective and is intended for students with prior singing experience. Students will work together as an ensemble to develop an appreciation for choral singing, music, and the arts in general. A wide variety of music from various cultures, time periods, and genres will be used to teach students to sing with proper vocal technique and musicality. Additionally, students will focus on mastering foundations of music theory/literacy and developing aural skills through the use of solfege.

The choir is a performing ensemble and students will be expected to attend a minimum of 5 performances a year: 3 concerts, Baccalaureate, and Commencement. Students will also be expected to attend a few after school rehearsals throughout the year in preparation for these performances.

Attendance at these concerts/performance is mandatory and will comprise the majority of the student's grade. Other grading criteria include individual vocal evaluations, written tests, and daily participation.

7522	CHORUS	9-12	ELECTIVE
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This course is intended for the beginning singer. This course teaches basic techniques, mechanics and fundamentals of music through live performance. The students work together as an ensemble to develop an appreciation for choral singing, music and the arts. A wide variety of music from various cultures, time periods, and genres will be used to teach students to sing with proper vocal technique and musicality. Students will explore the basic foundations of music theory/literacy and begin to develop aural skills through the use of solfege. The choir is a performing ensemble and **students will be expected to attend a minimum of 5 performances a year: 3 concerts, Baccalaureate, and Commencement.** Students will also be expected to attend a few after school rehearsals throughout the year in preparation for these performances. **Attendance at these concerts/performance is mandatory and will comprise the majority of the student's grade.** Other grading criteria include individual vocal evaluations, written tests, and daily participation.

MUSIC DEPARTMENT (CONT.)

COURSE NO.	COURSE NAME	GRADE	COURSE TYPE
7523	DRAMA (SEMESTER COURSE)	9-12	ELECTIVE

This course will offer a basic survey of the art of Drama, covering acting, stagecraft, basic directorial skills, and an exploration of theater history. Students will increase their understanding of characterization, projection, diction, and body awareness and improve their improvisation skills through the use of theater games, scene study, monologues, and skits. Students will also be introduced to basic audition skills and etiquette. Grading criteria will include daily participation, performance tasks, brief quizzes, and written assignments.

7524	MUSIC APPRECIATION (SEMESTER COURSE)	9-12	ELECTIVE
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Music Appreciation is a semester course that examines music through music creation. Students will explore the skills and demands of being a musician by learning to play the piano and guitar. Students will also study aural skills, basic music vocabulary, and music theory in relation to reading music notation. Please note that this course requires active daily participation. Grading criteria will include daily practice, performance tasks, and brief written quizzes.

ADDITIONAL ELECTIVES

COURSE NO.	COURSE NAME	GRADE	COURSE TYPE
7600	CHILD DEVELOPMENT LAB (SEMESTER COURSE)	11-12	ELECTIVE

Students taking this course will be working with children enrolled in Logan Elementary from grades PreK through grade Four. The course allows for students to focus on a child's physical, emotional, social, and mental growth during their first years of school. Skills that will be acquired and applied in this course are planning, preparation, and presenting activities appropriate for children of ages four through ten. Topics and activities included are characteristics and needs of students, curriculum development, lesson planning, classroom management, and assessment through observation.

This course is recommended for students who want to teach early childhood / elementary education.

- Students who enroll in this course must be willing and dedicated, practice confidentiality, collaborate with peers, and attend school regularly.
- Preference for course registration will be given to upper class students

ELECTIVES OFFERED AT WESTINGHOUSE ARTS ACADEMY

COURSE NO.	COURSE NAME	GRADE	COURSE TYPE
7650	MUSIC PRODUCTION (SEMESTER COURSE)	11-12	ELECTIVE

Students will study recording studio techniques and the technology used in producing recorded music. Students will have the opportunity to create their own recorded music.

7651	STAGECRAFT (SEMESTER COURSE)	11-12	ELECTIVE
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Students will learn about technical theatre terminology, lighting and sound equipment and concepts, set construction techniques, and careers in technical theatre.

7652	INTRODUCTION TO DANCE (SEMESTER COURSE)	11-12	ELECTIVE
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Students will explore different styles of dance including Hip Hop, Jazz, Contemporary, Modern, and Ballet as well as how they have influenced each other and developed over time. This is an active dance class and requires students to participate as dancers.

