



# **Southern Regional High School**

**Program of Studies  
2023 - 2024**

**[www.srsd.net](http://www.srsd.net)**

# SOUTHERN REGIONAL SCHOOL DISTRICT

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# SOUTHERN REGIONAL SCHOOL DISTRICT OF OCEAN COUNTY

Dear Student,

The Program of Studies is a valuable resource for you. It contains information on graduation requirements, post-secondary planning, and course descriptions for each course offered at Southern Regional High School. The graduation requirements as issued by the New Jersey State Department of Education are listed on page 1. All State mandated requirements must be met in order to be eligible to graduate from Southern Regional High School.

The decisions you and your parents make regarding course selections are important. Southern Regional provides a diverse academic program, so we encourage you to carefully review the courses available and be thoughtful about each course selection. Your guidance counselor is available to assist you with academic planning. If you have questions about prospective courses, please reach out to your teachers, counselor, and/or administrators. We all want to be part of the process of planning the best course schedule for your upcoming academic year.

Sincerely,

Joseph Medica, Principal

## **Mission Statement**

The Southern Regional experience, a community partnership, will assure our students challenging learning opportunities that are shaped by the New Jersey Student Learning Standards in order to become contributing members of society.

## **Belief Statements**

### **We believe that:**

- All students possess unique talents and will be challenged and successful.
- All students will feel comfortable in a safe, nurturing environment that is established through mutual respect, acceptance, and a sense that everything is valued by all involved.
- Every student should have physical and emotional security in an environment that stimulates learning and recognizes each individual's self-worth.
- Motivation is an essential element of learning.
- Everyone wants to be, and can be, productive.
- A good education provides a foundation for a productive, well-rounded contributing member of our community and is the shared responsibility of parents, school, and the community.
- The role of the community is to be informed and to provide facilities, materials, and personnel in a spirit of cooperation.
- The school should provide comprehensive curricula, which offer students diversity of choice in an environment that stimulates learning and growth.
- The district has the responsibility to be a good steward of the financial resources provided by the community.

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## COURSE REQUIREMENTS FOR GRADUATION

	<b>Graduation Requirements</b>	<b>Notes</b>
<b>English</b>	4 years (20 credits)	
<b>Mathematics</b>	3 years (15 credits including Algebra, Geometry and a third year of math that builds on the concepts and skills of Algebra and Geometry)	4 years of mathematics is preferred for many colleges and may be required
<b>Science</b>	3 years (15 credits) of lab science including Biology and Chemistry, Environmental Science or Physics.	4 years of science is preferred for many colleges (Physics may be required for some college programs)
<b>Social Studies</b>	3 years (15 credits) including World History, US History I and US History II	
<b>World Language</b>	1 year (5 credits) in world languages	Most colleges require a minimum of 2 years of a single world language (3 or more years of study is recommended for admission to competitive colleges)
<b>Physical Education &amp; Health</b>	4 years (20 credits)	
<b>Practical Arts</b>	1 year (5 credits) in 21 <sup>st</sup> century life & careers, or career & technical education	See page 6 for a list of courses that meet this requirement
<b>Visual &amp; Performing Art</b>	1 year (5 credits) in visual and performing arts	See page 6 for a list of courses that meet this requirement
<b>Financial Literacy</b>	1/2 year (2.5 credits) in financial, economic, business, and entrepreneurial literacy	<p>Students may complete the online Money Skills course OR they may complete one of the following courses:</p> <ul style="list-style-type: none"> <li>• Small Business Management</li> <li>• Topics in Business</li> <li>• Life 101</li> <li>• Practical Math &amp; Personal Finance</li> <li>• Economics</li> <li>• AP Microeconomics</li> </ul>

## STANDARDIZED ASSESSMENT REQUIREMENTS

Students in 9<sup>th</sup> grade will be required to take the New Jersey Student Learning Assessment (NJSLA) English Language Arts (ELA) 9 assessment and the NJSLA Mathematics assessment corresponding to their current mathematics course. Students in grades 10-12 who are enrolled in Algebra I for the first time must take the NJSLA Algebra I assessment.

All students will take the NJSLA Science assessment in the spring of their junior year.

