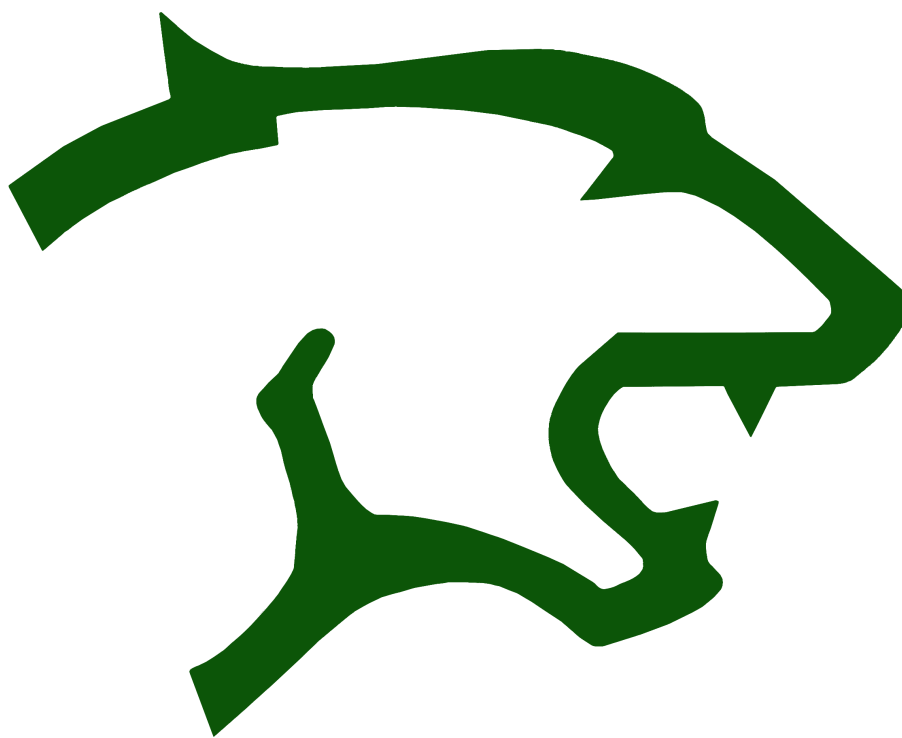


ARTHUR P. SCHALICK HIGH SCHOOL

Pittsgrove, New Jersey



PROGRAM OF STUDIES

2020-2021

Growing All Learners to Thrive

Established in 1976, Arthur P. Schalick High School continues to pursue excellence in all facets of the educational experience.

DISTRICT PHILOSOPHY

Our philosophy of education is based on the premise that each student is a unique and valuable individual and therefore deserving of equal opportunity in the educational process—regardless of social class, race, sex, creed, or ability. We believe each student has the right to be treated in ways that show respect for his dignity as a human being and that will permit him to develop and retain respect for himself as a person. We possess the fundamental belief that every student is growth oriented with continually emerging capacities for experiencing, for learning, for feeling, and for behaving. Consequently, all students have the right to conditions, relationships, and experiences that will foster maximum development of potentials physically, socially, intellectually, and emotionally. Finally, we believe that education is a shared experience involving students, teachers, administrators, parents, and the community. We, therefore, endeavor to work in the community to achieve the education of the total person and to affect his development as a competent individual in society.

VISION STATEMENT

Arthur P. Schalick High School is committed to achieving and maintaining a challenging and motivating learning environment where all members of the school community feel safe and supported and where improved academic and social growth is a reflection of high academic standards, personal and social development, family involvement, and meaningful collaboration and communication within and among its stakeholders. All members of the school community will strive to create an environment where students demonstrate P.R.I.D.E. and will be able to develop into productive global citizens.

MISSION STATEMENT

Staff at the high school will provide a program designed to meet the changing needs of our students. In order to address these needs, it is our belief that the total school staff must function in a partnership with students, parents, and the community to create and maintain an educational foundation that will prepare students for post-high school success. To address these needs, the school community will strive for excellence with the expectation that each student demonstrate the following: **P**atience, **R**espect, **I**ntegrity, **D**iligence, **E**mpathy.

MESSAGE FROM THE PRINCIPAL

Dear Parents/Guardians and Students:

The selecting of courses is one of the most important and critical processes in a student's high school career, and this guide provides pertinent information about the curricular offerings at Arthur P. Schalick High School. Please review the guide carefully. In order to meet the changing needs of our students and community, we continually refine our programs and offerings. The 2020-2021 Program of Studies had been modified to include additional planning guides, such as Qualifying courses, Program of Study Pathways and accompanying career opportunity references, and notations for our Dual Credit Program with Salem Community College.

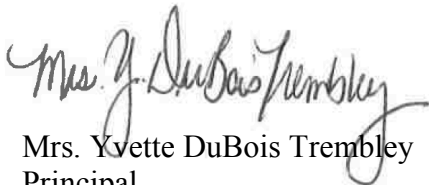
Planning an academic path is a team effort. The booklet itself should not be considered the final authority; further discussion with family, counselor, and teachers should carry great weight in determining course selections. Students who are planning to pursue further education should begin early to consult sources of information on specific academic requirements and then compare those requirements with your high school selections. Before making selections, please review graduation requirements with your school counselor—as they have changed in recent years. Also, give due consideration to the student's personal goals, abilities, and motivation; choose your courses with care.

Once you have chosen your courses and the master schedule has been established, changes will be restricted to those in which an error was made. Some courses may not be offered due to low enrollment. Therefore, all students should carefully select alternate elective courses.

Earning a high school diploma is just the beginning of your child's future successes. The staff members at Arthur P. Schalick High School are eager to work with you to ensure that your child experiences the satisfaction of being handed his/her diploma on Graduation Day. Encourage your child to take courses that will affirm his/her interests and expand his/her knowledge. *We seek to grow all learners to thrive.*

GO COUGARS!

Sincerely,



Mrs. Yvette DuBois Trembley
Principal

ARTHUR P. SCHALICK HIGH SCHOOL

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CENTRAL ADMINISTRATION

Dr. Scott Hoopes, Superintendent
Darren Harris, Business Administrator/Board Secretary
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Yvette DuBois Trembley, Principal
Douglas Volovar, Assistant Principal

DISTRICT ADMINISTRATORS/SUPERVISORS

Michael Clarke, Athletic Director/Supervisor Physical Education & Health
Alicia Romolini, Supervisor of Special Education
Angela Williams, Director of School Counseling
Robert Rosenheim, Supervisor of Humanities
Melissa Bonham, Supervisor of STEM (Science, Technology,
Engineering & Math)

GUIDANCE STAFF

Corinn Cole, School Counselor (last names A-F, S-Z)
Joellen Collins-Cardona, School Counselor (last names G-R)
Dawn Vicari, Secretary

AFFIRMATIVE ACTION POLICY

It is the intention of the Board of Education that equal opportunity for both sexes in all areas of the educational programs are provided and that discrimination of either, for whatever purpose, shall not exist. Additional information regarding the Affirmative Action Policy can be found on our website www.pittsgrove.net.

Copies of the District's comprehensive equity plan, policies, and grievance procedures are maintained in the office of the Affirmative Action Officer, Ms. Angela Williams. The Affirmative Action Officer's office is located in the Guidance Suite at Arthur P. Schalick High School.

HARASSMENT, INTIMIDATION, AND BULLYING

The harassment, bullying, and intimidation of students or employees by faculty, administrators, support staff, other employees, or students are prohibited by federal and state laws as well as district policy. Everyone in the Pittsgrove Township School community has a right to an environment void of coercion and discrimination. It is the RESPONSIBILITY of each person affiliated with the district to respect the personal dignity of others. The Pittsgrove Township School District recognizes the dignity and worth of each individual within the district. Sexual harassment, discrimination, and bullying of any kind will not be tolerated within the Pittsgrove Township School District. Copies of the HIB policy are available on the district website at www.pittsgrove.net

TABLE OF CONTENTS

Introduction	5
Guidelines for Scheduling	5
Scheduling Requirements	5
Changes in Program	6
Organization of the Academic Program	6
Making Selections	6
Advanced Placement (AP) Courses	6
Honors	7
College Preparatory Courses.....	7
Pathway to College	7
Activities and Athletic Eligibility	8
Class Rank and Awards	9
Grading.....	10
Graduation Requirements/Progression	10
APSHS Qualifying Courses for Graduation Requirements	11
APSHS Testing Program	12
NJSLA Graduation Testing Requirements	12
Program of Study Offerings – Explanation	14
Health Science and Medicine Program of Study.....	16
Engineering Program of Study	17
Information Technology Program of Study	18
Business Program of Study	19
Education Program of Study	20
Academic and Elective Course Descriptions	
Visual & Performing Arts Electives	22
Music Electives Introduction	23
Salem County Visual & Performing Arts Academy	
Visual Arts	25
Dance.....	27
Theater.....	28
Physical Education & Health	30
English Language Arts & Literacy.....	32
Mathematics.....	35
Science	40
Social Studies.....	46
World Language.....	50
21 st Century Life and Career	54
Science, Technology, Engineering & Mathematics (STEM) – Project Lead the Way.....	58
Financial Literacy/Economics	59
Non-Credit Selections	61
Option Two	63
Dual Credit Courses	62
Salem County Vocational-Technical School Programs.....	64
Salem County Academy Programs.....	69
High School Program Planner & Worksheet	72
Course Recommendation Form	73
Course Registration Forms	74
Enrichment Course Registration Form	77

INTRODUCTION

Arthur P. Schalick High School offers a curriculum that varies in scope and flexibility in meeting the individual needs of its students. Required courses provide a balanced foundation for higher education and future vocations as well as fulfill the requirements of the New Jersey Student Learning Standards. After meeting district and state graduation requirements, students are free to select from a variety of electives that are designed to assist them in developing their personal interests and in achieving their goals.

THE GUIDANCE PROGRAM

The Guidance Program is designed to help students acquire competence in career planning and exploration, knowledge of self and others, and educational and vocational development. Guidance offers structured, developmental experiences through classroom presentations and individual and group activities. The Guidance Program consists of activities designed to help students plan, monitor, and manage their own learning as well as their personal and career development. Students will be required to evaluate their educational, occupational, and personal goals and plans.

The assistance of parents in providing support of the educational process and the value of education to the quality of life of the individual is vitally important. Communication between the home and school is encouraged.

GUIDELINES FOR SCHEDULING

The Guidance staff will make every effort to assist students in the selection of courses in which they can experience both success and academic growth. Standards, which have proven successful in the past, will be used as guidelines during the course selection and scheduling process. Careful consideration should be given to career goals, abilities, and achievement. The most predictable measures for students entering 9th grade are teacher recommendations and grades earned in related courses. The most important criteria for students already enrolled in the high school program are the prerequisite courses and the grades earned in these courses. Since most subjects are sequentially developed over a period of years, the mastering of prerequisite requirements is critical.

Schalick High School students who are eligible for Special Education Services are provided several options as prescribed by their Individual Educational Plans. Special programs include self-contained classes, support instruction, in-class resource as well as counseling. The student's Individual Educational Plan determines the least restrictive environment and degree of services provided to each student.

SCHEDULING REQUIREMENTS

- Freshmen, Sophomores, and Juniors will take eight classes and one or two Enrichment offerings.
- All students must take at least one English and one Health/Physical Education class each year (Freshman, Sophomore, Junior, Senior).
- Participation in the Salem County Vocational-Technical Program is equivalent to four (4) courses or 20 credits.

CHANGES IN PROGRAM

Choose courses with care. Once a student has selected his or her courses, and the master schedule is determined, changes will be restricted to those where an error was made or where a course is necessary for graduation. Some courses may not be offered due to lack of sufficient enrollment.

Changes relating to lack of success in previous courses should be made as soon as the school year ends and before the end of July. **It is strongly recommended that a student receiving a failing final average in a required course take the course in summer school.** It is the student's responsibility to visit the Guidance Office to get information about summer school.

Students and parents should be aware that it is sometimes impossible to accommodate requests to change courses during the summer as well as after the school year begins because of limitations in class size, teacher availability, and course offerings/sections.

Unfortunately, there have to be some limitations on schedule changes. For example, changes will not be made if the reason for the request is to move a class to a more convenient time or to change teachers.

Students who choose to drop a course must do so during the specified timeframe. Counselors are available during the summer for students to make schedule changes.

ORGANIZATION OF THE ACADEMIC PROGRAM

An important decision for the high school student is the choice of the pattern of subjects followed each year. Guidance counselors, teachers, and parents will assist each individual in selecting those courses which will best fit the individual's capabilities, needs, and interests. Increasingly, students must learn to make lifelong decisions. When selecting courses, they must consider the requirements for higher education and occupations. However, they should seek help in securing appropriate information.

MAKING SELECTIONS

Preparation for course work is important in making wise course selections. Future goals, acquired skills, readiness, academic achievement, and motivation toward learning are important factors to consider when selecting the level of study in various subjects. Consider the following:

ADVANCED PLACEMENT COURSES

College Board approves all Advanced Placement (AP) courses. AP courses provide students an opportunity for learning that goes beyond just facts and figures. The rich course material, classroom discussions, and demanding assignments typical of AP courses will help your child develop the content mastery and critical thinking skills expected of college students. More importantly, by participating in AP, your child is given the chance to earn college credit and to stand out in the college admissions process.

College Board requires an exam fee for each AP course. The 2019-2020 exam fee is \$94. The fee amount is subject to change. If a student does not take the AP exam, they will not receive weighted value points (5.5) for class rank and GPA.

HONORS

Honors courses are for those students who possess the ability to demonstrate outstanding academic achievement in a respective field of study or skill area. Honors and Advanced Placement courses are an opportunity for students to undertake a demanding and in-depth study of a subject area.

In order to qualify to register for Honors and Advanced Placement courses, students should earn a **“B”** or better in the prerequisite course.

COLLEGE PREPARATORY COURSES

College preparatory courses are recommended for those students who plan to continue their education beyond high school. College preparatory students must be highly motivated toward learning and seek academic challenge and exploration in specific fields of study or skill areas. Students enrolled in college preparatory courses must demonstrate the ability to deal with abstract concepts and exhibit strong reading and writing skills.

PATHWAY TO COLLEGE

There are many similarities between high school and college. In college, students will take notes in class, do homework, study for tests, write research papers, and take final exams just like they do in high school. They will also participate in extracurricular activities and have part-time jobs. Almost everything that students do in high school prepares them for college.

The more successfully students handle their high school years, the more ready they will be for college. For example, students who have written several research papers in high school will not be overwhelmed when faced with their first research paper assignment in college. Furthermore, students who have learned how to take lecture notes in high school will feel comfortable in college classes where lecturing is often the major method of instruction. They will know how to listen for and write down what is important.

A successful college experience depends on more than a student's academic skills. Students who have learned how to divide their time between schoolwork, extracurricular activities, jobs, and social demands in high school will know how to handle the many conflicting demands on their time at college. Students who have set and achieved goals during their high school years will find it easy to set goals for themselves in college. In the same way, students who have been thinking about possible career choices while they are in high school will find career decisions much simpler to make in college. Finally, students who carefully plan their high school curriculum will find it easier to be admitted to college.

Since entrance requirements vary among colleges, students should see their counselor and review college handbooks for schools that they are considering. General guidelines for four-year colleges include a minimum of sixteen (16) academic units in the following areas:

- 4 units.....Language Arts/Literacy (English)
- 4 units.....Math (may include Algebra I, Geometry, Algebra II, Pre-Calculus, Statistics, Calculus)
- 3-4 units.....Science (including at least 2 Laboratory Sciences) i.e. Biology, Chemistry, Physics, Applied Environmental Science
- 3-4 units.....World History, US I, and US II
- 2-4 units.....World Language
- 2-4 units.....Additional academic electives

In addition to meeting these sixteen (16) academic units, several other factors will influence the type of college that you will be able to attend.

These include the following:

- College Entrance Requirements
- SAT/ACT Scores
- Strength of your High School Curriculum (most challenging courses)
- Grade Point Average
- Rank in Class
- Resume
- Teacher and Counselor Recommendations
- SAT Subject Test (if required)
- ACT Writing (if required)

It is the personal responsibility of students to be aware of the various admissions requirements set by the college of their choice. It is never too early to begin planning for college. The Guidance Office utilizes Naviance as well as other online career search engines to help students in their search for colleges.

***Students participating in the Academy program may not necessarily be admitted into a specific college prep or honors level course due to scheduling of the core technical arts components; however, all efforts will be made to accommodate when possible.**

ACTIVITIES AND ATHLETIC ELIGIBILITY

It is recognized that participation in co-curricular activities and athletics can prove to be a valuable experience for the high school student. All participants will comply with both Pittsgrove Township Board of Education Policy and NJSIAA Rules and Regulations. Eligibility is based on age, previous credits earned, and grades earned for the semester prior to participation. To be eligible for co-curricular activities and athletics during the fall and winter seasons, a student must have passed **30** credits for the preceding year. All 9th grade students are eligible upon entering high school. To be eligible for co-curricular activities and athletics during the spring season, a student must have earned a minimum

of 15 credits in coursework during the fall semester. These are general guidelines for eligibility. Any student or parent with questions should address either a Guidance Counselor or the Athletic Director.

CLASS RANK AND AWARDS

Graduation awards will be based on class rank. All courses taken in grades 9-12 are included in calculating class rank with exceptions as noted in course descriptions. Class rank will be calculated by multiplying credits with grades to arrive at a Quality Point Total. The quality points total will be divided by the number of credits to determine a weighted Grade Point Average (GPA) for graduation awards and class rank. Class rank will be calculated at the end of the sophomore year and at the end of the junior year. Final class rank will be calculated at the end of the first semester of senior year. Class rank and GPA are reported on transcripts.

Grades will be weighted in Honors and Advanced Placement courses as follows:

Grade Point Average (GPA)

Advanced Placement	Honors	College Prep
A - 5.5	A - 5	A - 4
B - 4.5	B - 4	B - 3
C - 3.5	C - 3	C - 2
D - 2.5	D - 2	D - 1
F - 0	F - 0	F - 0

In calculating a student's rank, an **example** will illustrate:

(W = Weighted U = Unweighted)

Subject			W	U		W	U
English (H)	5	B	4	3	=	20	15
Chemistry (H)	5	C	3	2	=	15	10
Yearbook	5	A	4	4	=	20	20
Art I	5	C	2	2	=	10	10
Algebra II CP	5	B	3	3	=	15	15
PE/Health	5	C	2	2	=	10	10
Spanish II CP	5	B	3	3	=	15	15
US II AP	5	B	4.5	3	=	22.5	15
Seminar	2.5	B	4.5	3	=	11.25	7.5
(Includes seminar)							
Total	42.5					138.75	117.5

138.75 ÷ 42.5 = 3.26 Weighted Grade Point Average (for class rank)

117.5 ÷ 42.5 = 2.76 Unweighted Grade Point Average (reported)

Transfer students must attend Schalick High School at least one full year in order to qualify for senior awards.