****These courses are available to 11th and 12th grade students ONLY. Students enrolling in these courses will be transported to Westinghouse Arts Academy in Wilmerding every day during the semester in order to take the course, then will be transported back to the high school in time for dismissal.**

FORBES ROAD CAREER AND TECHNOLOGY CENTER

COURSE NO.	SESSION	GRADE	STATUS
8012	FIRST SESSION—AM 7:15-10AM <u>(Only for new admissions, first time attending)</u>	10,11	HALF-DAY
8022	SECOND SESSION—PM 10AM-1PM <u>(Only for students who previously attended)</u>	11,12	HALF-DAY
8032	THIRD SESSION—PM 7:15AM-1PM <u>(Only for students with special permission from Forbes Road after completing 70% of competencies.)</u>	11,12	FULL-DAY

Forbes Road Career & Technology Center

607 Beatty Road • Monroeville, PA 15146 • 412-373-8100 • FAX (412) 373-3208 • forbesroad.com

Building Construction Technology..... CIP 46.9999

Building Construction Technology students gain technical knowledge as well as practical hands-on training in the trade which includes carpentry, plumbing, electrical, masonry and blueprint reading. Individuals learn to apply technical knowledge and skills in the maintenance and repair of residential and commercial buildings.

Electrical Technology..... CIP 46.0399

Electrical Technology prepares students for entry level electrical and electronics careers. Their technical applications include green technology instruction within this state-of-the-art electrical laboratory. Computerized training equipment is utilized to prepare the students for careers in the “high-tech” electrical field.

Heating, Ventilation & Air Conditioning..... CIP 47.0201

The program trains students to become qualified HVAC technicians and mechanics. A major portion of the instruction focuses on how to install, diagnose, service and maintain residential and commercial control wiring of HVAC systems.

Landscape Design..... CIP 01.0601

Landscape Design prepares students to be employees of nurseries, greenhouses, florists or landscape businesses. The curriculum includes turf management, landscape design and safety, pest and disease management and irrigation. Students obtain practical skills on our 42 acre campus and in the new greenhouse.

Advertising Design..... CIP 50.0402

The field of advertising and commercial art requires a person who possesses a wide range of creative skills. The curriculum includes the foundation for all creative/design fields. Students apply the design principles to create a variety of products and printed materials - to reach and compel the target audience to purchase products and services.

Computer Networking & Security..... CIP 11.0901

This exciting technical course prepares students to design, maintain and secure today’s Information Technology (IT) Systems. Network Security Specialists acting as Ethical Hackers prevent data loss from cyber-attacks protecting valuable data. Network Security Specialists are in demand in Law Enforcement, corporations and government.

Multimedia Design..... CIP 11.0801

This program allows students to be creative with design presentations for entertainment, industrial and commercial applications. This curriculum utilizes digital/video cameras and projectors in conjunction with computers. Students create animations, manipulate photographs, create presentations and web pages.

Emergency Response Services..... CIP 43.9999

This program is for students interested in pursuing a career, volunteer service or post-secondary education in emergency medical, law enforcement, fire or emergency management services. ERS provides training in a fully equipped lab including a fire tower and fire truck

Health Science Technology..... CIP 51.0899

This program provides students with the hands-on training necessary to offer care to patients while working alongside other qualified health care professionals. Students will be taught basic nursing skills, Anatomy & Physiology and care of the patient with common diseases. CPR, First Aid, Bloodborne Pathogens and Direct Care Staff Worker are certifications that the students may obtain.

Advanced Manufacturing..... CIP 48.0501

Advanced Manufacturing is a high paying field that requires both technical knowledge and hands-on training. Students will read blueprints, cut, shape, and finish metal products on state-of-the-art computer controlled machines. Student projects include making motorcycle parts, race car parts, machinist tools and combat robots.

Automotive Technology..... CIP 47.0604 Automotive Technology provides instruction covering a wide range of skills for the high-tech automotive industry. This includes engines, computer diagnostics, maintenance, repair and the opportunity to earn a PA State Inspection and Emissions Certification.

Collision Repair Technology..... CIP 47.0603

The program provides the skills necessary to transform a wrecked vehicle into a masterpiece. Students receive instruction with state-of-the-art equipment for replacing or repairing auto body parts. Students learn to customize vehicles with painting techniques.