## GRADUATION REQUIREMENTS

### First Pathway

Students must take and demonstrate proficiency in grade 11 on the New Jersey Graduation Proficiency Assessment (NJGPA), which includes content aligned to the grade 10 New Jersey Student Learning Standards (NJSLS) in ELA, and the NJSLS in Algebra I and Geometry. If after completing the New Jersey Graduation Proficiency Assessment a student does not demonstrate proficiency on the ELA or mathematics section, the student may retake the New Jersey Graduation Proficiency Assessment the following summer or fall.

### Second Pathway

Students who completed the New Jersey Graduation Proficiency Assessment in grade 11 and did not demonstrate proficiency are able to demonstrate proficiency in ELA and/or mathematics by meeting the designated cut score on one of the assessments on the following competency tests.

English Language Arts (ELA)	Mathematics
One of the following: <ul style="list-style-type: none"><li>• NJSLA ELA Grade 9</li><li>• SAT Evidence-Based Reading and Writing</li><li>• SAT Reading Test</li><li>• ACT Reading</li><li>• ACCUPLACER WritePlacer</li><li>• ACCUPLACER WritePlacer ESL</li><li>• PSAT10 Reading or PSAT/NMSQT Reading</li><li>• ASVAB-AFQT Composite</li></ul>	One of the following: <ul style="list-style-type: none"><li>• NJSLA Algebra I</li><li>• NJSLA Geometry</li><li>• NJSLA Algebra II</li><li>• SAT Math Test</li><li>• SAT Math Section</li><li>• ACT Math</li><li>• Next-Generation ACCUPLACER QAS</li><li>• Accuplacer Elementary Algebra</li><li>• PSAT 10 Math or PSAT/NMSQT Math</li><li>• ASVAB-AFQT Composite</li></ul>

### Third Pathway

Students who completed the New Jersey Graduation Proficiency Assessment in grade 11 and did not demonstrate proficiency are able to demonstrate proficiency in ELA and/or mathematics through a portfolio appeal in grade 12.

## COURSE PLANNING WORKSHEET

Use the following chart to plan your academic program for 4 years. Students must schedule a minimum of 35 credits per year.

<b>Graduation Requirements</b>	<b>9th grade</b>	<b>10th grade</b>	<b>11th grade</b>	<b>12th grade</b>
<b>English</b> (20 credits)	_____ (Required)	_____ (Required)	_____ (Required)	_____ (Required)
<b>Mathematics</b> (15 credits)	_____ (Required)	_____ (Required)	_____ (Required)	
<b>Science</b> (15 credits)	_____ (Required)	_____ (Required)	_____ (Required)	
<b>Social Studies</b> (15 credits)	_____ (Required)	_____ (Required)	_____ (Required)	
<b>World Language</b> (5 credits)	_____ (Required)			
<b>Physical Education &amp; Health</b> (20 credits)	PE 9 Health 9	PE 10 Driver Education	PE 11 Health 11	PE 12 Health 12
<b>Practical Art</b> (5 credits)				
<b>Performing Arts</b> (5 credits)				
<b>Financial Literacy</b> (2.5 credits)				
<b>Electives</b>				
<b>Total Credits</b> (35 credits)	____ credits	____ credits	____ credits	____ credits
<b>Cumulative Credits</b> (120 credits)	____ credits	____ credits	____ credits	____ credits



## CURRICULUM PATTERN GUIDELINES

Southern Regional High School offers a curriculum that allows students to tailor their program to their specific needs and future goals. The following patterns serve as **suggested** guidelines for course selection. Final decisions rest with students and parents. We recommend that students take as rigorous an academic program as they can handle which includes those courses that will prepare them for post-secondary plans.