GRADING

A	93-100
B	85-92
C	75-84
D	70-74
F	0-69

The quarterly average will be determined by a combination of the following: quiz grades, test grades, classwork, homework, writing assignments, class participation, projects, performances, and by other appropriate evaluative criteria of student progress. The final grade for a course, which requires an exam, is determined by the following: each marking period grade is worth 45% and the exam is worth 10%.

All incomplete grades must be changed to a final grade within 10 days of the end of the marking period.

If there are any questions or concerns about final grades, they must be addressed within 2 weeks of being issued. All grades become final at the end of the 2-week period.

GRADUATION REQUIREMENTS/PROGRESSION

In order to graduate from Arthur P. Schalick High School and receive a New Jersey High School Diploma endorsed by Pittsgrove Township Board of Education, each student must complete the following:

- Earn a minimum of 135 credits
- Demonstrate proficiency on all state required assessments
- Earn a minimum grade of 70 in all courses
- Not exceed the district attendance policy

In order to advance to the next grade level, students must earn the following credits each year:

Freshman.....	0-30
Sophomore.....	35-65
Junior.....	70-100
Senior	105-135

APSHS QUALIFYING COURSES FOR GRADUATION REQUIREMENTS

SUBJECT	REQUIRED CREDITS	ELIGIBLE COURSES
Language Arts Literacy	20	English 9, English 10, English 11, English 12 , AP Language and Composition, AP Literature and Composition
Mathematics	20	Algebra I, Algebra IA/IB, Geometry, Algebra II, Algebra IIA/IIB , Pre-Calculus, Calculus, AP Calculus AB, Probability and Statistics, AP Statistics, Essential Math for College and Career
Science	15	Integrated Science, Biology, Chemistry, Physics, AP Physics , Environmental Science
Social Studies	15	World History, US History I, US History II , AP US History II
Financial, Economic, Business, and Entrepreneurial Literacy	2.5 credits required by NJDOE	Life Management and Personal Finance, Accounting, Entrepreneurship, Managing Money and Financial Literacy
Health, Safety, and Physical Education	20	9-12 PE/Health
Visual and Performing Arts	5	Explorations in Art, Sculpture, Advanced Studio Arts, Creative Arts, Drawing/Painting, Concert Band, Guitar Workshop, Ukulele, History of Rock and Roll
World Languages	5	French I, II, III, IV; Spanish I, II, III, IV, World Cultures & Conversation

21st Century Life and Careers or Career-Technical Education	5	Computer I, Computer II, AP Computer Science A, Computer Art, Computer Art II, Desktop Publishing, Dynamics of Applied Health & Med., Early Childhood Development & Careers, Exercise Science, Introduction to Programming and Computer Science, Media, Sports Management, Sports Medicine, Street Law, Webpage Design
Electives	25	See all courses under the heading of Electives

Note – Courses in **bold** are required per NJDOE High School Graduation Requirements.

A. P. SCHALICK HIGH SCHOOL TESTING PROGRAM

- Accuplacer — College Entrance Exam
- Final Exams — All Course Subjects
- New Jersey Student Learning Assessments (NJSLA)
- Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Test
- (PSAT/NMSQT) — Grades 9-11
- Scholastic Aptitude Test (SAT I) — Grades 10, 11, and 12
- Scholastic Aptitude Test (SAT II) — Grades 10, 11, and 12
- American College Test (ACT) — Grades 11 and 12
- ASVAB: Armed Services Vocational Aptitude Battery — Grades 11 and 12

A. P. SCHALICK HIGH SCHOOL CEEB CODE 310-221

The testing program at Schalick High School has been chosen to assess student progress. Registration is required for ACT, PSAT/NMSQT, SAT I, and SAT II tests. The PSAT/NMSQT and SAT will be offered at Schalick High School. Registration forms and information on ACT, SAT I, and SAT II tests are available through the Guidance Office, the Guidance Office website, Naviance, www.collegeboard.com, or www.act.org.

NJSLA GRADUATION TESTING REQUIREMENTS

Students in the classes of 2021 and 2022 must demonstrate proficiency in both ELA and Math by meeting ONE of the criteria listed below:

Pathways Available	English Language Arts/Literacy (ELA)	Mathematics
First Pathway: <i>Demonstrate proficiency in the high school end-of-course NJSLA/PARCC assessments in ELA-10 and/or Algebra I</i>	NJSLA/PARCC ELA Grade 10 \geq 750 (Level 4)	NJSLA/PARCC Algebra I \geq 750 (Level 4)

<p>Second Pathway: <i>Demonstrate proficiency in English language arts and/or mathematics by meeting the designed cut score on one of the alternative assessments</i></p>	<p>NJSLA/PARCC ELA 9 \geq 750 (Level 4), <i>or</i></p> <p>NJSLA/PARCC ELA 11 \geq 725 (Level 3), <i>or</i></p> <p>SAT Critical Reading (taken before 3/1/16) \geq 400, <i>or</i></p> <p>SAT Evidence-Based Reading and Writing Section (taken 3/1/16 or later) \geq 450, <i>or</i></p> <p>SAT Reading Test (taken 3/1/16 or later) \geq 22, <i>or</i></p> <p>ACT Reading or ACT PLAN Reading** \geq 16, <i>or</i></p> <p>ACCUPLACER WritePlacer \geq 6, <i>or</i></p> <p>ACCUPLACER WritePlacer ESL \geq 4, <i>or</i></p> <p>PSAT10 Reading or PSAT/NMSQT Reading (taken before 10/1/15) \geq 40, <i>or</i></p> <p>PSAT10 Reading or PSAT/NMSQT Reading (taken 10/1/15 or later) \geq 22, <i>or</i></p> <p>ACT Aspire Reading** \geq 422, <i>or</i></p> <p>ASVAB-AFQT Composite \geq 31</p>	<p>NJSLA/PARCC Geometry \geq 725 (Level 3), <i>or</i></p> <p>NJSLA/PARCC Algebra II \geq 725 (Level 3), <i>or</i></p> <p>SAT Math (taken before 3/1/16) \geq 400, <i>or</i></p> <p>SAT Math Section (taken 3/1/16 or later) \geq 440, <i>or</i></p> <p>SAT Math Test (taken 3/1/16 or later) \geq 22, <i>or</i></p> <p>ACT or ACT PLAN Math** \geq 16, <i>or</i></p> <p>ACCUPLACER Elementary Algebra \geq 76, <i>or</i></p> <p>Next-Generation ACCUPLACER Quantitative Reasoning, Algebra, and Statistics (QAS) (beginning January 2019) \geq 255, <i>or</i></p> <p>PSAT10 Math or PSAT/NMSQT Math (taken before 10/1/15) \geq 40, <i>or</i></p> <p>PSAT10 Math or PSAT/NMSQT Math (taken 10/1/15 or later) \geq 22, <i>or</i></p> <p>ACT Aspire Math** \geq 422, <i>or</i></p> <p>ASVAB-AFQT Composite \geq 31</p>
<p>Third Pathway: <i>Demonstrate proficiency in English language arts and/or mathematics through Portfolio Appeals</i></p>	<p>Meet the criteria of the NJDOE Portfolio Appeal for ELA</p>	<p>Meet the criteria of the NJDOE Portfolio Appeal for Math</p>

**Test is no longer administered but can be used for the graduating year.

Beginning on Monday, January 28, 2019, classic ACCUPLACER tests were no longer available. QAS replaced ACCUPLACER Elementary Algebra.

Students in the Class of 2023 and Beyond: The NJDOE is committed to providing fair notice to students and educators and will continue to collaborate with stakeholders to transition to the next generation of statewide assessments.

PROGRAM OF STUDY OFFERINGS

The Program of Study course sequences detailed on the following pages are created to assist students and their parents in developing a plan to achieve the goals for a student's future career in these particular fields. We acknowledge that there are a multitude of fields for which there is not a pathway noted but hope that these pathways can serve as a guide. These pathways are built around the current course offerings within A.P. Schalick High School, and it is our goal to continue to build additional pathways in the future. These course sequences are recommended for these particular fields of study. Any deviation from the sequence should be to meet an individual's abilities, interests, needs, and/or circumstances and should be discussed with a counselor.

The Program of Study offerings established by the district aim to assist students in the following ways:

- *Identify how specific courses/pathways correspond to specific careers*
- *Support students in identifying or expanding their interests in specific fields or skill areas*
- *Help make career decisions*
- *Build capacity for students to thrive in secondary and post-secondary opportunities*

A.P. Schalick High School has established the following *five (5) Program of Study pathways* to assist students in the identification of future career goals in the following areas:

- 1. Health Science and Medicine**
- 2. Engineering (STEM)**
- 3. Information Technology**
- 4. Business**
- 5. Education**

Program of Study Offerings

Health Science and Medicine Program of Study

Course Sequence

9th Grade	10th Grade	11th Grade	12th Grade
English 9 (H or CP)	English 10 (H or CP)	English 11 (AP, H, CP)	English 12 (AP, H, CP)
Health/PE	Health/PE	Health/PE	Health/PE
World History (H or CP)	US History I (H or CP)	US History II (AP, H, CP)	Financial Literacy or Elective
Algebra I or Geometry (H or CP)	Geometry or Algebra II (H or CP)	Algebra II or Pre- Calculus (H or CP)	AP Calculus or Calculus or AP Statistics or Statistics or Essential Math for College & Career
Visual/Performing Arts Elective	Financial Literacy or Elective	Elective (Computer Science or Business)	Elective (Computer Science or Business)
Integrated Science (H or CP)	Biology (H or CP)	Chemistry (H or CP)	AP Biology or AP Physics or Honors Physics
World Language	World Language	World Language or Elective	World Language or Elective
Allied Health & Medical Science	Exercise Science	Anatomy & Physiology (H or CP)	Science/Health Elective

Recommended electives for Health/Medicine students: Psychology, Introduction to Computer Science, Computer I and II, Computer Art I and II, American Government, Lifetime Fitness, Sports Medicine/Athletic Training, Marine Science, Entrepreneurship, Web Page Design

Health Science and Medicine Career Opportunities

- Physician (Nuclear Medicine, Sports Medicine, Naturopathic)
- Surgeon
- Therapist (Physical, Occupational)
- Medical and Health Services Manager
- Medical Scientist
- Athletic Trainer
- Nurse/Nurse Practitioner/Physician's Assistant

- Veterinarian
- Veterinary Technologists and Technicians
- Radiologist
- Environmental Science and Protection Technician
- Bioinformatics Scientist
- Orthotists and Prosthetists
- Family and General Practitioner

Engineering Program of Study

Course Sequence

9th Grade	10th Grade	11th Grade	12th Grade
English 9 (H or CP)	English 10 (H or CP)	English 11 (AP, H, CP)	English 12 (AP, H, CP)
Health/PE	Health/PE	Health/PE	Health/PE
World History (H or CP)	US History I (H or CP)	US History II (AP, H, CP)	Financial Literacy or Elective
Algebra I or Geometry (H or CP)	Geometry or Algebra II (H or CP)	Algebra II or Pre-Calculus (H or CP)	AP Calculus or Calculus or AP Statistics or Statistics or Essential Math for College & Career
Visual/Performing Arts Elective	Financial Literacy or Elective	Elective (Computer Art or Computer Science or Business)	Elective (Computer Art or Computer Science or Business)
Integrated Science (H or CP)	Biology (H or CP)	Chemistry (H or CP)	AP Biology or Science Elective
World Language	World Language	World Language or Elective	World Language or Elective
Intro to Engineering (PLTW)	Civil Engineering and Architecture	Principles of Engineering (PLTW)	Engineering Design and Development

Recommended electives for Engineering students: Introduction to Computer Science, Computers I and II, Computer Art I and II, Psychology, American Government, Entrepreneurship, Web Page Design, Managing Money and Financial Literacy

Engineering Career Opportunities

- Electronics Engineering Technician
- Electrical Engineering Technologist
- Environmental Engineering Technician
- Industrial Engineering Technician
- Nanotechnology Engineering Technician

- Civil Engineering Technician
- Electromechanical Engineering Technologist
- Engineer: Civil, Biomedical, Mechanical, Aerospace
- Engineering Teacher

Information Technology Program of Study

Course Sequence

9th Grade	10th Grade	11th Grade	12th Grade
English 9 (H or CP)	English 10 (H or CP)	English 11 (AP, H, CP)	English 12 (AP, H, CP)
Health/PE	Health/PE	Health/PE	Health/PE
World History (H or CP)	US History I (H or CP)	US History II (AP, H, CP)	Financial Literacy or Elective
Algebra I or Geometry (H or CP)	Geometry or Algebra II (H or CP)	Algebra II or Pre- Calculus (H or CP)	AP Calculus or Calculus or AP Statistics or Statistics or Essential Math for College & Career
Visual/Performing Arts Elective	Financial Literacy or Elective	Elective (Computer Art or Business)	Elective (Computer Art or Business)
Integrated Science (H or CP)	Biology (H or CP)	Chemistry (H or CP)	AP Science or Science Elective
World Language	World Language	World Language or Elective	World Language or Elective
Introduction to Computer Science	Computer I	Computer II	AP Computer Science A

Recommended electives for Information Technology students: Computer Art I and II, Psychology, American Government, Entrepreneurship, Web Page Design, Managing Money and Financial Literacy, Introduction to Engineering, Allied Health, Marine Science, Intro to Engineering, Civil Engineering and Architecture, Principals of Engineering, Engineering Design and Development

Information Technology Career Opportunities

- **Information Technology Project Manager**
- **Geographic Information Systems Technician**
- **Geospatial Information Scientist and Technologist**
- **Informatics Nurse Specialist**
- **Computer and Information Research Scientist**
- **Instructional Designer and Technologist**

- **Information Security Analyst**
- **Bioinformatics Technician**
- **Computer Network Architect**
- **Business Intelligence Analyst**
- **Computer Systems Analyst**
- **Computer Programmer**
- **Computer Systems Engineer/Architect**
- **Software Developer**

Business Program of Study

Course Sequence

9th Grade	10th Grade	11th Grade	12th Grade
English 9 (H or CP)	English 10 (H or CP)	English 11 (AP, H, CP)	English 12 (AP, H, CP)
Health/PE	Health/PE	Health/PE	Health/PE
World History (H or CP)	US History I (H or CP)	US History II (AP, H, CP)	Elective
Algebra I or Geometry (H or CP)	Geometry or Algebra II (H or CP)	Algebra II or Pre- Calculus (H or CP)	AP Calculus or Calculus or AP Statistics or Statistics or Essential Math for College & Career
Visual/Performing Arts Elective	Elective (Computer Science or Computer Art or Business/Economics)	Elective (Computer Science or Computer Art)	Elective (Computer Science or Computer Art)
Integrated Science (H or CP)	Biology (H or CP)	Chemistry (H or CP)	AP Science or Science Elective
World Language	World Language	World Language or Elective	World Language or Elective
Managing Money and Financial Literacy	Sports Management or Allied Health or Accounting or Elective	Entrepreneurship	Website Page Design-- Website Composition

Recommended electives for Business students: Introduction to Computer Science, Computers I and II, Computer Art I and II, Psychology, American Government, Introduction to Engineering, Lifetime Fitness, Outdoor Adventures

Business Career Opportunities

- **Business Continuity Planner**
- **Agent/Business Manager of Artists, Performers, Athletes**
- **Business Intelligence Analyst**
- **Business Teacher**
- **Computer Systems Analyst**
- **Marketing Manager**

- **Software Developer (Systems Software)**
- **Information Technology Project Manager**
- **Bookkeeping**
- **Accounting**
- **Audit Clerk**

Education Program of Study

Course Sequence

9th Grade	10th Grade	11th Grade	12th Grade
English 9 (H or CP)	English 10 (H or CP)	English 11 (AP, H, CP)	English 12 (AP, H, CP)
Health/PE	Health/PE	Health/PE	Health/PE
World History (H or CP)	US History I (H or CP)	US History II (AP, H, CP)	Financial Literacy or Elective
Algebra I or Geometry (H or CP)	Geometry or Algebra II (H or CP)	Algebra II or Pre- Calculus (H or CP)	AP Calculus or Calculus or AP Statistics or Statistics or Essential Math for College & Career
Visual/Performing Arts Elective	Financial Literacy or Elective	Elective	Elective
Integrated Science (H or CP)	Biology (H or CP)	Chemistry (H or CP)	AP Science or Science Elective
World Language	World Language	World Language or Elective	World Language or Elective
Media I or Elective	Early Childhood Development & Careers	Psychology	Elective

Recommended electives for Education students: Entrepreneurship, American Government, World Geography, Contemporary U.S. Issues, Lifetime Fitness, Probability and Statistics, Web Page Design

****Note for Education students:** Select electives that focus on a content area: history, math, science, art, music, engineering, business, health, computers, computer science.

Education Career Opportunities

- | | |
|---|--|
| <ul style="list-style-type: none"> • Teacher • Professor • School Counselor • Speech, Occupational, or Physical Therapist • School Psychologist • Social Worker | <ul style="list-style-type: none"> • LDTC (Learning Disabilities Teacher Consultant) • Nurse • Administrator • Director • Curriculum Developer • Educational Consultant • Instructional Coach |
|---|--|

Academic and Elective Course Descriptions

VISUAL AND PERFORMING ARTS ELECTIVES

ADVANCED STUDIO ARTS CP

5 credits

Grades 11,12

This is a non-sequential course offered to students who have completed at least two other art courses, such as Explorations in Art, Creative Arts I or II, Sculpture, or Drawing/Painting. Students will study the role of the artist in their own society and in other cultures. The student will seek personal inspiration through the study of a variety of art genres such as Art Nouveau, Surrealism, and Modern Art. Use of Adobe Photoshop will further the student's technique and creativity within their own designs. **Prerequisite:** *Successful completion of at least two other art courses in any combination.*

CREATIVE ARTS I

5 credits

Grades 9, 10, 11, 12

Students will explore a variety of media while creating both two and three-dimensional works. In Creative Arts, students are encouraged to experiment with concepts and techniques while being inspired by non-traditional artists, concepts, and works of art. There is an emphasis on arts and crafts. Students will utilize elements and principles of art to create prints, weavings, mosaics, jewelry pieces, and masks—involving a variety of tools and materials. Historical and cultural aspects of various world civilizations are studied.