Diesel Technology..... CIP 47.0613

This program provides training on biodiesel, diesel, and gasoline powered medium/heavy trucks and equipment. This equipment is part of today's transportation, construction and manufacturing industries. Students can earn a PA State Inspection and Emissions Certification.

Warehouse Management..... CIP 52.0203

This program will actively engage students in the process of receiving, storing, shipping, controlling and distributing products. Students will use conveyors, hand trucks and carts to transport materials/supplies. They will work in the Forbes shipping and receiving department.

Cosmetology..... CIP 12.0401

This program builds skills for a variety of careers within the cosmetology industry. The course includes skills in hair, skin and nail care as well as salon procedures. Upon completion of the required hours, students will be eligible to take the PA State Boards.

Culinary Arts..... CIP 12.0508

The Culinary Arts course offers instruction in the commercial restaurant industry including: gourmet and fine dining, customer service, menu planning, cost-control, sanitation and hygiene. The curriculum encompasses the complete food cycle including nutrition, ordering processes, menu design and presentation skills

Early Childhood Education..... CIP 19.0708

The course encompasses all phases of early childhood development including physical, social, emotional and intellectual. The curriculum also includes nutrition, guidance, discipline, the value of play and the science of child development.

The Forbes (FRCTC) Advantage

- Diverse Student Body
- Exceptional Teachers
- State-of-the-Art Equipment
- Industry Certifications
- Real-World Experience
- College & Career Ready
- Academic Center
- Small Class Size
- Earn College Credits

Mission Statement

“The mission of Forbes Road Career and Technology Center is to provide quality educational programs that enable all individuals to achieve their fullest potential and become lifelong learners. Students will be equipped with the technical, academic and 21st century skills necessary to compete in the global marketplace.”

PHYSICAL EDUCATION DEPARTMENT

ALL PHYSICAL EDUCATION CLASSES WILL BE OFFERED AS A SEMESTER COURSE.

The Physical Education Program is designed to provide students with knowledge to help acquire a lifestyle that promotes personal health and well being throughout life. The Physical Education Department understands the importance of instilling in each student the fact that his/her own health is dependent upon the lifestyle choices that he/she makes. We feel confident that our curriculum provides students with the information needed to make educated decisions that will lead to a healthy life.

The Physical Education Program at East Allegheny Senior High School is a diversified activity-based program that has been designed to encompass the interest, capabilities and limitations of all students within the school system. Because Physical Education is an activity-based course, students are required to be present to earn their grade. Therefore, students must be present no less than 65% of the time to pass. Students who have missed more than 65% of their Physical Education will fail the quarter. The only exemption would be students who are medically excused or students who have their teacher's prior permission to miss class (examples include, but are not limited to: Emerging Leaders Program/ELP, Academic Support, Field Trips or Child Development Program). Activities are designed to allow students to safely and successfully engage in sports and physical fitness activities that encourage knowledge, skills and interest in personal and physical health throughout their lives.

Students enrolled in Pennsylvania schools are required by school law to participate in courses of instruction in Physical Education.

As part of the Physical Education program, all students in grades 9 through 12 will have the opportunity to select from pre-determined sports or physical activities during each nine weeks (selection is dependent upon the space that is available for each activity) for a total of two activities each nine weeks. The students will be assigned to an instructor who will teach from the following areas:

TEAM SPORTS/ACTIVITIES

Basketball
Flag Football
Gym Hockey
Soccer
Softball
Team Handball
Volleyball
Ultimate Frisbee
Mat Ball
Hot Ball

INDIVIDUAL SPORTS/ACTIVITIES

Bocce
Aquatics
Four Square
Badminton
Fitness
Table Tennis
Track and Field
Indoor Horseshoes

Students will also be required to participate in a fitness component as included in the regular Physical Education program. The fitness component will include various fitness activities and fitness games as well as setting fitness goals.

MEDICALLY EXCUSED STUDENTS

When a physician indicates that a student must be excused from a specific activity, an attempt will be made to place him/her in another activity, with the physician's approval. Additionally, students who are medically excused from Physical Education are not permitted to participate in athletics for the duration of the medical excuse. Students who are medically excused from Physical Education may be required to complete a written project pertaining to Health and Physical Education. Upon completion of the assigned project(s), the student's work will be evaluated and the grade earned will be the student's grade for Physical Education.

When a student is able to return to physical education, a physician's medical release must be presented (unless a release date is provided on the initial excuse) to the physical education teacher before any activity will be permitted.