<b>Honors</b>			
<b>Freshman</b>	<b>Sophomore</b>	<b>Junior</b>	<b>Senior</b>
Honors English I	Honors English II	Honors Eng. III/AP Lang	AP English IV Lit
Honors Geometry	Honors Algebra II	Honors Trig & Pre-Calc	Honors Calculus/AP Calculus
Honors Biology	Honors Chemistry	AP Science	AP Science
Honors World History	Honors US History	AP US History II	AP Social Studies
World Language	World Language	World Language	Honors/AP World Language
PE/Health 9	PE/Health 10	PE/Health 11	PE/Health 12
Elective/Financial Lit	Elective	Elective	Elective
<b>Advanced</b>			
<b>Freshman</b>	<b>Sophomore</b>	<b>Junior</b>	<b>Senior</b>
Advanced English I	Advanced English II	Advanced English III	Advanced English IV
Advanced Algebra I	Advanced Geometry	Advanced Algebra II	Trig & Pre-Calc
Advanced Biology	Advanced Chemistry	Advanced Physics	Elective Science/AP Science
Advanced World History	Advanced US History I	Advanced US History II	Elective
World Language	World Language	World Language	Elective
PE/Health 9	PE/Health 10	PE/Health 11	PE/Health 12
Elective/Financial Lit	Elective	Elective	Elective
<b>College Prep</b>			
<b>Freshman</b>	<b>Sophomore</b>	<b>Junior</b>	<b>Senior</b>
English I	English II	English III	English IV
Algebra I	Geometry	Algebra II	Trig & Pre-Calc/Alg. III
Geophysical Science	Biology	Chemistry	Physics/Elective Science
World History	US History I	US History II	Elective
World Language	World Language	World Language	Elective
PE/Health 9	PE/Health 10	PE/Health 11	PE/Health 12
Elective/Financial Lit	Elective	Elective	Elective

## COURSE SELECTION PROCEDURES

1. Review the graduation requirements (page 1) and the curriculum pattern guidelines (page 4) to complete the course planning worksheet (page 3).
2. Discuss your course selections with your parents/guardians and teachers. Check the **prerequisites** for each course you have selected.
3. Be certain that your course credits total at least 35. Seniors participating in Early College at Ocean County College may schedule 30 credits.
4. If you have failed a course(s) required for graduation in a previous year and have not yet repeated the course(s), you need to either attend summer school and/or schedule the course(s) for the upcoming school year.
5. **Please select alternate courses for each elective to avoid scheduling conflicts.** If you do not select alternates, you will be placed in an elective that fits your schedule.
6. Complete your course selections in Genesis by the due date. Your course selections will be discussed during a conference with your guidance counselor. Adjustments can be made at that time.
7. Parents and students are encouraged to contact teachers and/or counselors for more information about the courses offered.

## SCHEDULE CHANGES

Once the school year begins, schedule changes are difficult. Make thoughtful decisions on your course selections and your alternate course selections. If you are scheduled into a course, it may not be possible to change your schedule. Contact your guidance counselor prior to the start of the school year to request any course changes.

## GRADE PROMOTION

Promotion from one grade to the next depends upon the accumulation of credits. Please see the following credit guidelines:

Grade Level	Credits Needed
Sophomore	25
Junior	55
Senior	85
Graduate	120

Failure to earn the required credits listed above will result in retention. Grade level homeroom and lunch for the upcoming school year will be based on student credit status.

## GRADUATION CEREMONY

1. No student may participate in the graduation ceremony or receive a diploma unless all graduation requirements have been met.
2. Participation in the graduation exercise is a privilege extended to those students who have successfully completed the graduation requirements and whose school citizenship is not in question.

## **VISUAL/PERFORMING ARTS**

The following courses will fulfill the 5-credit visual/performing arts graduation requirement.

AP Studio Art	Photographics (both levels)
Architectural Drawing	Pottery (all levels)
Art Fundamentals	Sculpture (both levels)
Beginning Guitar	Select Symphonic Band
Choir (all levels)	String Orchestra (all levels)
Clothing Construction & Fashion Studio (all levels)	Theatre Arts (both levels)
Computer Assisted Design (both levels)	Theatre Dance (both levels)
Hand-Built Pottery	TV Production (all levels)
Microsoft Office	Vocational School
Music Theory (both levels)	Wind Ensemble (both levels)
Painting and Drawing (all levels)	

## **21<sup>st</sup> CENTURY LIFE & CAREER/CAREER & TECHNICAL EDUCATION (PRACTICAL ARTS)**

The following courses will fulfill the 5-credit practical arts graduation requirement.