CREATIVE ARTS II

5 credits

Grades 10, 11, 12

There will be a continued emphasis on arts and crafts. Students will continue to explore the arts from around the world as a basis for creating and expanding their own artistic styles and techniques. **Prerequisite:** *Successful completion of Creative Arts I.*

DRAWING/PAINTING

5 credits

Grades 10, 11, 12

This is a second-level art course focusing on two-dimensional media. Students will continue to explore the elements and principles of art, current and past practicing artists, technique, and concept as it pertains to art making. A variety of two-dimensional media will be explored including but not limited to the following: pencil, charcoal, pastels, acrylics, watercolors, etc. **Prerequisite:** *Successful completion of Explorations in Art or Creative Arts.*

EXPLORATIONS IN ART
Grades 9, 10, 11, 12

5 credits

This is an introductory course to the visual arts. The content covers a variety of concepts and drawing media, painting and color theory as well as techniques in perspective. Students learn about art history and visual art careers.

SCULPTURE
Grades 9, 10, 11, 12

5 credits

Students will discover the connections between Sculpture and other art disciplines as they relate specifically to three-dimensional art. Students will gain knowledge in additive, subtractive, and assemblage techniques as sources of construction. This class explores the various materials used to create sculptures, which include plaster, clay, paper maché, and recycled materials. Students learn how to manipulate these materials and use sculpting tools safely. They analyze other works of sculpture through reading and discussion and critique and examine geometric, abstract, and organic forms. **Prerequisite:** *Explorations of Art or Creative Arts I*.

MUSIC ELECTIVES

CONCERT BAND (*SPRING ONLY*)
Grades 9, 10, 11, 12

5 credits

This course is for students with previous experience on a traditional band instrument. Continued emphasis is given to the development of musicianship and basic skills through a repertoire of appropriate level band literature. Concert Band will provide experience in the field of instrumental performing for the Winter and Spring Concert Season (Spring Semester). Each class will provide opportunity for rehearsal for upcoming performances. As part of training experience, students will participate in performances, which will include a Spring Concert and Graduation.

CHORUS (AFTER SCHOOL)
Grades 9, 10, 11, 12

1.25 credits

This course is offered after school as a pass/fail course. The chorus is a performing group designed to challenge the interest and ability of students. The objectives are to stimulate interest, enjoyment and appreciation of good choral music through group and individual participation. Assemblies, concerts, and public performances will be scheduled as a part of the training experience for this class. Students are expected to accept the responsibility to participate in these performances as well as in extra rehearsals necessary for their preparation.

JAZZ BAND (AFTER SCHOOL)
Grades 9, 10, 11, 12

1.25 credits

This course is offered after school as a pass/fail course. The Jazz Band is a performing group designed to challenge the interest and ability of students. The objectives are to stimulate interest, enjoyment and appreciation of good jazz band music through group and individual participation. Assemblies, concerts, and public performances will be scheduled as a part of the training experience for this class. Students are expected to accept the responsibility to participate in these performances as well as in extra rehearsals necessary for their preparation.

GUITAR WORKSHOP I
Grades 9, 10, 11, 12

5 credits

Students will explore beginning to intermediate guitar playing and basic musicianship. This course is for students who want to learn how to play the guitar and for students who have already begun playing the guitar. The course begins with open chords, note reading, and basic strumming. Styles of guitar playing will include the blues, folk, rock, and classical. Students will be expected to practice and play during class on a daily basis. School guitars will be provided. Students who successfully complete this course with a grade of "B" or higher may continue on to Guitar Workshop II.

GUITAR WORKSHOP II
Grades 10, 11, 12

5 credits

This course is for students interested in expanding their knowledge of guitar and music through the guitar by continuing instruction on the instrument. Students will explore music through the guitar using Medium and Advanced music theory and advanced guitar techniques as a continuation of musical knowledge learned in either Guitar Workshop I or prior instruction. Students will need to know how to read musical notation. Students will have the opportunity to play various genres of music on the guitar. School guitars may be provided based on availability. Students should be prepared to provide their own guitars. **Prerequisite: *Students must have successfully completed Guitar Workshop I with a grade of "B" or higher.***

UKULELE CLASS
Grades 9, 10, 11, 12

5 credits

Students will explore beginning to intermediate ukulele playing and basic musicianship. This course is for students who want to learn how to play the ukulele and for students who have already begun playing the ukulele. The course begins with open chords, note reading, and basic strumming. Styles of ukulele playing will include classical, folk, rock, and pop. Students will be expected to practice and play during class on a daily basis. School ukuleles will be provided.

HISTORY OF ROCK AND ROLL
Grades 9, 10, 11, 12

5 credits

This course seeks to balance understanding the development and significance of Rock & Roll in its historical and social environment with maintaining a focus on listening to the music as the main mode of understanding. Students will have a chance to be the rock critic as they study the chronological history of rock and view Rock & Roll films and videos. Class assignments will be organized around lectures, small group discussions, and in-class activities. The course begins with an overview of ancestors and influences: blues, boogie-woogie, jazz, swing, country & western, gospel and popular music, and the crossover success of rhythm & blues acts that marked the true birth of rock & roll. We will study the musical and social trends of the 1960s, including the influence of the British Invasion, which really signaled the arrival of rock's second Generation, the rock explosion and social upheaval of the late 1960's, and the changes in Rock & Roll music during the seventies, eighties, and nineties. The course will culminate in an exploration of today's current musical trends and icons.

VISUAL AND PERFORMING ARTS ACADEMY
(Countywide Academy in conjunction with Salem County Vocational
Technical School)

All students enrolled in the academy program will meet the Visual/Performing Arts requirements as mandated by The New Jersey Department of Education graduation requirements.

VISUAL ARTS

ART ACADEMY I CP
Grade 9

10 credits

In the first and second years of the Academy Program, students will learn and understand the basic Elements of Art: Line, Value, Color, Shape, Form, Texture and Space. Students will explore these elements through projects using various media such as: graphite, charcoal, colored pencil, marker, pen and ink, pastel, paint, printmaking, and clay. Drawing from observation (from life) will be integral to students' training. Group and individual critiques will be introduced as an important component of being an art student and artist. Students will also study important artists and art movements in art history. Guest Artists, who work as professionals in their fields, will visit and work with the students throughout the year- this is an exciting and important feature of the Arts Academy Program! Field Trips and College Visitations will round out the students' experience. Students will keep a portfolio of their work.

ART ACADEMY II CP
Grades 10, 11

10 credits

In the third and fourth years of the Academy Program, students will continue to study and produce work emphasizing the Elements of Art. The Principles of Art: Balance, Emphasis, Harmony, Movement, Rhythm, Contrast, Unity, Variety, and Pattern, will also be studied and incorporated. Students will continue to work in drawing, painting, printmaking, and clay, but will work at a higher level that emphasizes concepts, themes, symbolism and decision-making. Oil Painting will be explored in depth in these years. Art History, Guest Artists, Field Trips, College Visitations, and Critiques will continue to be integral components in Arts Academy II and III. Students will continue to keep a portfolio of their work. **Prerequisite:** *Successful completion of Art Academy I CP.*

AP STUDIO ART *(Exam fee is required by 11/2/20; late fee applied after due date)*
Grades 11, 12

10 credits

Students have the option to take Advanced Placement Art during their Junior and/or Senior years. Advanced Placement Art is a very rigorous and specific course of study that requires students to demonstrate skill in producing bodies of work that exemplify Breadth (12 pieces of work that exhibit a variety of skills and styles), Concentration (12 pieces of work that exhibit focus and unity within one concept, theme or visual issue) and Quality (6 pieces exhibiting excellence). **Students who submit their portfolio for the AP Exam will receive weighted value points (5.5) toward their rank and GPA. For further clarification of this course please see details on page 7.** **Prerequisite:** *Successful completion of Art I, Art II, Art III/or Pre-AP, Pre-AP Studio Art is recommended before taking AP Studio Art. Teacher approval is required.*

PRE-AP STUDIO ART
Grade 11 only

10 credits

This course is for the serious art student who is considering Art in college and who wants to take the AP Portfolio Exam during his/her senior year. The course is essentially a pared down version of the AP Studio Art class, thus students will complete 8 pieces of artwork that exhibit a variety of skills and styles (Breadth) and 8 pieces of artwork that exhibit focus and unity within one concept, theme or visual issue (Concentration).

Prerequisite: *Successful completion of Art Academy I and Art Academy II. Teacher approval is required.*

DANCE

DANCE ACADEMY I/II **Grades 9, 10, 11**

10 credits

An audition, two letters of teacher recommendations, and an essay of intention are required before taking this course. In levels I/II of the Dance Academy, students will concentrate on an introduction and basic technique of ballet and modern dance forms. In addition to thorough technical training, basic dance composition, body mechanics/kinesiology, alignment/anatomy, and general understanding of strength training and injury prevention will be covered. Students will also be introduced to the fundamentals of improvisation and begin individual movement exploration. Students throughout the year(s) will work on increasing speed and comprehension of techniques building endurance and strength. Dance Academy levels I/II provides an essential foundation of solid technical training that will prepare students for Dance III/IV where technical excellence is expected and performance and composition emphasized. *Students that display consistent competence and technical excellence in the above criteria may be considered to advance to the next level. All level placements is at the discretion of the Academy Instructor.*

DANCE ACADEMY III/IV **Grades 9, 10, 11, 12**

10 credits

In levels III/IV of the Dance Academy students will continue to refine and improve their technique in Ballet, Modern, and Jazz disciplines at a faster and more technically advanced pace. Students will study and practice strength and mobility training in congruence with their technical training at a more rigorous level. Although technical excellence is expected, performance and composition are emphasized in this level. Students will use the principles of choreography (time, shape, space, energy, force, dynamics) to design their own work as individuals and as a group (especially Senior standing students). Advanced students will be responsible for writing critiques for others' work as well as their own. Seniors are required to choreograph, rehearse and perform a solo for the Appel Farms Concert. In addition, students will begin to prepare a portfolio of original works, resume, headshots, video reel and research possible avenues of further study post graduation. Students will also perform in community-based venues for the school and the Salem County area. *Students that display consistent competence and technical excellence in the above criteria may be considered to advance to the next level. All level placements is at the discretion of the Academy Instructor.*

DANCE ACADEMY ADVANCED **Grades 10, 11, 12**

10 credits

Advanced Dance is intended for students who display a high level of technical training and artistry. Students who want to be considered for Advanced Dance must demonstrate technical excellence and mastery of the criteria from levels I/II and III/IV and a strong drive to work hard (ideal for pre-professional dancers and Seniors). Advanced students will continue to cultivate dance techniques, develop choreographic skills, and concentrate on preparation for summer programs, college applications, video reels, etc.

THEATRE

THEATRE ACADEMY I CP Grades 9, 10

10 credits

Theatre Academy 1 focuses on the *Elements of Theatre* with an emphasis on Stage Crew, House Management, Marketing, Production Design, Scenic Design, Hair and Make-Up, and Costume Design. For every theatrical production, Theatre 1 students will serve in one of the above named roles. For the *Acting* portion of the course, students perform Contemporary and Classical monologues employing the following methods: the Karen Kohlhaas Technique, Auditioning, Improvisation, Physical Theatre, Physical and Vocal Warm Ups. For the *Theatre History* part of the course, students study the Origins of Drama, Greek and Roman Theatre, Medieval Theatre and African Theatre. Students participate in different *Playwriting* exercises culminating in the creation of an original monologue for performance. Students learn the Stanislavsky and Meyerhold Acting Techniques as they prepare to perform their Monologues and Scenes for an Evening of Performance before a live audience in the spring semester. ***Students that display consistent competence and technical excellence in the above criteria may be considered to advance to the next level. All level placements are at the discretion of the Academy Instructor.***

THEATRE ACADEMY II CP Grades 10, 11

10 credits

In Theatre Academy II, students continue their study of the *Elements of Theatre* focusing on: Understudying for the Fall Play, Lighting Design, Sound Design, Directing, Dramaturgy, Stage Managing, and Marketing. For the *Acting* portion of the course, students study Contemporary and Classical scenes. Students enhance their acting abilities with: Time Frames, Etudes, Improvisation, Script Analysis, Physical Theatre, Physical and Vocal Warm Ups, and the Daily 18. The *Theatre History* component includes the Italian Renaissance, Commedia dell Arte, Elizabethan Theatre, Restoration Theatre and 17th Century Neoclassical French Theatre. Students perform a variety of Scenes from Shakespeare, Marlowe, Jonson, Aphra Behn and Moliere. An entire unit will be dedicated to preparing and presenting Shakespearean monologues and scenes for Auditions. Students continue *Playwriting* with composing an original scene for performance. Students deepen their understanding and application of the Stanislavsky Method and Meyerhold's Biomechanics as they prepare Scenes for an Evening of Performance in the spring semester. ***Students that display consistent competence and technical excellence in the above criteria may be considered to advance to the next level. All level placements are at the discretion of the Academy Instructor.***

THEATRE ACADEMY III CP
Grade 11

10 credits

In Theatre Academy III, students apply their knowledge of the *Elements of Theatre* in their first full production of a play. Students are introduced to Stage Management, and Directing with a variety of exercises for actors, stage managers, and directors. All exercises and rehearsals are done in preparation for the Theatre III fall production. Students develop their characters by deepening and enhancing the skills they learned in Theatre I and II including: Improvisation, Physical Theatre, Script Analysis, Physical and Vocal Warm Up. In the spring semester students apply their knowledge of Shakespeare and the Renaissance in preparation for the *Shakesperience* competition held in May at Rider University. Students also study the 19th and early 20th century periods of Theatre History including: Romanticism, Melodrama, Realism, the Independent Theatre Movement. Students perform a variety of Monologues and Scenes by: Wilde, Ibsen, Chekhov, Shaw, and Coward. Students continue Playwriting with a concentration on creating original One-Act plays.

THEATRE ACADEMY ADVANCED
Grade 12

10 credits

In Theatre Academy Advanced, students demonstrate their knowledge of the *Elements of Theatre* by their participation in the fall production. In the first week of September, students have a staged reading of the play then prepare for Auditions. The fall semester is spent in rehearsal in which students develop their characters by deepening and enhancing the skills they learned in Theatre I, II, & III including: Improvisation, Physical Theatre, Script Analysis, Physical and Vocal Warm Up. In the spring semester students study the remaining periods of Theatre History: Romanticism, Melodrama, Realism, The Independent Theatre Movement, Brecht, Vaudeville, 1900's-Modern Day. Students perform a variety of Monologues and Scenes by: Wilde, Ibsen, Chekhov, Shaw, Coward, Kaufman & Hart, Pirandello, Brecht, Beckett, Sartre, Albee, Miller, O'Neill, Williams, Mamet, Wilson, Wasserstein and more. Students continue Playwriting with a concentration on creating original One-Act plays. Students deepen their understanding of Directing as they direct one another in the plays they wrote. Students learn techniques for teaching Theatre to other students, and some Senior Advanced Students may earn volunteer hours as Theatre Aides to Theatre Academy I.

PHYSICAL EDUCATION & HEALTH COURSES

Students must take and successfully pass physical education and health during each year in high school. Students must pass four years of physical education and health in order to graduate.

GRADE 9 PE/HEALTH (*Family Life Education*)

5 credits

The 9th grade health program centers on sexuality education. Topics to be covered include: adolescence, relationships, communication, decisions about sexual relationships, sexual abuse and violence, common sexually transmitted diseases, HIV, and AIDS.

GRADE 10 PE/HEALTH (*Driver Education*)

5 credits

The 10th grade health program centers on driver education. Topics to be covered include: N.J. drivers license system, steps to a valid N.J. driver license, driver safety, rules and regulations for safe driving, defensive driving, driver privileges and penalties, drinking, drugs, and driving, other road users, vehicle information, and parts/goals of the highway transportation system.

GRADE 11 PE/HEALTH (*First Aid*)

5 credits

The 11th grade health program centers on first aid and safety. Topics to be covered include: injuries, illnesses, symptoms, techniques for immediate aid, and CPR. Also explored are current trends and careers in the health care field.

GRADE 12 PE/HEALTH (*Current Health Topics*)

5 credits

The 12th grade health program is a culminating course that highlights the most important concepts from the previous grade level health courses with emphasis on current health topics/issues and how they affect people physically, mentally, socially, and emotionally. Some topics covered are: decision making, over-the-counter and prescription drugs, nutrition, career exploration.

PHYSICAL EDUCATION ELECTIVES

LIFETIME FITNESS

5 credits

Grades 9, 10, 11, 12

Lifetime Fitness is a beneficial course for students who are interested in learning how to live an active and healthy lifestyle. This course requires students to create a personalized fitness plan. The fitness plan must include both anaerobic and aerobic exercises, proper warm-up and cool-downs, and a complete total body workout. Lifetime Fitness also requires students to complete a Nutrition project; the nutrition project gives the students the opportunity to food shop under a specific budget.

EXERCISE SCIENCE
Grades 9, 10, 11, 12

5 credits

Exercise Science gives students who have an interest in the Health field the opportunity to explore possible career opportunities while gaining the necessary knowledge to pursue those careers. (possible career options include: Health and Physical Education teacher, Personal Training, Athletic Trainer, Physical Therapy, Sports Medicine, and Nursing).

OUTDOOR ADVENTURES
Grades 9, 10, 11, 12

5 credits

Outdoor Adventures is an engaging and exciting elective course. Students are taught life-long skills by using an integrated curriculum of science, math, writing, critical thinking skills, and computer technology. The focus is on outdoor activities including: Hunter Education, Fishing, Archery, Boater Education, Orienteering, Survival Skills, First Aid/CPR, Trip Planning, Tackle Crafts, Hiking, Backpacking, Camping, Outdoor Cooking, Wildlife Conservation, Mountain Bike Camping, Fauna/Flora/Wilderness Medicine, Paddle Sports and Wildlife Conservation.