Anatomy & Physiology	Intro to Computer Programming
AP Comparative Government	JROTC
AP Computer Science A	Life 101
AP Microeconomics	Marine Technical Service
AP Psychology	Metalwork (both levels)
AP U.S. Government & Politics	Music Theory (both levels)
Architectural Drawing	Microsoft Office
Auto Mechanics (all levels)	Nutrition
Child Development (all levels)	Photographics (both levels)
Clothing Construction & Fashion Studio (all levels)	Power Mechanics
Computer Assisted Design (both levels)	Small Business Management
Creative Baking	Sports Medicine
Communication Concepts: Speech & Writing	Tomorrow's Teachers
Critical Issues in Sociology	Topics in Business
Digital Technologies	TV Production (all levels)
Economics	United States Law and Society
Engineering	Vocational School
Fundamental Foods	Woodworking (all levels)
Global Foods	Yearbook
How to Fix Darn Near Anything	

## **INDEPENDENT STUDY**

In order to be eligible for an independent study course, students must have exhausted the course offerings in the chosen area of study. Interested students should discuss their plan with their guidance counselor. Prior to scheduling an independent study course, students must submit a detailed course plan and obtain approval from the teacher, parent, guidance counselor, department supervisor, guidance supervisor and principal.

## **NOTES**

- Career exploration/development and technology education, as required by the State, are infused into existing programs.
- Local history and culture are emphasized throughout the curriculum.
- Course registration is restricted only by prerequisites, teacher recommendations and grade levels. All courses are open to all students regardless of gender, race, national origin, age, or religion.

## GRADING PROCEDURES

Report cards will be posted on the grading portal quarterly and will indicate grades and teacher comments. Progress reports will be posted on the grading portal midway through each quarter. Quarterly and final assessments are given for all full-year courses.

Quarterly report cards and final transcripts reflect numeric grades. The following grade equivalents apply:

A	92 - 100	IN	Incomplete
B	83 - 91	WP*	Withdrawal Passing
C	74 - 82	WF*	Withdrawal Failing
D	70 - 73	P	Passed
F	69 and below (no credit)		

\*Grades reported as a WP/WF will be permanently recorded on the student transcript.

Students who achieve the following will be recognized for Honor Roll and High Honor Roll:

Honor Roll	83 or better in every class
High Honor Roll	92 or better in every class

## WEIGHTED COURSES

All Honors and Advanced Placement courses carry additional weighting points that are utilized in calculating student grade point averages and class rank. This weighting recognizes the increased demand of the following courses:

AP Biology	AP Psychology	Honors English III
AP Calculus I	AP Spanish Language	Honors French IV
AP Calculus II	AP Statistics	Honors Geometry
AP Chemistry	AP Studio Art	Honors German IV
AP Comparative Government	AP U.S. Government & Politics	Honors Japanese IV
AP Computer Science A	AP United States History II	Honors Latin IV
AP English III Lang. & Comp.	Honors Algebra II	Honors Select Choir
AP English IV Lit. & Comp.	Honors Aviation Ground School	Honors Spanish IV
AP European History	Honors Biology	Honors Select String Orchestra
AP Microeconomics	Honors Calculus	Honors Trig/Pre-Calculus
AP Music Theory	Honors Chemistry	Honors United States History I
AP Physics 1	Honors English I	Honors Wind Ensemble
AP Physics 2	Honors English II	Honors World History

## GPA/RANK

Grade point averages (GPA) are calculated on a 100-point scale. Class rank will be calculated using the following weighted factor index.

<b>Honors Courses</b>	Passing Grades (70 and above)	Multiply numeric grade by 1.10*
<b>AP Courses</b>	Passing Grades (70 and above)	Multiply numeric grade by 1.15*
<i>*No weight will be given for failing grades (69 and below) in AP or Honors Courses.</i>		

## ADVANCED PLACEMENT

Many colleges award credit or advanced standing for outstanding achievement on Advanced Placement (AP) exams. Each college and degree program maintains their own standards for awarding AP credits. Go to <https://apstudent.collegeboard.org/creditandplacement/search-credit-policies> to find colleges and universities that offer credit or placement for AP scores.

Students enrolled in an AP course are expected to take the corresponding AP exam that is administered in the spring. These exams are developed and scored by the College Board. Exams are scored on a 5-point scale: 5 (extremely well qualified), 4 (well qualified), 3 (qualified), 2 (possibly qualified) and 1 (no recommendation). AP scores are released in early July.

Southern Regional offers the following AP courses:

AP Biology	AP English III Language & Composition	AP Psychology
AP Calculus I	AP English IV Literature & Composition	AP Spanish Language
AP Calculus II	AP European History	AP Statistics
AP Chemistry	AP Microeconomics	AP Studio Art
AP Comparative Government	AP Music Theory	AP U.S. Government & Politics
AP Computer Science A	AP Physics 1	AP United States History II
	AP Physics 2	

In order to properly prepare students for success on the AP exam, students will be held to higher expectations for both class work and homework. Advanced Placement courses will be noted on the student transcript.

## CO-CURRICULAR ELIGIBILITY

Students interested in participating in co-curricular activities (after school sports, clubs, and activities) MUST meet the following Southern Regional eligibility requirements:

Season	Grade 9	Grade 10	Grade 11	Grade 12
<b>Fall</b>	All Eligible	30 credits must have been earned from previous year	30 credits must have been earned from previous year	30 credits must have been earned from previous year
<b>Winter</b>	All Eligible	30 credits must have been earned from previous year	30 credits must have been earned from previous year	30 credits must have been earned from previous year
<b>Spring</b>	Must be passing equivalent of 30 credits (15 from 1 <sup>st</sup> semester)	Must be passing equivalent of 30 credits (15 from 1 <sup>st</sup> semester)	Must be passing equivalent of 30 credits (15 from 1 <sup>st</sup> semester)	Must be passing equivalent of 30 credits (15 from 1 <sup>st</sup> semester)

## STOCKTON UNIVERSITY DUAL CREDIT PROGRAM

The dual credit program allows students **the option** to sign up in advance to receive both high school and college credits for the same course.

### Courses

Southern Regional and Stockton University will offer the following courses with an option for dual credit. The following course list is subject to change.

Trigonometry & Pre-Calculus	French III	Honors Spanish IV
Honors Trigonometry & Pre-Calculus	Honors French IV	Theatre Arts
Honors Calculus	German III	Advanced Theatre Arts
AP Calculus	Honors German IV	Tomorrow's Teachers
AP Calculus II	Latin III	Anatomy & Physiology
AP United States History II	Honors Latin IV	News Broadcasting
	Spanish III	

### Cost

Each academic credit costs \$100. All tuition must be paid in the fall of the academic year directly to Stockton University.

### Credits

Upon successful completion of the course, credits will be recorded on an official Stockton transcript. Transcripts must be obtained directly from Stockton University.

### Registration

Students will need to complete and submit an online application to participate in the Dual Credit High School Program at Stockton.

## OCEAN COUNTY COLLEGE EMBEDDED COURSE PROGRAM

The dual credit program allows students **the option** to sign up in advance to receive both high school and college credits for the same course.

### Courses

Southern Regional and Ocean County College (OCC) will offer the following courses with an option for dual credit. The following course list is subject to change.

Algebra III	Communication Concepts
Marine Biology	Small Business Management

### Cost

Each academic credit costs \$105.00. All tuition must be paid directly to OCC.

### Credits

Upon successful completion of the course, credits will be recorded on an official OCC transcript. Transcripts must be obtained directly from OCC.

### Registration

Students will need to apply to participate in the Ocean County College Embedded Course Program.

## **EARLY COLLEGE AT OCEAN COUNTY COLLEGE PROGRAM**

The Early College program at Ocean County College (OCC) provides an opportunity for Southern Regional students to enroll in college courses at multiple OCC campus locations and earn college credit while attending Southern Regional High School. Interested students should discuss Early College with their guidance counselor.

### **Eligibility**

Students must have completed their sophomore year in high school, obtain approval from their guidance counselor and be in good academic standing in a college prep program. To be eligible to take a math or English class, OCC requires students to demonstrate proficiency through standardized testing.

### **Costs**

Costs for Early College at OCC students are one-half the normal cost per credit plus additional OCC student fees (students are responsible for payment).

### **Credits**

Upon successful completion of a course, credits will be recorded on an official OCC transcript. Transcripts must be obtained directly from OCC.