SPORTS MANAGEMENT
Grades 11, 12

5 credits

This introductory course emphasizes basic management principles as they relate to the sports-related enterprises. A variety of marketing techniques and approaches are analyzed to broaden students' background in this area and to better allow them to develop effective and comprehensive sports marketing plans. **Some aspects of this course will be hands on.*

SPORTS MEDICINE/ATHLETIC TRAINING I CP
Grades 11, 12

5 credits

This course examines athletic training and other medical fields as professions. Students will study elements of anatomy and physiology, with an emphasis on skeletal and muscular systems. The students will gain knowledge and skills necessary for basic first aid with relationship to sport and exercise. The students will also focus on the prevention techniques of sport and exercise injuries. The students will also gain knowledge of sport psychology and nutritional concepts for athletes. **Prerequisite: *Must have passed Biology with a C.***

ENGLISH LANGUAGE ARTS AND LITERACY COURSES

GRADE 9 ENGLISH CP

5 credits

Grade nine college-prep English focuses on the reading, analysis, and evaluation of a broad spectrum of literature as well as non-fiction text. Through these readings, students will develop skills for reading, writing, speaking, and critical thinking. Students will study a variety of literary genres: drama, short story, novel, poetry, and nonfiction. They will develop their writing skills by responding to literature and conducting research. Students will be required to use the Modern Language Association (MLA) format for attribution of sources in research projects. Vocabulary instruction will be integrated across the curriculum in the literature units. Instruction in grammar and mechanics will be a part of all formal written work.

GRADE 9 ENGLISH HONORS

5 credits

The 9th grade English Honors course serves those students who are highly proficient in reading and written expression. Beyond the 9th grade English CP course of study, the students, working at an accelerated pace, are expected to read additional novels, plays, and are required to respond to literature in essay form to further develop their analytical as well as their writing skills. **Prerequisite:** *Successful completion of Grade 8 Language Arts with an “A” or successful completion of Grade 8 Advanced Language Arts with a “B” or higher.*

GRADE 10 ENGLISH CP

5 credits

Grade ten college-prep English builds on the previous year’s skills of reading, analysis, and evaluation of literature as well as non-fiction text. Through these readings, students will continue to develop skills for critical thinking, reading, writing, and speaking. Students will continue their study of a variety of literary genres: drama, short story, novel, poetry, and nonfiction. They will continue to develop their writing skills by responding to literature and conducting research. Students will be required to use the Modern Language Association (MLA) format for attribution of sources in research projects. Vocabulary instruction will be integrated across the curriculum in the literature units. Instruction in grammar and mechanics will be a part of all formal written work.

GRADE 10 ENGLISH HONORS

5 credits

This course is designed for highly motivated students who will perform on an accelerated intellectual level. Extensive reading spans all major genres. Students will be challenged to think critically and to read challenging literature independently. Students will be required to comprehend, interpret, evaluate, respond to, and analyze literature through the reinforcement of formal vocabulary, a variety of writing assignments, research, and co-operative learning skills. **Prerequisite:** *Successful completion of English 9 CP with an “A” or successful completion of English 9 Honors with a “B” or higher.*

GRADE 11 ENGLISH CP: AMERICAN LITERATURE

5 credits

Grade eleven college-prep English emphasizes analysis, synthesis, and evaluation of American literature from the pre-Colonial era to the 21st century. One of the goals of this course is to promote independent reading, writing, and thinking. The course of study will include a variety of literary genres: drama, short story, novel, poetry, and nonfiction. Students will continue to develop their writing skills by responding to literature. Writing assessments may include analysis, comparison, comparison and contrast, film critique, argument and research project(s). In addition, reflective, personal pieces will be included. Students will be required to use the Modern Language Association (MLA) format for attribution of sources in research projects. Vocabulary instruction will be integrated across the curriculum in the literature units. Instruction in grammar and mechanics will be a part of all formal written work.

GRADE 11 ENGLISH HONORS: AMERICAN LITERATURE

5 credits

This course is designed for college bound students who are highly self-motivated and desire to perform on an accelerated intellectual level. The course is a sampling of American literature viewed from historical, social, political and moral perspectives. Students will participate in an intense study of diverse literary genre: nonfiction, drama, the short story, and the novel. Intensive writing in response to questions on literature and social issues is intended to train the students to become proficient writers of a variety of essays. Application of critical thinking in speaking and writing is at the core of the course. Students selecting English 11 Honors should possess strong reading, writing, and analytical skills. The course work is more complex than that of the 11CP course and more independent assignments are required. **Prerequisite: *Successful completion of English 10 CP with an “A” or successful completion of English 10 Honors with a “B” or higher.***

AP ENGLISH GRADE 11 - (LANGUAGE AND COMPOSITION)

5 credits

(Exam fee is required by 11/2/20; late fee applied after due date)

This advanced placement course is designed for students who have excelled in English and wish to be intellectually challenged with demanding reading and writing assignments. Advanced Placement English is a college-level course developed according to guidelines and recommendations by the College Board. This course provides an outline of American non-fiction literature and focuses on the analysis and synthesis of rhetorical strategies. Students who choose to take the advanced placement examination may, based on their score, receive an Advanced Placement standing at a participating college. **If a student does not take the AP exam he/she will not receive weighted value points (5.5) for class rank and GPA. For further clarification of this course please see details on page 7. Prerequisite: “B” or higher in English 10 Honors and teacher recommendation.** **This course is eligible for dual credit with Salem Community College.**

GRADE 12 ENGLISH CP: BRITISH LITERATURE

5 credits

Grade twelve college-prep English is a culmination of college preparatory studies, building on the previous years' requirements and work. This course develops an awareness of how the culture of the society influences a writer. The focus is on British literature, which will be the foundation for analysis, comparison, contrast, and synthesis of elements of literature. The course of study will include a variety of literary genres: drama, short story, novel, poetry, and nonfiction. Students will be required to use the Modern Language Association (MLA) format for attribution of sources in research projects. Vocabulary instruction will be integrated across the curriculum in the literature units. Instruction in grammar and mechanics will be a part of all formal written work.

GRADE 12 ENGLISH HONORS: BRITISH LITERATURE

5 credits

This course is designed for college bound students who are extremely self-motivated and desire to perform on an accelerated intellectual level. This course concentrates on British literature, covering historical and cultural aspects of a variety of literary genres, including poetry, short stories, drama, and novels. Students will also write extensively, both formally and informally, focusing on analysis of literature. Students selecting 12 Honors should possess strong reading, writing and analytical skills. This course work is more complex than that of the 12 CP course and more independent assignments are required.

Prerequisite: *Successful completion of English 11 CP with an "A" or successful completion of English 11 Honors with a "B" or higher.*

AP ENGLISH GRADE 12 - LITERATURE AND COMPOSITION

5 credits

(Exam fee is required is due by 11/2/20; late fee applied after due date)

This advanced placement course is designed for students who have excelled in English and wish to be intellectually challenged with demanding reading and writing assignments. Advanced placement English is a college-level course developed according to guidelines and recommendations by the College Board under the advice of the Council on College-Level Services and its academic advisory committees on the disciplines concerned. Students who choose to take the advanced placement examination may, based on their score, receive an advanced placement standing at a participating college. **If a student does not take the AP exam he/she will not receive weighted value points (5.5) for class rank and GPA. For further clarification of this course please see details on page 7. Prerequisite: "B" or higher in English 11 Honors and teacher recommendation.** **This course is eligible for dual credit with Salem Community College.**

LANGUAGE ARTS LITERACY ELECTIVES

The courses listed below are electives and cannot be taken in lieu of state four-year English requirement. They do fulfill district graduation requirements.

INTRODUCTION TO 21st CENTURY FILMS

5 credits

Grades 9, 10, 11, 12

In this course, students will watch, discuss, and write about classic and contemporary movies of the 21st century from America and some from other nations. The course will focus on the structure of film and the creative choices made by directors and how their films have changed or reflected upon personal and social values, institutions, and culture. Students will learn how to think critically about film, develop an aesthetic appreciation for the art form, and learn how to express their thoughts and observations in oral, written, and visual formats. In addition there will be emphasis on the inherent connection between the art of Literature and film.

MATHEMATICS COURSES

NOTE: The traditional sequence for mathematics college prep courses is Algebra I or Algebra IA/IB, Geometry, and Algebra II or Algebra IIA/IIB. Students who have not had Algebra I in grade 8 must take Algebra I in grade 9. In order to meet requirements for high school graduation, it is recommended that every student take Algebra I, Geometry and a third course that builds upon these two prior to second semester of his/her Junior year. Algebra II is not required, but encouraged.

ALGEBRA IA & ALGEBRA IB CP

10 credits

Grades 9, 10

This is an Algebra I course given in two parts over a full year. The first part, Algebra IA, will review the operations on integers, solve equations, solve and graph inequalities, graph linear functions, and emphasize problem solving. The second half, Algebra IB will include systems of equations, system of inequalities, polynomials, quadratics, rational expressions, simplifying radicals, exponential functions, and an emphasis on problem solving.

ALGEBRA I CP

5 credits

Grades 9, 10, 11, 12

This course covers all basic components of Algebra including concepts in variables, algebraic manipulations, factoring algebraic expressions, study of linear, and exponential functions as well as systems of equations, exponential and quadratic functions and irrational numbers. Some statistics, and Discrete Math will also be studied to prepare students for the NJSLA. Emphasis is on problem solving. **Prerequisite:** *Successful completion of Grade 8 Mathematics with a “B” or recommendation from PTMS teacher.* A score of a 70 or higher on the prerequisite exam must be obtained for students transferring in from out of district.

ALGEBRA I HONORS
Grades 9, 10, 11, 12

5 credits

Algebra I Honors is Algebra I offered at an accelerated pace with topics covered in greater depth. The topics covered will include variables, Algebraic manipulations, factoring, Algebra expressions, study Linear, Exponential and Quadratic Functions, as well as system of equations, and irrational numbers. A higher level of mathematical skills and a greater degree of independent motivation is required. **Prerequisite:** *Successful completion of Grade 8 Mathematics with an “A” or recommendation from PTMS teacher. A score of an 80 or higher on the prerequisite exam must be obtained for students transferring in from out of district.*

ALGEBRA IIA & ALGEBRA IIB CP
Grade 9, 10, 11, 12

10 credits

This is an Algebra II course that is given in two parts over a full year. Topics to be covered in Algebra II A are: Review of Basic Algebra, Linear Equations, Systems of Linear Equations and Inequalities, Quadratic Equations and Parabolas, Functions, Power, Roots, and Radicals. The topics to be covered in Algebra II B are: Exponential and Logarithmic Functions, Families of Functions, Polynomials and Polynomial Functions, Trigonometric Ratios and Functions, Sequences and Series and Probability and Statistics. **Students who are not successful in Algebra IIA, will be re-scheduled into Geometry in their spring semester.**

ALGEBRA II CP
Grades 9, 10, 11, 12

5 credits

This course provides continued work with variables and polynomials, solving exponential, quadratic and rational equations and inequalities, graphing, and introduces the student to radicals, complex numbers, and logs. Emphasis is on problem solving. Class work will include presentation of course material by the instructor, accompanied by appropriate problem solving assignments. **Prerequisite:** *Successful completion of Algebra I.*

ALGEBRA II HONORS
Grades 9, 10, 11, 12

5 credits

Algebra II Honors continues to investigate and develop concepts in variables, polynomials, solving exponential, quadratic and rational equations, inequalities, graphing, radicals, complex numbers, and logs. It will move at a faster pace than CP allowing for more emphasis on applications of algebra and trigonometry. Concepts in trigonometry will be developed. There will be more emphasis on exponential and logarithmic functions in testing, as well as through alternative assessments and problem solving assignments. **Summer assignments may be required. Prerequisite:** *Successful completion of Algebra I CP with an “A” or successful completion of Algebra I Honors with a “B” or higher.*

ESSENTIAL MATH FOR COLLEGE AND CAREER
Grade 11, 12

5 credits

Essential Math for College and Career is designed for students who have successfully completed three years of mathematics and would like to take an additional math course in preparation of attending college. This course will enable students to reinforce math skills necessary for entering a freshman level college math course and will help to prepare the student to take a college placement exam in mathematics. Topics may include, but are not limited to, number theory, counting principles, probability, consumer mathematics, and a review of Algebra and Geometry. **This course qualifies as one of the math courses required for high school graduation.**

AP CALCULUS AB

5 credits

Grade 11, 12 (*Exam fee is required by 11/2/20; late fee will be applied after due date*)

AP Calculus is a very challenging course and should only be attempted by the serious student. This course is designed to prepare students for the advanced placement exam given in May. The student will gain knowledge of theories and apply the principals of differential and integral calculus in everyday application. Students will recognize the multi representational approach to calculus and the connections among these representations. A summer assignment is required for this course and is due the first day of school. **If a student does not take the AP exam he/she will not receive weighted value points (5.5) for class rank and GPA. For further clarification of this course please see details on page 7. Prerequisite: Successful completion of Pre-Calculus Honors with a “B”, or successful completion of Pre-Calculus CP with an “A” and teacher approval.** This course is eligible for dual credit with Salem Community College.

CALCULUS CP
Grade 11, 12

5 credits

This course focuses on limits, differentiation, and integration and their application to problem solving situations. The student will gain knowledge of the properties and theory behind particles in motion, perform computations in velocity, slope, area and volume and apply the principles of calculus in everyday applications. **Prerequisite: Successful completion of Pre-Calculus CP or Honors.**

GEOMETRY CP
Grades 9, 10, 11, 12

5 credits

This course is an introduction to the properties of plane and solid geometry. The student will gain knowledge of the relationships among geometric elements, compose some formal proofs, use tools for measurement, and apply principles of algebra in determining properties of geometric figures. Students will use Geometer Sketchpad and/or graphing calculators to investigate geometric shapes and relationships. Emphasis is on problem solving. Class work will include presentation of course material by the instructor, accompanied by appropriate problem solving assignments, and alternative assessments.

Prerequisite: *Successful completion of Grade 8 Algebra or Algebra I CP.*

GEOMETRY HONORS
Grades 9, 10, 11, 12

5 credits

This course includes the studies of the properties of plane and solid geometry. It is offered at an accelerated pace and will cover more topics in greater depth and with more emphasis on proof than in Geometry CP. Topics of study will include reflections, translations, rotations, constructions, as well as, selected topics in discrete math, the use of Geometer Sketchpad and/or graphing calculators to investigate geometric shapes. The student will gain knowledge of the relationships among geometric elements, compose formal proofs, use tools for measurement, and apply principles of algebra in determining properties of geometric figures. Emphasis will be placed on problem solving. Class work will include the presentation of course material by the instructor, accompanied by appropriate problem solving assignments and alternative assessments. A higher level of mathematical skills and a greater degree of independent motivation is required of students enrolled in this class. **Prerequisite:** *Successful completion of 8th grade Algebra or Algebra I CP with an “A”, or Algebra I Honors with a “B” or higher.*

PRE-CALCULUS CP
Grades 10, 11, 12

5 credits

The course is aimed at those students who desire a solid preparation for college mathematics, a review for College Board examinations, and further enrich their mathematical background. The course uses geometric and trigonometric concepts extensively, integrating them with algebraic concepts. Emphasis is on problem solving. Class work will include presentation of course materials by the instructor, accompanied by appropriate problem solving assignments. **Prerequisites:** *Successful completion of Algebra II CP and Geometry CP with an 80 or higher.*

PRE-CALCULUS HONORS
Grades 10, 11, 12

5 credits

The course emphasizes geometric and trigonometric concepts, integrating them with algebraic concepts. It will move at a faster pace than CP allowing for more emphasis on applications of algebra and trigonometry. Emphasis will be placed on problem solving, graphing, and advanced equation solving. Students will be evaluated through testing, and through alternative assessments and problem solving assignments. This course is designed for those students who wish an in-depth preparation for college entrance examinations, college mathematics, AP Calculus, or careers in engineering and the sciences. **Summer assignments may be required. Prerequisites: Successful completion of Algebra II CP and Geometry CP with an “A” or successful completion of Algebra II Honors with a “B” or higher. This course is eligible for dual credit with Salem Community College.**

PROBABILITY AND STATISTICS CP
Grades 11, 12

5 credits

This course introduces students to the basic concepts, logic, and issues involved in statistical reasoning. Major topics include one and two variable data analysis, an introduction to research methods, probability, and statistical inference. The objectives of this course are to give students confidence in manipulating and drawing conclusions from data and provide them with a critical framework for evaluating study designs and results. **Prerequisite: Successful completion of Algebra II CP.**

AP STATISTICS *(Exam fee is required by 11/2/20; late fee applied after due date)*
Grades 11, 12

5 credits

The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. 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. **If a student does not take the AP exam he/she will not receive weighted value points (5.5) for class rank and GPA. For further clarification of this course please see details on page 7.** **Prerequisite: Successful completion of Pre-Calculus CP with a “B” or higher or Honors.**

SCIENCE COURSES

All students are required to take three (3) years of a lab science to fulfill both NJ Department of Education requirement and APSHS requirements. Students must take Integrated Science, Biology and one of the following: Environmental Science, Chemistry, or Physics. All Honors-level students will be required to complete assignments during the summer and will be tested at the start of the semester. Students in grade 11 are required to take the New Jersey Student Learning Assessment (NJSLA) – Science.

INTEGRATED SCIENCE CP **Grade 9, 10, 11, 12**

5 credits

Integrated Science will establish a foundation for high school learning and for preparation in upper level science classes. This inquiry based lab science course to introduces the main ideas of several scientific specialties—physical science, chemistry, and physics—and organizes the material around thematic units. Common themes covered include: systems, models, energy, patterns, change, and constancy. The content includes the study of and identification of elements, chemical reactions, chemical and physical change, chemical bonding, water, matter, energy, forces, motion, mechanics and if time permits light, sound and electricity. This course uses appropriate aspects from each specialty to investigate applications of the theme.

INTEGRATED SCIENCE HONORS **Grade 9, 10, 11, 12**

5 credits

Integrated Science will establish a foundation for high school learning and for preparation in upper level science classes. This inquiry based lab science course to introduces the main ideas of several scientific specialties- physical science, chemistry, and physics—and organizes the material around thematic units. Common themes covered include: systems, models, energy, patterns, change, and constancy. The content includes the study of and identification of elements, chemical reactions, chemical and physical change, chemical bonding, water, matter, energy, forces, motion, mechanics and if time permits light, sound and electricity. This course uses appropriate aspects from each specialty to investigate applications of the theme. Students in this course would be expected to perform mathematics functions at least at the Algebra I level. All students will be required to complete an independent research and/or enrichment project. **Prerequisite:** *Grade 8 Science with a “B” or higher.*

BIOLOGY CP **Grade 10**

5 credits

Biology CP is an in-depth study of life and living things, their structures and functions, systems and processes in relationship to each other and the environment. The course content will include an inquiry into the nature of life, biological chemistry, ecology, structure and function of cells, mitosis, cellular energy (photosynthesis and cellular

respiration), genetics, DNA, protein synthesis, evolution pathogens and immunity. Laboratory investigations, labs are a major component of this course. Students will be required to perform, observe, and collect data and answer questions regarding investigations. Students will be expected to participate in daily class discussions, take notes from class, and complete all required writing assignments. Written and/or oral reports and assigned major individual open-ended projects may be required.

Prerequisites: *Successful completion of Integrated Science.*

BIOLOGY HONORS

5 credits

Grades 10, 11

Biology involves the study of life and living things, their structures and functions, systems and processes in relationship to each other and the environment. The course content will include an inquiry into the nature of life, biological chemistry, ecology, structure and function of cells, mitosis, cellular energy (photosynthesis and cellular respiration), genetics, DNA, protein synthesis, evolution pathogens and immunity. A higher level of analytical skills and a greater degree of personal motivation is required of students enrolled in this class. Students who possess the intellect but who lack the discipline to complete daily assignments and studying are discouraged from choosing this class. Content is covered more quickly and in greater detail. Students will frequently be called upon to do independent or group research. The ability to read and understand a first year college biology textbook is imperative. Laboratory investigations (labs) are a major component of this course. Students will be required to perform, observe, and collect data and answer questions regarding investigations. Students will be expected to participate in daily class discussions, take notes from class, and complete all required writing assignments. Written and/or oral reports and assigned major individual open-ended projects may be required. **Prerequisites:** *Successful completion of Integrated Science with a grade of a “B” or higher.*

ENVIRONMENTAL SCIENCE CP

5 credits

Grades 11, 12

This course is an introductory environmental science study that will incorporate the topics of land, water, and energy use and the effects of such on the environment, both long term and short term. Plant and animal populations and the effects of controlling them will be considered. There will be a unique focus on establishing an appreciation for nature and how nature can be incorporated into a campus environment. Students will be exposed to topics that will develop a sense of stewardship of their home environments on a local level. Students will utilize field guides to identify species of flora and fauna, demonstrate a working knowledge of observation skills, participate in the development and maintenance of cultured and wild life areas around the school campus, and relate how human intervention can alter such landscapes. They also employ scientific sampling techniques to analyze the campus habitat. Students will investigate and develop understandings of how to select, grow, and maintain plants that would commonly be used in commercial and home landscaping. There will be laboratory work to allow for practical experience. Students will be expected to apply the techniques learned in class. **Prerequisite:** *Successful completion of Integrated Science and Biology.*

ENVIRONMENTAL SCIENCE HONORS
Grades 11, 12

5 credits

Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study. The goal of this course is to provide students with the scientific principles, concepts, and methodologies to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, and to evaluate the risks associated with these problems and examine alternative solutions for resolving and/or preventing them. Specific topics discussed in this class include: the state of the atmosphere in terms of weather, climate, air pollution, ozone, and greenhouse gases. Students will analyze the environmental quality of air, soil, and water. Explain how usable energy is generated from fossil fuels, nuclear fuels, and alternative sources and the tradeoffs associated with their use. They will explain environmental problems in relationship to scientific, social, legal, cultural, and economic factors, relate course topics to local problems faced by New Jersey residents, and demonstrate an awareness of careers related to environmental science as well as the effects of environmental quality on human health. Instruction is inquiry based with focus on discussions and demonstrations. Students will be required to complete written assignments—including research projects, in-class assignments, and homework regularly. A minimum of one period per week is devoted to hands-on laboratory experiences or fieldwork. All lab and fieldwork requires a written report. **Prerequisites:** *Successful completion of Integrated Science and completion of Honors Biology with a grade of B or higher.*

CHEMISTRY CP
Grades 10, 11, 12

5 credits

This inquiry-based lab course is offered to 10th, 11th and 12th grade students planning to enter a two or four-year college after graduation from high school. It satisfies pre-college lab requirements. Chemistry involves an in-depth study of matter and its changes. The course content includes the study of elements, chemical reactions, chemical bonding, acids and bases, properties of solids, liquids and gasses, and the mathematical relationships of each. Chemistry CP requires the student to have a working knowledge of percent, ratio, proportions, graphing, solving for unknowns in algebraic equations and the ability to solve word problems. A major emphasis of the course is laboratory investigations. In addition to taking notes from classroom lectures, presentations, videos, and demonstrations, students will be required to write lab reports, pass laboratory performance assessments, as well as tests and/or quizzes, read scientific articles and complete open-ended projects. **Prerequisites:** *Successful completion of Integrated Science, Algebra I and/or Geometry.*

CHEMISTRY HONORS
Grades 10, 11, 12

5 credits

Chemistry Honors is designed for students who are planning to enter a four-year college program in sciences, mathematics, or engineering after high school. The course involves an in-depth study of chemical reactions, chemical bonding, stoichiometry, acids and

bases, properties of solids, liquids, and gasses, kinetics, organic chemistry and the mathematical relationships of each. This will provide the student with a working knowledge of percent, ratio, proportion, graphing, solving for unknowns in algebraic equations, and the ability to solve word problems and interpret and analyze written and graphic information. A major emphasis of the course is laboratory investigations. In addition to taking notes from classroom lectures, presentations, films, videos, and demonstrations, students will be required to write lab reports, pass laboratory performance assessments, as well as tests and/or quizzes, read scientific articles, complete open-ended projects and work as part of a group in problem solving. **Prerequisites:** *Successful completion of Integrated Science and Algebra II or Geometry with a grade of a “B” or higher.*

PHYSICS CP
Grades 11, 12

5 credits

CP Physics is an algebra-based physics course. Students should enjoy the practical application of mathematics and scientific concepts. This will provide the student with a working knowledge of vectors in one-dimension, percent, ratio, proportions, graphing, solving for unknowns in algebraic equations, the ability to solve word problems, the interpretation, and analysis of written and graphic information, unit conversions and graphical analysis. Students must also be competent in the use of computers, as they will be used as data collection tools in laboratory experiences. Students must be able to work with maturity, independence, and purpose. Units of study include, but are not limited to, Newtonian mechanics, Electricity and Electromagnetism. **Prerequisites:** *Successful completion of Integrated Science and Algebra I.*

PHYSICS HONORS
Grades 11, 12

5 credits

Honors Physics is designed for students who are planning to enter a four-year college program in the sciences, mathematics, or engineering after high school. Students should enjoy the practical application of mathematics and scientific concepts. This course uses higher mathematical skills. This will provide the student with a working knowledge of vectors in two dimensions, percent, ratio, proportions, graphing, solving for unknowns in algebraic equations, the ability to solve word problems, the interpretation, and analysis of written and graphic information, the application of derivative, unit conversions and graphical analysis. Students must also be competent in the use of computers, as they will be used as data collection tools in laboratory experiences. Students must be able to work with maturity, independence, and purpose. Units of study may include the following: nuclear energy, electrostatics and electromagnetism, sound, light, heat, Newtonian mechanics, Electricity and Electromagnetism. **Prerequisites:** *Successful completion of Integrated Science and Pre-Calculus CP or Honors with a grade “C” or better.*

SCIENCE ELECTIVES

The courses listed below are electives and do not fulfill the three-year laboratory science requirement. They do fulfill district graduation requirements.

ANATOMY AND PHYSIOLOGY CP

5 credits

Grades 11, 12

Anatomy and Physiology CP is an introduction to the structure and function of the human body with a major emphasis on anatomy and minor emphasis on physiology. This course will examine the structure and function of the human body including the skin, skeletal, muscular and nervous systems as well as the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary and reproductive systems. Dissection will be a minimal component of the class and failure to participate in dissection will not have a major effect upon the student's grade for the class. This course is intended for students who have a general interest in how the human body works and who may be interested in pursuing a career in the health field. **Prerequisite:** *Successful completion of Integrated Science and Biology with a "C" or better.*

ANATOMY AND PHYSIOLOGY HONORS

5 credits

Grades 11, 12

Honors Anatomy and Physiology is an intensive introduction to the structure and function of the human body with a major emphasis on both the anatomy and physiology of the human body. This course will examine the structure and function of the human body including the skin, skeletal, muscular and nervous systems as well as the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary and reproductive systems. Dissection will be a very important component of the class and failure to participate in dissection could have a major effect upon the student's grade for the class. This course is intended for students who have an advanced interest in the functioning of the human body and who may be interested in pursuing a college degree in biology, physician's assistant, nursing, physical therapy or athletic training. Successful completion of the course will require daily evening study and a high level of academic determination. **Prerequisite:** *Successful completion of Integrated Science, Biology and Chemistry CP/Honors or Physics with a "B" or better.*

AP BIOLOGY *(Exam fee is required by 11/2/20; late fee applied after due date)*

10 credits

Grade 12

The AP Biology course is designed to be the equivalent of a college introductory biology course. The course will run for the full school year, covering both first and second semester. Successful completion of the AP examination may allow a college freshman to register for upper level college biology courses while other students may have fulfilled a basic requirement for a laboratory science course. AP Biology is a very challenging course and should only be attempted by the serious student. The student attempting this class must be academically serious and prepared to endure daily study, reading, and

writing assignments. In addition, students will be expected to present written and oral reports as well as other performance assessments. The textbook for AP Biology is one that is used by many college classes while the labs are equivalent to those done by college students. A student in this class can expect to spend about one hour each night completing assignments, studying, and preparing for the next day. Occasionally students will also remain after school to complete some lab activities. The AP Biology course aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. Primary emphasis is placed on developing an understanding of concepts rather than memorizing terms and technical details. **A SUMMER PROJECT IS REQUIRED FOR THIS COURSE** and is due the first week of school. **If a student does not take the AP exam he/she will not receive weighted value points (5.5) for class rank and GPA. For further clarification of this course please see details on page 7. Prerequisites: Successful completion of Integrated Science CP/H, or Biology CP/H, and Chemistry CP/H or Physics with a grade of a “B” or higher. Chemistry is preferred. This course is eligible for dual credit with Salem Community College.**

AP PHYSICS – OFFERED THROUGH BOSTON UNIVERSITY
Grade 12

10 credits

AP Physics is an algebra-based college level introductory physics course. Topics covered align with the College Board AP Physics I syllabus and include translational motion, forces, momentum, energy, simple harmonic motion, waves, rotational motion, static electricity, direct current electronics and electric fields. The primary instructional tool is a private online program containing instructional scaffolding, multiple assessment tools, simulations and a suite of virtual explorations emphasizing science process practices. Although instruction is provided primarily through an online instructional tool, we want to emphasize the partnership aspect of the program. Students are not left to move through the course at their own pace. Students will be assigned time during the school day equivalent to any other major course to work in the online instructional tool. A close relationship is maintained between the university and the partner high school through regular communications between an appointed high school building liaison and a university liaison from Project Accelerate. An optional on-site hands-on laboratory component is highly recommended. Students completing this course are expected to take the College Board AP Physics I test in May. **If a student does not take the AP exam he/she will not receive weighted value points (5.5) for class rank and GPA. For further clarification of this course please see details on page 7. Prerequisites: Students selecting this course should have the potential for independent learning, a demonstrated track record of on-time assignment production and completed Algebra II or its equivalent successfully.**

DYNAMICS OF ALLIED HEALTH & MEDICAL SCIENCE
Grades 9, 10, 11, 12

5 credits

This course provides the foundational knowledge and the skills the students need for careers in health care. Students begin by exploring the services, structure, and professions

of the health care system. The remainder of the course focuses on day-to-day skills and expectations for health professionals, which include promoting wellness, maintaining a safe environment, creating medical records, and practicing good communication, collaboration, and leadership. Using real-life scenarios and application-driven activities, students learn the responsibilities and challenges of being a health care professionals. In addition to building their understanding of technical concepts and skills, students will evaluate the qualifications required for specific careers and develop personal career plans to pursue work in the health care industry.

MARINE SCIENCE

5 credits

Grades 11, 12

This course is designed to engage students in scientific investigations of the marine environment. Areas of concentration include physical oceanography, marine biology, and applied marine ecology. Some investigations require work outside the classroom. Group projects and fieldwork are required components of this course. Students will receive unique learning opportunities that require them to research a topic, conduct experiments, collect, analyze, and report data using technology, and present their findings through various media. Important laws and career paths will also be discussed. **Prerequisite:** *Successful completion of Biology with a grade of “C” or higher.*

NATURAL DISASTERS

5 credits

Grades 9, 10, 11, 12

This course explores the science and history of Natural Disasters and their impact on humankind. Tectonic and climate related disasters are examined in detail, including earthquakes, tsunami, volcanic eruptions, landslides, flooding, hurricanes, tornadoes, and climate change. Recent events and notable case histories are studied through lecture, Internet, and video. There are no prerequisites for this course.

SOCIAL STUDIES COURSES

WORLD HISTORY CP

5 credits

Grade 9

World History CP is an introductory course for high school freshmen designed to provide a survey of the political, social, economic, and cultural history of countries around the globe from the mid 14th century to the early 20th century. Throughout the course, students analyze primary sources, develop critical thinking skills, and evaluate ideas and events from each era. Students begin the course by studying empires from China, Japan, and the Middle East. Next, students gain an understanding of the Italian Renaissance and its connection to the Arabic world, the development of the Protestant Reformation in Europe, and the impact exploration had on indigenous populations around the world.

Throughout the course, students are assessed in various ways to check for understanding. Assessments include, but are not limited to, presentations, summative tests, primary source analysis, formative assessments, open-ended responses, and debates. The second half of the course focuses on changing political beliefs ushered in by the Enlightenment, and an age of revolution where students investigate various political revolutions (France, Austria, Germany, Italy) as well as the economically and socially important Industrial Revolution. The struggle between tradition and reform is a major focus, as students evaluate the rise of political ideologies, and trace their influence to motives for European imperialism. The course ends with a discussion of the causes and outcomes of World War I, as students analyze the importance that war played on the modern era.

WORLD HISTORY HONORS
Grade 9

5 credits

The Honors World History course is designed to provide students a survey of World History from the early global empires of the 1300s to modern societies and policies. Students will start by examining the rise and fall of dynasties in early China and Japan, as well as the Middle East including both the Ottoman and Mogul empires. The impact of European exploration will also be evaluated, as students will be challenged to recognize the countries and explorers that established the earliest routes of the New World. Throughout this course, students will consistently analyze primary and secondary sources for every major unit, write historically and informatively on key historical figures and ideas, and connect themes in one unit of study to events of another period of history. In Honors World History, students will be able to enhance their skills in geography, research, and historiography, as they learn about past civilizations. Students will be consistently assessed from a cumulative standpoint, as they are challenged to recall key details and themes, explain historical significance, as well as break down the essential parts of a primary source. Later in the semester, students will move towards more modern history as they analyze political and social movements that occurred around the globe, assess the impact of the Industrial Revolution, and evaluate the effect expanding superpowers had during the Age of Imperialism. The course will conclude with an examination of the first major war of the 1900s, as students break down military strategies, discuss the causes of World War I, and analyze the short term and long-term impacts of the war. Students will continue to be assessed in multiple ways to enhance both their learning and understanding of the content. Projects, presentations, and cumulative assessments will all be key markers of student success throughout the course. Honors World History provides an overview of World History with a higher rigor, pace, and depth while fostering critical historical and writing skills for higher level students.

U. S. HISTORY I CP
Grade 10

5 credits

This course covers the history of America from colonial times through the Revolution, the Constitution, Jacksonian Democracy, to the Civil War and Reconstruction, expansion west, growing industrialization and imperialism. This course deals with understanding what problems occurred in Early American History and how the problems were dealt

with and why the solutions did or did not work. Students will be expected to complete reading assignments from textbook and supplemental materials, participate in class activities, take notes, complete all homework assignments, present oral reports, demonstrate ability to research assigned subjects in the library, and be able to use critical thinking skills throughout the course. Thematic topics include: economics, social history, Civil War/Reconstruction, and expansion of the military.

U. S. HISTORY I HONORS
Grade 10

5 credits

This course will cover American History from colonial times to 1877. The course is designed to provide students with analytical skills and factual knowledge necessary to deal critically with the problems and materials in United States History between the years 1607 and 1877. It is geared toward high ability and highly motivated students. Responsibility is placed on the individual student to learn the materials in the text and readings. Students will also be expected to complete all reading assignments from textbook and supplemental materials, take extensive notes, participate in all class activities, present oral reports, and demonstrate the ability to research and critically analyze problems and solutions in American development. Thematic topics include: economics, social history, Civil War/Reconstruction, and expansion of the military. **This course is a prerequisite to US History II AP and is taught at an AP level. Requirements also include a summer project, which is due in September and an extensive Civil War project. This course is eligible for dual credit with Salem Community College.**

U. S. HISTORY II CP
Grade 11

5 credits

This course will focus on developments in United States History from 1877 to the present. The primary objective of the class is to guide the students to a better understanding of the present state of American and world affairs. The following concepts will be emphasized throughout the curriculum: the role of government, the rights and responsibilities of citizens, issues of racial and ethnic diversity, the influence of technological advances, principles of economics, and the implications of the United States playing a leading position in global affairs. Students will develop reading, writing, vocabulary, geography, and research skills for the purpose of enhancing their ability to make connections to the past, solve problems they will encounter in the future, and become responsible and productive members of society.

AP U. S. HISTORY II *(Exam fee is required by 11/2/20; late fee applied after due date)*
Grade 11

5 credits

This course is designed for students who have taken the U.S. History I Honors course. The purpose of this course is to prepare students for the advanced placement exam. In preparation for the AP Exam, students will be required to do extensive independent

reading and research in order to master a curriculum that investigates social, cultural, political, economic, and diplomatic developments from 1865 to the present. Students who choose to take the advanced placement examination may, based on their score, receive an advanced placement standing at a participating college. **If a student does not take the AP exam he/she will not receive weighted value points (5.5) for class rank and GPA.** **Prerequisite:** *Successful completion of U. S. History I Honors with a “B” or higher.* **This course is eligible for dual credit with Salem Community College.**

SOCIAL STUDIES ELECTIVES

The courses listed below are electives and cannot be taken in lieu of the state’s three-year Social Studies requirement. They do fulfill district graduation requirements.

CONTEMPORARY U.S. ISSUES **Grades 11, 12**

5 credits

This course will focus on major political, economic, social issues in the United States today. Students will explore the events, issues, and personalities that have shaped and are shaping their lives. The major sources of information will be provided by the use of the Internet, news magazines, newspapers, and television. Interaction within the class is also key to student achievement. Students will be asked to read, write, research, debate, and critically think throughout the course.

PSYCHOLOGY CP **Grades 11, 12**

5 credits

This course will give students a broad view of the field of psychology. Students will study historically what is involved in psychology, how it developed, how it applies to them, and what lies ahead. Such topics as human development, heredity and biological influences with respect to behavior will be presented. The course will also deal with personality disorders, learning, social interaction, and coping with stress. Practical and meaningful applications of psychology will be included. Students will be expected to concentrate on research skills as related to course content in depth.

AP PSYCHOLOGY (*Course will not be offered for the 2020-2021 school year*) **Grades 11, 12**

5 credits

This course is beyond an introduction to the study of psychology. Different theories of intelligence, personality, social and moral development will be explored, discussed and evaluated in class. Maladjusted patterns of behavior are also investigated with the goal of increasing the student’s understanding of abnormal and normal behavior patterns. Additionally, the American Psychological Association has published several objectives for secondary school psychology courses that are pertinent to an Advanced Placement

Course. These objectives will serve as the basis of this course. **If a student does not take the AP exam he/she will not receive weighted value points (5.5) for class rank and GPA. This course is eligible for dual credit with Salem Community College.**

WORLD GEOGRAPHY
Grades 9, 10

5 credits

World Geography courses provide students with an overview of world geography, but may vary widely in the topics they cover. Topics typically include the physical environment; the political landscape; the relationship between people and the land; economic production and development; and the movement of people, goods, and ideas.

AMERICAN GOVERNMENT
Grades 11, 12

5 credits

This course will examine the origins of American democracy and government, while taking an in-depth look at the constitutional system and political culture that is found within the United States. Students will analyze the balance of rights and responsibilities of citizens, the functioning of government at various levels, and will examine important public issues using primary documents to interpret the implications. The class will also utilize a variety of media, news sources and guest speakers. **Prerequisite: *Successful completion of U.S. History I.***

WORLD LANGUAGE COURSES

FRENCH I CP
Grades 9, 10, 11, 12

5 credits

The French I curriculum is designed for college bound students who want to learn the French language and culture. The focus of this course is on the four aspects of communication: listening, speaking, writing, and reading. Grammar will be taught to support and enable the students to communicate in French. Furthermore, students will gain a general understanding of the French cultural products, practices, perspectives, and how it compares to the United States. In French I, the focus is on self and the student's surroundings and expressing those ideas. Students who plan to study French should begin no later than 10th grade and plan to continue for a minimum of two to three years.

FRENCH II CP
Grades 9, 10, 11, 12

5 credits

The French II curriculum is focused on broadening the students' range of oral dialogue and written speech through additional vocabulary, idiomatic expressions, and more complex language structures. The student's ability to read, comprehend, and speak, as well as the content of their communication, will be enhanced through intense vocabulary

study. Students will continue to learn about French cultural products, practices perspectives, and how it compares to the United States. **Prerequisite:** *Successful completion of French I CP.*

FRENCH III CP
Grades 10, 11, 12

5 credits

In this course students will be expected continue to learn more about the French culture, and to expand their vocabulary while building on the four areas of listening, speaking, reading comprehension, and writing. Students will be expected to speak French more fluently by more precisely applying their knowledge of grammar, sentence structure, and vocabulary. **Prerequisite:** *Successful completion of French II CP with an 80 or above. Any grade lower than an 80 would require approval by the French teacher.*

FRENCH IV CP
Grades 11, 12

5 credits

In French IV, the four areas of communication, listening, speaking, reading comprehension, and writing will be stressed, as well as knowledge of the French language, culture, and history. Students will study French literature, poetry, songs, art, and films/videos. Independent study and research may also be assigned. **Prerequisite:** *Successful completion of French III CP with an 80 or better. Any grade lower than an 80 would require French teacher approval.*

LEARNING FRENCH THROUGH ART, HISTORY, FILM & SONG
Grades 10, 11, 12

5 credits

This course will focus on expanding French vocabulary, listening, reading, writing and speaking skills. The materials used will be based on French art, history, films/videos and songs. This will allow students to improve their French while learning about French culture and how it compares to the United States. **Prerequisite:** *Successful completion of French II CP with an 80 or above. Any grade lower would require approval by the French teacher.*

GERMAN II CP
Grades 10, 11, 12

5 credits

**Effective with the 2020-2021 school year, this course will be provided online.*

Emphasis is placed on the development of more complex language structures in order to broaden the students' range of oral dialogue and written speech. Intense vocabulary study will serve to enhance the content of communication in German as well as the students' ability to read and comprehend. Cultural aspects of German-speaking countries will continue to be taught to provide the students with a perspective of the people and their world. **Prerequisite:** *Successful completion of German I CP.*

GERMAN III CP**5 credits****Grades 10, 11, 12******Effective with the 2020-2021 school year, this course will be provided online.***

In this course students will be expected to speak German more fluently, and apply vocabulary and their knowledge of sentence structuring more precisely. A continued expansion of the vocabulary and writing skills will be stressed. **Prerequisite:** *Successful completion of German II CP with an 80 or better. Any grade lower than an 80 would require German teacher approval.*

GERMAN IV CP**5 credits****Grades 11, 12******Effective with the 2020-2021 school year, this course will be provided online.***

In German IV, all communicative skills are stressed. The main objectives are confidence in conversation, competence in writing, and knowledge of German language, culture, and history. German literature is studied, focusing on poetry and modern short stories. Independent study and research may also be assigned. **Prerequisite:** *Successful completion of German III CP with an 80 or better. Any grade lower than an 80 would require German teacher approval.*

SPANISH I CP**5 credits****Grades 9, 10, 11, 12**

The Spanish I curriculum is designed for students who are interested in learning to communicate in a world language and also experience Spanish and Hispanic culture both in Europe and in the Americas. The course concentrates on the four aspects of communicating in Spanish: listening, speaking, writing and reading. Grammar is taught to support the effort to speak and understand a world language. Students will develop a working vocabulary and basic grammatical patterns will be covered. It is suggested that the study of Spanish be for a minimum of two or three years beginning no later than the 10th grade.

SPANISH II CP**5 credits****Grades 9, 10, 11, 12**

The Spanish II curriculum is designed for students who are interested in learning to communicate in a world language and also experience Spanish and Hispanic culture both in Europe and in the Americas. The course concentrates on the four aspects of communicating in Spanish: listening, speaking, writing and reading. Grammar is taught to support the effort to speak and understand a world language. Students will develop a working vocabulary that will be extended to apply more advanced grammar patterns, idiomatic expressions, and explore the culture of Spanish speaking people. **Prerequisite:** *Successful completion of Spanish I CP.*

SPANISH III CP
Grades 10, 11, 12

5 credits

This Spanish III course is developed on the experience of Spanish and Hispanic culture both in Europe and the Americas. The course will continue to build on the four aspects of communication in Spanish: listening, speaking, reading, and writing. Students will continue developing a thematic working vocabulary and more advanced grammatical patterns. **Prerequisite:** *Successful completion of Spanish II with an 80 or better.*

SPANISH IV CP
Grades 11, 12

5 credits

In Spanish IV, reading and writing skills, conversation and speaking are stressed. Cultural experiences continue to be emphasized. This course will continue to build on the four aspects of communication in Spanish: listening, speaking, reading, and writing. Short literary works are a peripheral focus. **Prerequisite:** *Successful completion of Spanish III with an 80 or better.*

WORLD CULTURE AND CONVERSATION
Grades 9, 10, 11, 12

5 credits

This course is designed to meet the needs of a student who must take one course in a world language to meet graduation requirements, but who is not planning to go beyond the one year nor to study a world language in a four-year college. This course will introduce the student to a world language through conversation and cultural study. This course could be focused on German, French or Spanish based on the availability of staff. The student will develop communication skills through student-centered activities, conversations about current events and events in everyday life, and storytelling. Students will learn to appreciate another culture's customs, holidays, politics, and works of art. Students will use technology to enhance language acquisition and to acquire cultural information. Grammar will play a supplementary role. ***This course is not a college preparatory course and will not fulfill college entry requirements. However, the course does fulfill high school graduation requirements.***

21st CENTURY LIFE AND CAREERS ELECTIVES

These courses address the New Jersey Student Learning Standards in the area of 21st Century Life and Careers. Students must earn 5 credits in this area. Students may select elective courses to earn credits toward graduation and to develop personal interests and/or career goals.

AP COMPUTER SCIENCE A *(Exam fee is required by 11/2/20; late fee applied if after due date)* **5 credits** **Grades 11, 12**

This course mirrors Computers II (the difference being that Computers II students can use notes and the textbook on assessments and major assignments are weighted lower than the AP students. This is a secondary computer science (main focus on computer programming) course designed to familiarize students with the JAVA programming language and object-oriented programming. Course topics will include a relatively quick review of general computer science topics, primitive types, basic I/O, arithmetic operations, control structures, and methods. Then a focus on object-oriented programming (classes, objects, data members, method members, encapsulation, abstraction) will be maintained through the rest of the course. With this, standard library objects, object references, static data and methods, Interfaces, Arrays, Array Lists, Inheritance, Polymorphism, and Recursion are all covered. Stacks and Queues may be taught with time permitting. Class work will include presentation of material by the instructor, accompanied by multi-faceted questions on subject matter and appropriate programming on the computer. **If a student does not take the AP exam he/she will not receive weighted value points (5.5) for class rank and GPA. For further clarification of this course please see details on page 7. Prerequisite: Successful completion of Computer I, or equivalent with an “A” and teacher recommendation.**

COMPUTER ART **5 credits** **Grades 9, 10, 11, 12**

Computer Art students will utilize graphic software to learn the fundamental technology of vector graphics and to generate graphic images. This course is offered as part of and in addition to, the traditional art curriculum. Students will use the computer as an art tool to produce paintings, and drawings. The second half of the course will utilize software to learn the fundamental technology of raster and vector images and use the computer to generate both graphic and photographic images. Students will continue use of the computer as an art tool in scanning and manipulating images to produce both logos and advertising and commercial graphics.

COMPUTER ART II **5 credits** **Grades 10, 11, 12**

It's time for MORE! More Photoshop! More Illustrator! And more *combining* Photoshop and Illustrator! Plus 3D design and printing! A review of the basics; then on to more advanced and individual projects with *real-world* use. **Prerequisite: Computer Art or teacher recommendation.**

COMPUTER I - C++ PROGRAMMING
Grades 9, 10, 11, 12

5 credits

The Computer I course introduces students to the field of computer science with the main focus on computer programming. The C ++ language will be studied utilizing IDEs/Compilers within a Windows environment. Topics covered include history of computers and programming, primitive types, basic I/O, arithmetic operations, control statements, arrays, functions, file I/O, user defined data structures and classes/objects. Students will be expected to write, debug, and run their own command line computer programs.

COMPUTER II - JAVA PROGRAMMING
Grades 10, 11, 12

5 credits

This is a secondary computer science (main focus on computer programming) course designed to familiarize students with the JAVA programming language and object-oriented programming. Course topics will include a relatively quick review of general computer science topics, primitive types, basic I/O, arithmetic operations, control structures, and methods. Then a focus on object-oriented programming (classes, objects, data members, method members, encapsulation, abstraction) will be maintained through the rest of the course. With this, standard library objects, object references, static data and methods, Interfaces, Arrays, Array Lists, Inheritance, Polymorphism, and Recursion are all covered. Stacks and Queues may be taught with time permitting. Class work will include presentation of material by the instructor, accompanied by multi-faceted questions on subject matter and appropriate programming on the computer.

DESKTOP PUBLISHING I
Grades 10, 11, 12

5 credits

If you thought this year's yearbook was terrific, be a part of producing next year's yearbook. This practical, hands-on course offers students a chance to learn new computer and writing skills and see their work published. Students will learn journalistic skills and use them to publish the Schalick High School yearbook, the Horizon. They will learn how yearbooks are developed and organized, how to interview people, and how to write news and feature stories, as well as headlines and captions. They will also learn how to take good photographs and crop and organize them for maximum effect on the printed page. Students will learn basic and advanced layout design on the computer, using an online desktop publishing program. Students need to be self-starters and diligent workers since the course grade is based largely on the amount of work the student produces for publication. Any hard-working student will be able to learn the skills necessary for producing a yearbook. Students who have successfully completed the Desktop Publishing I CP will also be given priority consideration for editorial positions on the yearbook.

DESKTOP PUBLISHING II, III, IV
Grades 11, 12

5 credits

Students who select this course will apply the skills attained in Desktop Publishing I to finalize the yearly edition of the Schalick High School yearbook, the Horizon. Participation in this course requires the student to display a degree of organizational skill, the ability to work independently on a group project, and to understand the importance of meeting specific publication deadlines. Students who have successfully completed Desktop Publishing I will also be given priority consideration for editorial positions on the yearbook. **Prerequisite:** *Successful completion of Desktop Publishing I with an 80% or better.*

EARLY CHILDHOOD DEVELOPMENT & CAREERS
Grades 10, 11, 12

5 credits

Students will learn about early childhood development with an emphasis on the preschool years. In addition to learning about childcare practices, students will examine the physical, social, emotional, and cognitive growth and development of a child from age three through age five. Students will explore careers in early childhood, and they will gain hands-on experience by observing and collaborating with teachers and children in the Norma Preschool center several times over the course of the semester. **Prerequisite:** *An interest in early childhood education or childcare as a potential career path, in addition to a love for working with young children, is strongly recommended.*

MEDIA
Grades 9, 10, 11, 12

5 credits

This course concentrates on three main areas of study: radio history and production, television history and production, and video editing and production. The history of the various media will be studied in light of their historical and cultural impact on society. Students will present one semester of Schalick Sunrise, pre-taped, and will use iMovie and Final Cut Pro to plan, edit, and export video segments. Assessment is primarily based on student performance. Collaborative work is emphasized.

MEDIA ADVANCED
Grades 11, 12

5 credits

Successful completion of Media is a prerequisite for Media Advanced. Students in this class will concentrate on producing one semester of Schalick Sunrise with live broadcasting. They will refine basic camera and editing skills, and expand skills in Final Cut Pro including Live Type and Sound Effects. In addition, projects will include camera angle project, chroma key project, a commercial and PSA project, a documentary or short film, and a video for a client. Additionally, a critical study of film will be another aspect of this course. Emphasis in this class will be on real-life work production projects and

experiences. There will be continued emphasis on aesthetic and creative shot composition as well as design and decision-making skills. Collaborative and individual work is the basis for this course. Assessment is based on student projects and performance.

Prerequisite: *Successful completion of Media with a “B”, or teacher recommendation.*

**PARTICULAR TOPICS IN COMPUTER PROGRAMMING - INTRODUCTION
TO PROGRAMMING AND COMPUTER SCIENCE** **5 credits**
Grades 9, 10, 11, 12

This course is designed for those students who are hesitant to take Computers I (which consists of a much more in depth study of computer science and programming). It will consist mainly of a project-based introduction to computer programming via the Visual Basic programming language (70%), Robotic Programming using the Java programming language (15%), and SNAP (block) Programming (15%). Those students who wish to take more computer science courses in high school and college are urged to take Computers I.

STREET LAW **5 credits**
Grades 10, 11, 12

This course focuses on legal issues relevant to students’ lives and helps students to develop the knowledge and skills essential for our law-saturated society. Students will work on their problem- solving skills with case studies that illustrate legal issues in the context of real-life and hypothetical situations. They will study both civil and criminal law and how the government develops laws and deals with law-breakers. The course will also use hypothetical scenarios to explain legal processes. There are also legal documents to study, human rights issues to consider and highlights of variations in state laws.

WEB PAGE DESIGN – WEBSITE COMPOSITION **5 credits**
Grades 9, 10, 11, 12

After students cover the history of the internet, internet services and browsers, they will be given instruction on HTML5. With pure html, static web pages will be created that will contain text, images, lists, links, formatting, tables, frames, and forms. Styling and layout will follow via CSS. Web servers will then be covered and Apache servers will be installed locally. With http and other server capabilities, interactive and dynamic pages will then be created. Form data will then be processed and stored with PHP. The content will continue with a natural progression to MySQL database creation, connectivity, and interaction using SQL. The use of current industry-standard (WSYWIG) website creation software will then be used to create static web pages. Adding some JavaScript and templates will be the main focus with the use of this software.

SCIENCE, TECHNOLOGY, ENGINEERING, & MATHEMATICS (STEM) – ENGINEERING PATHWAY COURSES—PROJECT LEAD THE WAY

Project Lead the Way (PLTW), the nation's leading STEM program, was introduced to the Schalick High School curriculum in the Fall 2016. Students prepare for careers in a global economy through rigorous courses that include applying engineering, science, math, and technology to solve complex, open-ended problems—both individually and collaboratively in a real-world context. All of the PLTW courses listed below qualify as 21st Century Life and Careers or Career-Technical Education courses for graduation requirements. **PLTW courses earn a weighted GPA at the level of an Honors Course.**

INTRODUCTION TO ENGINEERING DESIGN

5 credits

A Project Lead the Way Foundation Course

Grades 9, 10, 11

Introduction to Engineering Design (IED) is the rigorous foundation course in the Project Lead the Way (PLTW) Engineering Program in which students are introduced to the engineering profession and a common approach to the solution of engineering problems, an engineering design process. Students will participate in project-problem based learning and complete structured activities and solve open-ended problems that require planning, documentation, communication, and other professional skills. Computational methods, statistical analysis, mathematical modeling, and product development skills are emphasized. *Students will earn a weighted GPA for this course at the level of an Honors Course.*

CIVIL ENGINEERING AND ARCHITECTURE

5 credits

A Project Lead the Way Engineering Pathway Course

Civil Engineering and Architecture (CEA) will introduce students to important aspects of building and site design and development. Students will utilize Science, Math, and Engineering practices to design residential and commercial projects using 3D architectural design software. Students will solve open-ended projects and problems that require collaboration, planning, documentation, communication, and other professional skills. Students will develop skills in engineering calculations, technical representation, and documentation of design solutions according to accepted technical standards. This course is the second offering in the Project Lead the Way Engineer Pathway. *Students will earn a weighted GPA for this course at the level of an Honors Course. Prerequisite: Successful completion of Introduction to Engineering Design is required prior to enrollment in this course.*

PRINCIPLES OF ENGINEERING

5 credits

A Project Lead the Way Foundation Course

This survey course will expose students to some major concepts that they will encounter in a postsecondary engineering program. This engaging and challenging course will explore a broad range of engineering topics, including mechanisms, materials and structures, automation, and kinematics. This course will develop secondary level knowledge and skills in math, science, and technology through activity-, project-, and problem-based learning. *Students will earn a weighted GPA for this course at the level of an Honors Course.* **Prerequisite:** *Successful completion of Pre-Calculus CP or Honors is recommended prior to enrollment in this course.*

ENGINEERING DESIGN AND DEVELOPMENT

5 credits

A Project Lead the Way Capstone Course - A senior level course for students who have successfully completed the PLTW foundation and elective courses.

Open-ended engineering research is the highlight of this PLTW capstone course. Students will work in teams to design and develop an original solution to a well-defined and justified open-ended problem by applying an engineering design process. The teams will select an approach, create, and test their solution prototype and present and defend their original solution to an outside panel by working closely with experts in the field. EDD is appropriate for any student interested in a technical career path and should be taken as the final course in the PLTW pathway. *Students will earn a weighted GPA for this course at the level of an Honors Course.* **Prerequisite:** *Successful completion of Introduction to Engineering Design is required prior to enrollment in this course.*

FINANCIAL LITERACY/ECONOMICS ELECTIVES

A minimum of 2.5 credits in Finance, Economics, Business & Entrepreneurship is a required elective for all students for graduation.

ACCOUNTING

5 credits

Grades 10, 11, 12

Accounting introduces the fundamental accounting principles and procedures used in businesses. Course content includes the full accounting cycle, payroll, taxes, debts, ledger and journal techniques, and periodic adjustments. Students will learn how to apply standard auditing principles. Calculators, electronic spreadsheets, and other automated tools are used. **This course is eligible for dual credit course with Salem Community College.**

ACCOUNTING II
Grades 10, 11, 12

5 credits

Accounting II reinforces the accounting cycle and continues the study of accounting for a corporation through departmentalized accounting. The course includes the study of advanced payroll, uncollectible receivables, inventory systems, methods of depreciation, plant assets, notes receivable and payable, accrued revenue and expenses, related taxes, corporate financial statements, and financial analysis. Advanced adjustments, financing a corporation, and reports unique to corporate and managerial accounting are included. The basics of cost accounting will also be included. This course is the basis for further advanced accounting study and highly recommended for students interested in a career in accounting and/or business.

ENTREPRENEURSHIP
Grade 11, 12

5 credits

Entrepreneurship introduces students to the world of creating and owning their own business. Students will learn the concepts and techniques of planning and innovation. They will brainstorm opportunities, create a basic business plan, and learn basic marketing, management, and economics. Business etiquette, networking, effective client presentations in a business environment will be developed through role-playing and case study. **Prerequisite:** *Successful completion of Accounting I, Managing Money or Personal Financial Literacy.*

LIFE MANAGEMENT AND PERSONAL FINANCE
Grades 11, 12

5 credits

This course is intended to assist the student in developing the skills necessary to live away from home for the first time. Included in this course are units of study in values clarification, goal setting, food and nutrition, clothing, financial management, interview and employment skills, consumerism, and leisure time activities. This course prepares students to become self-reliant and better capable of managing their future.

MANAGING MONEY AND FINANCIAL LITERACY
Grades 9, 10, 11, 12

5 credits

Managing Money and Financial Literacy helps students develop the skills to think independently and critically about money management and financial investment. All areas of personal finance will be covered including savings options, investing (Stock Market Game), compound interest, loans, credit/debit cards, insurance, and budgeting. Individuals will learn and become proficient in using Excel spreadsheets for organization, calculations, and charts. Computer use and the Internet are part of the daily activities.

PERSONAL FINANCIAL LITERACY (*Online Only*)
Grades 9, 10, 11, 12

2.5 credits

This course covers Money & Global Economy, Income & Spending, Budgeting & Goal Setting, Banking Services, Investing Money, Credit, Debit & Bankruptcy, Taxes, Financial Risk Management, and Career Planning. This is an Independent course. Students should expect to spend an additional 5 to 10 hours of independent study outside of the classroom.

NON-CREDIT SELECTIONS

Students must apply for aide positions.

ACADEMY AIDE – Grade 12

Students must demonstrate an interest in the Performing Arts they will work directly with the visual art teacher and the theatre art teacher. Assisting with a variety of duties for the visual art department and the theatre classes. Working on props, lighting, preparation of advertisements and brochures. ***Must have Academy teacher approval.***

EARLY SIGNOUT – Grade 12

Seniors who have sufficient credits for graduation may apply. Students are required to attend school for at least 4 blocks per day and can not sign out earlier than 11:12 a.m. Seniors who choose this option are permitted to attend and stay for 1 pep rally or assembly held in the afternoon. Students are not permitted to leave school. You must remain in a supervised area, in school until the start of the event. **(Applications may be obtained in the Guidance Office.)**

EARLY SIGN OUT/LATE SIGN IN/MENTOR – Grade 11, 12

Schalick High School students in grades 11 & 12 mentor students in grades K-5 to increase academic achievement, student motivation, self-esteem, and life and social skills.

GUIDANCE AIDE – Grade 12

Responsibilities of Guidance Aide include the following:

- Maintenance of Guidance bulletin boards
- Assisting students with locating and using Guidance reference materials
- Distributing passes for counselors
- Helping new students navigate the high school (locker, lunch, classroom, etc.)

The student must have good organizational skills, be personable, willing to work on assigned tasks, and accept responsibility.

LATE SIGN IN – Grade 12

Seniors who have sufficient credits for graduation may apply. Students are required to attend school for at least 4 blocks per day. **(Applications may be obtained in the Guidance Office).**

MEDIA AIDE – Grade 12

Students will work directly with the media teacher, assisting with a variety of duties for the media class, helping in the production of Schalick Sunrise. ***Must have Media teacher approval.***

OFFICE AIDE – Grade 12

A sense of responsibility and willingness to assist others is essential to be an office aide. Students selected as office aides should be able to demonstrate abilities and accept responsibilities for the following:

- Assisting the receptionist with greeting visitors to the main office
- Distributing passes for the Assistant Principal
- Assisting with copy work as needed
- Preparing mail for the daily mail run / sorting mail
- Counting out materials to be distributed to students and teachers
- Distributing student messages

PHYSICAL EDUCATION AIDE – Grade 12

Students will assist the PE teacher or Athletic Director with equipment and other duties as needed. ***Must have the approval from the Athletic Director and PE teacher.***

YEARBOOK AIDE – Grade 12

Students will work directly with the Yearbook teacher, assisting with a variety of duties in creating, editing, photography, etc. Students must apply for this position with the Yearbook Advisor.

OPTION TWO

The following opportunities are available to students while still enrolled in Schalick High School:

- **Academy Program** for Grades 9-12
- **Alternative Educational Opportunities** which includes dual credit with Salem Community College, on-site college courses, summer school, credit recovery online courses.
- **College Courses** for academic credit with preapproval by administration.
- **Full-time/Shared time at Salem County Technical and Career High School** for Grades 9-12
- **Mentor Program**—Schalick High School students in grades 11 and 12 mentor students in grades K-5 to increase academic achievement, student motivation, self-esteem, and life and social skills.

DUAL CREDIT COURSES

A number of APSHS courses that are part of the regular curricular program are eligible for Dual Credit. Students enrolled in these courses must declare their intent to gain college credit for successful course completion by the middle of the semester of the course. Application and tuition and fees are due to Salem Community College at the time of Dual Credit declaration. Tuition and fees are solely the responsibility of the student. Students must earn a 76 or higher in the APSHS course to earn the Dual Credit course from SCC.

SHS offers the following courses for Dual Credit with SCC:

SHS Courses equivalent to...	SCC courses
AP Biology	General Biology 1 – BIO 101 & General Biology 2 – BIO - 102
AP Calculus	Calculus I - MAT 231
AP US History	US History 1 – HIS 201 & US History 2 – HIS 202
Accounting	Principles of Accounting I – ACC 131
Pre-Calculus Honors	Pre-Calculus – MAT 153
US History Honors	US History 1 – HIS 201
AP Language and Composition	English Composition I – ENG 101
AP Literature and Composition	English Composition I – ENG 101
AP Psychology	General Psychology – PSY 101

Please ask your guidance counselor for more information on Option Two selections.

SALEM COUNTY VOCATIONAL TECHNICAL HIGH SCHOOL – PROGRAMS

All programs are offered on a full or shared time basis. Applications are available in the Guidance Office. Students who attend the Salem County Career and Technical High School and desire to transfer back to Schalick High School should do so at the end of the semester or end of the school year in order to earn all possible credits. Students who attend Vo-Tech are not permitted to forego Vo-Tech to attend Schalick pep-rallies/assemblies.

- Air Force Junior ROTC
- Allied Health Professionals
- Auto Collision Repair Technology
- Automotive Technology
- Child Care and Early Childhood Education
- Computer Assisted Design and Drafting
- Construction Technology
- Cosmetology
- Culinary Arts and Hospitality
- Electrical Technology
- Graphics Technology
- Information Technology: Computer Hardware and Software
- Law Enforcement and Public Safety
- Welding Technology
- Career Orientation

AIR FORCE JUNIOR ROTC

The Air Force Junior Reserve Officer Training Corps (AFJROTC) offers students the opportunity to explore the fast-paced world of aerospace and military science. Students learn about the history of flight, the development of airpower, as well as the missions and operations of the United States armed forces. They examine the science of flight, from weather and aviation physiology, to the theory of flight and aircraft navigation. The program includes studies of the solar system and space technology. Students will be exposed to several career opportunities in the aerospace industry. Students will learn the fundamentals of good communications, effective management, and human relations and receive leadership training that will prepare them for life after high school.

ALLIED HEALTH PROFESSIONALS

The Allied Health Professionals program at the Career and Technical High School centers on the philosophy that health encompasses an individual's mind, body, and spirit. An imbalance in one of the three can have adverse effects on the other two. For this reason, instruction focuses on a holistic health model that reinforces healthy-living

concepts. The Allied Health Professionals program expands upon these concepts to develop a new vision of health and wellness. Classrooms and instructional styles are designed to use the latest in state-of-the-art technology and equipment. Within the structure of the program, and through numerous curriculum in action trips, students explore multiple career pathways in the health sciences to help them decide on a future career or college major.

AUTO COLLISION REPAIR TECHNOLOGY

The Automotive Collision Repair program trains students for a challenging career in the automotive industry. Students learn identification, construction removal, replacement, and repair of all automobile body parts, glass and upholstery. The Career and Technical High School meets the stringent requirements set by the National Institute for Automotive Service Excellence (A.S.E.) and has been certified by the National Automotive Technicians Education Foundation (NATEF). Upon completion of this program and three years of on the job work experience students are eligible to test for the Automotive Service Excellence certification.

AUTOMOTIVE TECHNOLOGY

The Automotive Technology program familiarizes students with safe work practice, tool introduction, and what would be expected in a working environment. There are extensive hands- on and theory situations throughout all aspects of the program. Students also study: brake repair, emission control repair, electrical repair, and transaxles and differentials repair. This program follows the Automotive Service Excellence (ASE) certification standards. Upon completion of this program students have the opportunity to become ASE certified.

CHILD CARE AND EARLY CHILDHOOD EDUCATION

The Child Care and Early Childhood Education program helps the student prepare for a career in childcare or early education fields. The program guides the student through practical ways to assist children in a variety of daily experiences in healthy, safe and educational ways. Students learn about how children develop physically, intellectually, socially, and emotionally. This understanding of children will help enable the student to plan for and react to children with confidence and ensure the student that these actions are developmentally appropriate. All students will have the opportunity to participate in a clinical experience, which allows for interaction with children and elementary aged students.

COMPUTER ASSISTED DESIGN AND DRAFTING

The Computer Assisted Design and Drafting (CADD) program equips students with computer drafting and design skills from a range of disciplines. Students learn technical and computer skills that can be applied to: mechanical, architectural, civil, electrical, HVAC, and pipe drafting and design. Students experience manual as well as computer drafting in AutoCAD. In addition to AutoCAD students will have the opportunity to explore Architectural Desktop, Mechanical Desktop, Inventor, 3D Studio Vis, AutoDesk Mechanical and Electrical, Revit, SignLab, Corel Draw, and more. In addition to the conventional drafting and design skills, students develop an understanding of Computer Aided Manufacturing (CAM) through the use of graphic designs. At the completion of the CADD program students are prepared for employment or higher educational opportunities.

CONSTRUCTION TECHNOLOGY

The Construction Technology program is designed to provide basic knowledge and develop technical skills used in the construction industry. Classroom instruction prepares students for an apprenticeship in the construction trades. The program relies on hands-on activities supported by visual presentations to assist the student with workplace preparation. The information and techniques presented by this program illustrate practices that are generally accepted throughout the United States. Typically, these practices are taught to all entry-level apprentices. Therefore, mastery of these skills should be the goal of every student participating in the Construction Technology program.

COSMETOLOGY

The Cosmetology program provides students with the skills necessary to enter a fast-paced and highly competitive industry. Students learn basic job entry-level skills and develops an attitude of life long learning. The training covers permanent waving, hair coloring, hairstyling, skin care, shaving, chemical and physical hair straightening, manicuring, and pedicure. Students also learn the importance and value of creating and maintaining a client database. In November of each school year, experienced second-year students operate a cosmetology clinic, where clients can come to receive services, and students apply the technical skills that they have learned. After acquiring 600 hours, students will obtain a student permit. The permit allows a student to work in a salon after school and on weekends. Upon completion of the program students are prepared and expected to take and pass the State Board Examination to receive the Cosmetology and Hairstyling license.

CULINARY ARTS AND HOSPITALITY

The Culinary Arts and Hospitality program prepares students for a career in one of the fastest growing industries today. Students have complete access to a fully equipped, state-of-the-art kitchen facility, where they experience a full-scale culinary operation. After completing the courses of study, students are able to make several soups and sauces, a variety of salads, entrees, and desserts. The district employs culinary arts students during the school year to prepare and serve breakfast, lunch, and dinner functions held at the school. Upon completion of the course, students can receive certification in Serve-Safe Training and Pro-Start Year 1 and 2.

ELECTRICAL TECHNOLOGY

The primary purpose of this program is to educate students about electrical technology by presenting a comprehensive selection of courses. At this level, students learn: basic electrical theory, wiring methods and materials, national and local electrical codes, and print layout. The students gain the experience to install receptacles, switches, lighting, and service entrance conductors. While working with the various circuits for both residential and industrial facilities, students learn to work safely around electricity and to use the proper tools for residential and industrial wiring. As students progress through the program, they learn about motors, programmable logic controls, generators, and meters.

GRAPHICS TECHNOLOGY

Graphics Technology is a dynamic, rapidly evolving industry. The knowledge and skills of production and printing technology used in the industry are needed in many professions including marketing and sales. Producing professional quality business newsletters, brochures, color catalogs and magazines are considered in house projects for countless organizations. Graphics Technology courses are designed for students who want to pursue careers in graphic arts or print production. The program allows students to work individually on both large and small scale print production projects. Students enrolled in this program give creative input to projects in addition to design and final print production.

INFORMATION TECHNOLOGY

Computer Hardware and Software

The Information Technology Computer Hardware and Software program provides students with the skills necessary to maintain personal computers in a networked environment and introduces them to the perpetually evolving software industry. For the hardware component, students learn how to design and install voice, data communications, and video systems in a wire or wireless network. Students also prepare

for an A+ certification exam to succeed in the PC repair and network industry. For the software component, students begin with a foundation in computer software application and image manipulation. Students also learn how to integrate advanced web- design techniques into their websites in the advanced courses.

LAW ENFORCEMENT AND PUBLIC SAFETY

Students enrolled in the Law Enforcement Program learn about the history of the criminal justice system in America, the crime and nature of law, as well as legal and behavioral aspects of crimes. Students study New Jersey Code of Criminal Justice (Title 2C), New Jersey Motor Vehicle Law (Title 39), as well as various criminal statistics and the extent of crimes. The program investigates drug and alcohol abuse, the criminal justice process, the U.S. Constitution and Constitutional issues, as well as search and seizure involving police and the Constitution. Students learn police report writing, various career identifications in the Bar of Justice, and describe the structure of American and New Jersey courts. Students also study the components of investigating motor vehicle crashes, patrolling and investigation, and techniques and responsibilities of telephone and radio communications.

WELDING TECHNOLOGY

Welding is more than simply joining two pieces of metal together. Students who enter the Welding Technology program acquire very useful skills. Many people, who never intended to make welding a profession, take welding courses to gain a valuable skill used in their own work. Plumbers often use a welding torch. Automobile mechanics frequently need welding skills for auto bodywork. Farmers who weld save money by repairing their own tools and equipment. Students develop skills in a variety of areas such as: shielded metal arc, tungsten inert gas (TIG), metal inert gas (MIG) and oxyfuel welding techniques. Through the use of blueprints and development of layout procedures, students also learn to make multi-positional, high quality welds on a variety of metals.

CAREER ORIENTATION PROGRAM (Shared Time Only)

The Career Orientation program serves students with special needs to successfully complete a two-year shared-time career and technical education program over the course of four years. Students are expected to demonstrate adequate progress in both the hands-on and essential skills components of the program. The Career Orientation cluster classes introduce students to several career pathways. The four courses include: Trade and Industry Career Cluster, Hospitality and Human Service Career Cluster, Information and Design Career Cluster, and Essential Academic and Social Skills Cluster.

SALEM COUNTY ARTS, SCIENCE, AND TECHNOLOGY ACADEMY PROGRAMS

Salem County Academy Programs are available on a full-time basis only.

ACADEMY OF COMMUNICATIONS AND INFORMATION TECHNOLOGY Hosted at Woodstown High School

The Academy of Communications and Information Technology is hosted at Woodstown High School. The core curriculum will focus on the field of communications, public relations and the radio, television and film industries. This program will focus on writing skills essential to media production, news reporting, documentation, and developing audience appeal. Students will learn the skills necessary to compose concise, succinct news articles. Feature writing, public speaking, and various types of creative writing will also be explored. Audio (radio, recording, and narration), visual (television and video) production as well as mass print media, advertising, public relations, law and ethics will also be taught. The academy has an articulation agreement with Salem Community College that gives six credits at no cost to the student.

ACADEMY OF ENGINEERING AND TECHNOLOGY Hosted at Penns Grove High School

The Academy of Engineering and Technology is a collaborative program offered by the Salem County Vocational Technical Schools in partnership with the Penns Grove/Carneys Point Regional School District. The program design provides a small, nurturing, student-centered environment for young people who are talented and truly interested in the science of engineering. The focus of the program is to prepare students for life-long learning as responsible, creative, problem-solving adults. This program offers a rigorous curriculum in science and engineering education for students in grades nine through twelve. It is designed to provide a career pathway to further education in the engineering sciences. In the senior year, students may choose to pursue an option to take engineering and technology courses at Salem Community College or the Freshman Engineering Clinic at Rowan University.

ACADEMY OF GRAPHIC DESIGN IN MULTI-MEDIA TECHNOLOGY Hosted at Pennsville Memorial High School

The Academy of Graphic Design in Multi-Media Technology is hosted at Pennsville Memorial High School in a state-of-the-art facility containing desktop publishing computer stations, advanced software and a Graphic Design Center. The curriculum is designed for highly motivated students who are interested in pursuing careers and further education in multi-media design, desktop publishing and commercial graphic design. Emphasis is placed on computer-generated applications and software in the arts field.

Students are required to develop and maintain a professional portfolio of their years' work. Student projects will include, but not be limited to, consumer package design, record package design, political poster design, quarter to full-page advertisements, the study of typography, slide presentations, personal business cards and book jacket design. Students may earn college credit through Salem Community College and can be awarded PrintEd certification.

ACADEMY OF BIOLOGICAL AND MEDICAL SCIENCES
Hosted at the Career and Technical High School

This Academy, hosted at the Salem County Career and Technical High School, provides a curriculum based in the sciences. Independent thinking in a collaborative learning environment is encouraged. The Academy focuses on providing students with a full range of medical and biological science studies. Within the structure of the program, students can explore multiple career pathways in the medical and biological sciences to help them decide on their future career. Students will participate in four years of college preparatory education in which college credits can be earned during the sophomore, junior and senior years of high school. Throughout the four years, students will be exposed to a wide range of health occupations and medical terminology to provide perspective in their career decision.

ACADEMY FOR ENERGY APPLICATIONS
Hosted at the Career and Technical High School

The Academy for Energy Applications is offered through the Salem County Vocational Technical Schools in partnership with Atlantic City Electric, PSEG Nuclear and South Jersey Gas. The Academy, hosted at the Career and Technical High School, is available to high school students in Salem County. The curriculum for the Academy program focuses on hands-on and laboratory learning experiences in the fields of energy, power generation, distribution, and utility technologies. Students will also study the variety of scientific, mathematical, and communication skills necessary to support the hands-on learning experiences. The Academy offers college credits, at no cost to the student, towards an associate's degree at Salem Community College.

ACADEMY OF CREATIVE AND PERFORMING ARTS—DANCE
Hosted at Arthur P. Schalick High School

The Academy of Creative and Performing Arts *dance* discipline is hosted at Arthur P. Schalick High School. The core arts component will focus on dance. This program is designed for the serious-minded individual who wishes to explore his/her artistic discipline fully. Its goal is to introduce students to a variety of dance disciplines, equip them with a high degree of technical proficiency and create a well-rounded dancer: a technical and an intellectual artist. In addition, students will gain an understanding of the

historical and cultural perspective and build an awareness of the strong links between the visual arts, music, theater, and dance.

ACADEMY OF CREATIVE AND PERFORMING ARTS—DRAMA
Hosted at Arthur P. Schalick High School

The Academy of Creative Arts *drama* major is hosted at Schalick High School. The core arts component will focus on drama. Students participating in the Academy will become versed in the literature, language of the theatre, gain practical understanding in scripts and be exposed to the various aspects of technical theatre including lighting, sound design, set design, costume design, construction design, and front-of-the-house operations.

ACADEMY OF CREATIVE AND PERFORMING ARTS—VISUAL ARTS
Hosted at Arthur P. Schalick High School

The Academy of Creative Arts is hosted at Schalick High School. The core arts component will be Visual Arts. Students participating in the Academy will be expected to exhibit a rigorous work ethic relating to all aspect of art, including creative visual thinking, art history and design for commercial and private sectors. Students will also be exposed to practicing professional artists, studios and art galleries. It is assumed that students participating in the Academy will be serious college-bound art majors and will produce a balanced portfolio prior to completing the program.

ACADEMY OF CREATIVE AND PERFORMING ARTS—VOCAL MUSIC
Hosted at Pennsville Memorial High School

The Academy of Creative and Performing Arts - Vocal Music discipline is hosted at Pennsville Memorial High School. The core arts component will focus on Vocal Music. Students participating in the Academy will be enrolled in two periods of music each year. One will be their major performance ensemble (Eagle Singers) and the other will be Advanced Music Class. In addition, students will receive a private or small group voice lesson.

**ACADEMY OF CREATIVE AND PERFORMING ARTS—
INSTRUMENTAL MUSIC**
Hosted at Pennsville Memorial High School

The Academy of Creative and Performing Arts Orchestral Music discipline is hosted at Pennsville Memorial High School. The core arts component will focus on Orchestral Music. Students participating in the Academy will be enrolled in two periods of music each year. One will be their major performance ensemble (Band or Orchestra) and the other will be Advanced Music Class. In addition, students will receive a private or small group lesson on their major instrument. Each participating student will produce a balanced art portfolio prior to completing the program.

HIGH SCHOOL PROGRAM PLANNER & WORKSHEET

(Class of 2021 & higher)

	GRADE 9	GRADE 10	GRADE 11	GRADE 12	REQUIRED FOR	GRADUATION
					YEARS	CREDITS
English	English 9	English 10	English 11	English 12	4	20
Social Studies	World History	US History I	US History II		3	15
Mathematics	Algebra I/Algebra IA/IB/Geometry	Geometry/Algebra II/Algebra IIA/IIB	Algebra II/Algebra IIA/IIB/Pre-Calculus/Essential Math	AP Cal, Cal, AP Stats, Stats, Essential Math	4	20
Science	Integrated Science	Biology	Lab Science Course		3	15
World Language	Spanish or French	Spanish or French			1/2	5/10
Physical Education/Health	Health/PE 9	Health/PE 10	Health/PE 11	Health/PE 12	4	20
Visual/Performing Arts					1	5
Career Education, 21 st Century Life & Careers					1	5
Financial Economic, Business & Entrepreneurial Literacy					1	Min. 2.5
Electives						27.5
TOTAL CREDITS						135

- All courses are college preparatory unless otherwise indicated in the Program of Studies.
- In order to be **eligible for Fall and Winter co-curricular activities and sports**, students must have earned **at least 30 credits** during the prior school year.
- In order to be eligible for **Spring co-curricular activities and sports**, students must be passing the equivalent of **at least 15 credits** at the end of the first semester.
- Must meet an assessment requirement as outline on pp. 12-13 of the Program of Studies.

**A. P. Schalick High School
Course Recommendation Form
2020-2021**

Student Name: _____ **Current Grade Level** _____

- Students should present this form to all teachers for course recommendations for next school year.
- Students who plan to take an Honors or AP course **MUST** complete this form including parent signature and return it to their counselor.
- Students should be aware of the expectations including summer assignments for the courses.

The decision to take an Honors or AP course is a serious one. The work in these courses will require the following:

- 1) Exemplary work habits and time management skills.
- 2) A genuine desire to learn.
- 3) Personal responsibility for attendance and work requirements.
- 4) Self-discipline and the determination to succeed.
- 5) Completion of summer reading assignments where required.
- 6) Competence in and a willingness to improve communication skills—especially writing.
- 7) AP students are required to take an end-of-course AP exam(s) in May.
(Note: If you do not take the AP exam, you will receive College Prep weight for the course(s)).
- 8) Students **MAY NOT DROP** an Honors or AP course once the semester has started.

Subject	Current Course/Recommended Course	Teachers Signature <small>Required for Honors and AP course</small>
English		
Math		
History		
Science		
World Lang.		
Academy		

I have seen the above recommended courses for the 2020-2021 school year and understand the commitment and time necessary to ensure my child's success. I also understand the policies regarding course changes outlined above.

Student Signature and Date

Parent Signature and Date

Final grades earned in the 2019-2020 school year may determine changes in placement for the 2020-2021 school year.

Arthur P. Schalick High School
Course Registration Form

Student Name _____ Current Grade _____

Students should refer to the 2020-2021 Program of Studies to assist them in completing this form and to determine their eligibility for each course before selection. All students, except seniors are required to register for a minimum of 8 courses. It is highly recommended that you select 3 additional elective courses in case your first choice is not available. Please indicate your 1st, 2nd and 3rd choice for electives. Form is due 2/21/20.

English - Select 1

- ☐ 9th Grade English CP
- ☐ 9th Grade English Honors
- ☐ 10th Grade English CP
- ☐ 10th Grade English Honors
- ☐ 11th Grade English CP
- ☐ 11th Grade English Honors
- ☐ 11th Grade English AP
- ☐ 12th Grade English CP
- ☐ 12th Grade English Honors
- ☐ 12th Grade English AP

Science - Select 1

- ☐ Integrated Science CP
- ☐ Integrated Science Honors
- ☐ Biology CP
- ☐ Biology Honors
- ☐ Chemistry CP
- ☐ Chemistry Honors
- ☐ Environmental Science
- ☐ Environmental Science Honors
- ☐ Physics CP
- ☐ Physics Honors

World Languages

- ☐ French I CP
- ☐ French II CP
- ☐ French III CP
- ☐ French IV CP
- ☐ Spanish I CP
- ☐ Spanish II CP
- ☐ Spanish III CP
- ☐ Spanish IV CP
- ☐ Learning French Through Art, History, Film & Song
- ☐ World Culture and Conversations

Math - Select 1, except 10th grade Select 2

- ☐ Algebra I A & Algebra 1 B CP
(a full-year, two-part course)
- ☐ Algebra I CP
- ☐ Algebra I Honors
- ☐ Algebra IIA & Algebra IIB CP
(a full-year, two-part course)
- ☐ Algebra II CP
- ☐ Algebra II Honors
- ☐ AP Calculus AB
- ☐ Calculus CP
- ☐ Geometry CP
- ☐ Geometry Honors
- ☐ Essential Math for College and Career
- ☐ Pre-Calculus CP
- ☐ Pre-Calculus Honors
- ☐ Probability and Statistics CP
- ☐ Statistics AP

Social Studies - Select 1

- ☐ World History CP
- ☐ World History Honors
- ☐ US History I CP
- ☐ US History I Honors
- ☐ US History II CP
- ☐ US History II AP

Health & Physical Education - Select 1

- ☐ PE/Health Grade 9
- ☐ PE/Health Grade 10
- ☐ PE/Health Grade 11
- ☐ PE/Health Grade 12

Academic Electives

English

- ☐ Intro to 21st Century Films _____

Social Studies

- ☐ Contemporary US Issues _____
- ☐ Psychology CP _____
- ☐ World Geography _____
- ☐ American Government _____

Physical Education

- ☐ Lifetime Fitness _____
- ☐ Outdoor Adventures _____

Science

- ☐ Anatomy & Physiology CP _____
- ☐ Anatomy & Physiology Honors _____
- ☐ Biology AP (*a full-year, two-part course*)
- ☐ Marine Science _____
- ☐ Natural Disasters _____
- ☐ Physics AP (*offered online only*)

Electives

Arts (Visual & Performing)

- ☐ Explorations in Art _____
- ☐ Sculpture _____
- ☐ Advanced Studio Arts CP _____
- ☐ Creative Art I _____
- ☐ Creative Art II _____
- ☐ Drawing/Painting _____
- ☐ Guitar Workshop I _____
- ☐ Guitar Workshop II _____
- ☐ History of Rock & Roll _____
- ☐ Ukulele Class _____
- ☐ Concert Band (Spring Only) _____

Visual & Performing Arts Academies

(the below are full-year, two-part courses)

- ☐ Art Academy I CP
- ☐ Art Academy IICP
- ☐ AP Studio Art
- ☐ Pre-AP Studio Art
- ☐ Dance Academy I & II CP
- ☐ Dance Academy III & IV CP
- ☐ Advanced Dance Academy
- ☐ Theater Academy I CP
- ☐ Theater Academy II CP
- ☐ Theater Academy III CP
- ☐ Theater Academy Advanced CP

Financial Literacy

- ☐ Accounting _____
- ☐ Accounting II _____
- ☐ Entrepreneurship _____
- ☐ Personal Financial Literacy (online) _____
- ☐ Managing Money and Financial Literacy _____
- ☐ Life Management and Personal Finance _____

Science, Technology, Engineering & Mathematics (STEM) Project Lead the Way (PLTW) Pathway

- ☐ Introduction to Engineering Design _____
- ☐ Civil Engineering 3D _____
- ☐ Principles of Engineering _____
- ☐ Engineering Design & Development _____

After School

- ☐ Jazz Band
- ☐ Chorus

Career Technical/Vocational/Life Skills

- ☐ Computer I CP/ C++ Programming _____
- ☐ Computer II CP/ Java Programming _____
- ☐ AP Computer Science A _____
- ☐ Particular Topics in Comp. Programming-Intro to programming and Computer Science _____
- ☐ Computer Art _____
- ☐ Computer Art 2 _____
- ☐ Web Page Design - Website Composition _____
- ☐ Desktop Publishing I CP (Semester II Only) _____
- ☐ Desktop Publishing II CP _____
- ☐ Desktop Publishing III-Editor CP _____
- ☐ Dynamics of Allied Health & Medical Science _____
- ☐ Early Childhood Development & Careers _____
- ☐ Exercise Science _____
- ☐ Media _____
- ☐ Media Advanced _____
- ☐ Street Law _____
- ☐ Sports Medicine/Athletic Training ICP _____
- ☐ Sports Management _____
- ☐ Salem County Vo-Tech

12th Grade Only Selections

- ☐ Guidance Aide
- ☐ Media Aide (*Teacher Recommendation Only*)
- ☐ Office Aide
- ☐ PE Aide (*Teacher Recommendation Only*)
- ☐ Academy Aide (*Teacher Recommendation Only*)
- ☐ Yearbook Aide (*Teacher Recommendation Only*)
- ☐ Early Sign-Out/Option 2
- ☐ Mentor/Early Sign-Out
- ☐ Late Sign-In/Option 2
- ☐ Mentor/Late Sign-in

** I understand Option 2 and School- to-Work Careers Initiative as explained to me during the course selection process.*

Student Signature _____

Date _____

Parent Signature _____

Date _____

Counselor's Initials/Date _____

Due Friday, February 21, 2020

Arthur P. Schalick High School
8th Grade Course Registration Form

Student Name _____ Current Grade _____

Students should refer to the 2019-20 Program of Studies to assist them in completing this form and to determine their eligibility for each course before selection. All students, except seniors are required to register for a minimum of 8 courses. It is highly recommended that you select 3 additional elective courses in case your first choice is not available. Please indicate your 1st, 2nd, and 3rd choice for electives. Form is due March 9, 2020.

English — Select 1

- ☐ 9th Grade English CP
- ☐ 9th Grade English Honors

Science — Select 1

- ☐ Integrated Science CP
- ☐ Integrated Science Honors

Math - Select 1

- ☐ Algebra IA & IB (*a full-year, two-part course*)
- ☐ Algebra I CP
- ☐ Algebra I Honors
- ☐ Geometry CP
- ☐ Geometry Honors
- ☐ Algebra II CP
- ☐ Algebra II Honors
- ☐ Algebra IIA & IIB (*a full-year, two-part course*)

Social Studies – Select 1

- ☐ World History CP
- ☐ World History Honors

World Languages – Select 1

- ☐ French I CP
- ☐ Spanish I CP

Financial Literacy – Select 1

- ☐ Personal Financial Literacy (*online*)
- ☐ Managing Money & Financial Literacy

Physical Education/Health — Select 1

- ☐ PE/Health Grade 9

Visual & Performing Arts Academics

For academy students only (the below are full-year, two-part courses)

- ☐ Art Academy I CP
- ☐ Dance Academy I and II
- ☐ Theater Arts I CP

Student Signature _____ Date _____

Parent Signature _____ Date _____

Counselor's Initials/Date _____

Electives — Select 3

Arts (Visual & Performing)

- ☐ Explorations in Art _____
- ☐ Creative Art I _____
- ☐ Concert Band (Spring Only) _____
- ☐ Guitar Workshop I _____
- ☐ History of Rock & Roll _____
- ☐ Sculpture _____ (*only if a level 1 art is taken first semester*)
- ☐ Ukulele Class _____

Career Technical/Vocational/Life Skills

- ☐ Computer Art _____
- ☐ Computer I CP/C++ Programming _____
- ☐ Dynamics of Allied Health & Medical Science _____
- ☐ Exercise Science _____
- ☐ Media _____
- ☐ Particular Topics in Comp. Programming-Intro to Programming and Computer Science _____
- ☐ Web Page Design _____

Science, Technology, Engineering & Mathematics (STEM) Project Lead the Way (PLTW) Pathway

- ☐ Introduction to Engineering Design _____

After School

- ☐ Jazz Band
- ☐ Chorus

Academic Electives

- ☐ Into to 21st Century Film _____
- ☐ Lifetime Fitness Education _____
- ☐ Natural Disasters _____
- ☐ World Geography _____
- ☐ Outdoor Adventures _____

Due Friday, March 9, 2020

**Arthur P. Schalick High School
2020-21 Enrichment Form**

Student Name: _____

Grade Level: _____

*Please select and **number** your top three enrichment choices.
(1 being first choice, 3 being last choice)*

- | | |
|---|--|
| <input type="checkbox"/> Adv. Theater Art Enrichment _____ | <input type="checkbox"/> Literature through Film _____ |
| <input type="checkbox"/> Art Advanced _____ | <input type="checkbox"/> Local/International Community Awareness _____ |
| <input type="checkbox"/> Band _____ | <input type="checkbox"/> Math Lab _____ |
| <input type="checkbox"/> Career/College Exploration _____ | <input type="checkbox"/> Math Puzzles _____ |
| <input type="checkbox"/> Chess Team _____ | <input type="checkbox"/> Mindful Meditation _____ |
| <input type="checkbox"/> Chorus _____ | <input type="checkbox"/> SAT Math Prep _____ |
| <input type="checkbox"/> Drop Everything and Read _____ | <input type="checkbox"/> Science Enrichment _____ |
| <input type="checkbox"/> Drop Everything and Write _____ | <input type="checkbox"/> Senior Video _____ |
| <input type="checkbox"/> French Enrichment _____ | <input type="checkbox"/> Social Studies Enrichment _____ |
| <input type="checkbox"/> Harry Potter Readings _____ | <input type="checkbox"/> Spanish Enrichment _____ |
| <input type="checkbox"/> History of Fashion _____ | <input type="checkbox"/> Sports in Modern Society _____ |
| <input type="checkbox"/> History on Film _____ | <input type="checkbox"/> Team Sports _____ |
| <input type="checkbox"/> Independent Reading in History _____ | <input type="checkbox"/> Yearbook Enrichment (<i>MUST be currently or previously enrolled in Desktop Publishing</i>) _____ |
| <input type="checkbox"/> Int. & Adv. Dance Enrichment-Academy _____ | <input type="checkbox"/> Weight Training _____ |
| <input type="checkbox"/> Language Arts Enrichment _____ | |