### **Courses**

Go to the OCC website for Early College at OCC information, a course catalog, and course listings for upcoming semesters [www.ocean.edu](http://www.ocean.edu). Courses are offered in the evening, inter-session and summer.

### **Registration**

Complete the Early College at OCC application (available online and in the guidance office).

## **COLLEGE ADMISSIONS TESTING**

Students should meet with their counselor to develop a testing plan. The following tests are offered at Southern Regional to assist our students in preparing for the college admission process.

### **PSAT**

Students considering college should take the Preliminary Scholastic Achievement Test (PSAT). The PSAT is offered in October to both 10<sup>th</sup> and 11<sup>th</sup> grade students. Students planning to take the SAT are strongly recommended to take the PSAT. Students should be enrolled in, or have completed, geometry prior to taking the PSAT. Students must take the PSAT in their junior year to qualify for the National Merit Scholarship Program.

### **SAT**

The SAT is an entrance exam used by most colleges and universities to make admissions decisions. There are two SAT sections: Math, Evidence-Based Reading and Writing. Each section of the SAT is scored on a 200-to-800-point scale, making the maximum score 1600. The SAT exam is offered nationally every year in October, November, December, March, May, June, and August. The SAT is not administered at Southern in November and August. Further information on the SAT is available at [www.collegeboard.org](http://www.collegeboard.org).

### **ACT**

The ACT is a national college admissions examination that consists of subject area tests in English, mathematics, reading and science. Each subject area is given a scaled score between 1 and 36. Those area scores are then averaged into a composite score, which also ranges between 1 and 36. This test is an alternative to the SAT and is accepted by colleges and universities. ACT has eliminated many test sites, including Southern Regional. The exam will be available at one school in Ocean County in December, February, April, June, and July. Further information on the ACT is available at [www.act.org](http://www.act.org).

### **NJ STARS**

NJ STARS is a scholarship program sponsored by the State of New Jersey. Students who are in the top 15% of their class are eligible for NJ STARS. Eligible students can receive up to five (5) semesters of tuition (15 credits per term) free of charge at Ocean County College. Students must file a FAFSA annually to be considered for this program. Students also must maintain a grade point average of 3.0 or higher by the start of the second year of enrollment to maintain renewal requirements for NJ STARS. Upon graduation from community college, NJ STARS students may be eligible for NJ STARS II at a four-year New Jersey college or university. Please note that current requirements for NJ STARS eligibility are under review by the State. It is possible that program eligibility requirements may change. For more information, see your guidance counselor or go to [www.hesaa.org](http://www.hesaa.org).



# TIMELINE FOR COLLEGE BOUND STUDENTS

The following timeline will guide you through the college preparation/selection process. Select the most academically rigorous program that meets your needs and do the best you can in each of your courses.

## **Ninth Grade**

1. Get involved in activities, clubs, and community service. Keep a list of your activities (include a description, dates, and hours).
2. Discuss your career/college intentions and interests with your parents and counselor.
3. Map out a plan for four years of course work in high school.

## **Tenth Grade**

1. Develop a plan to take college admissions tests (PSAT, SAT, ACT).
2. Continue to discuss your career and college interests with your parents and counselor.
3. Review college entrance requirements.
4. Attend the 'College Night at the Jersey Shore' event in the fall and/or spring. Detailed information about this event can be obtained in the guidance office.
5. Gather information about a variety of colleges.
6. Visit college campuses.
7. Start your resume and list of "Colleges I'm Thinking About" in Naviance.

## **Eleventh Grade: Fall/Winter**

1. Take the PSAT.
2. Attend meetings with college admissions representatives offered through the guidance office. Sign up via your Naviance account.
3. Attend the 'College Night at the Jersey Shore' event in the fall and/or spring. Detailed information about this event can be obtained in the guidance office.
4. Attend the SRHS College Planning Workshop with your parents in November.
5. Use SuperMatch in Naviance to refine your college list.
6. Check the guidelines for college admission testing for each college.
7. Visit college campuses.
8. Consider registering for the December or March SAT.

## **Eleventh Grade: Spring**

1. Schedule a meeting with your counselor to discuss college and career options.
2. Refine your list of colleges in Naviance.
3. Develop your plan to take the standardized tests for college admission, if applicable.
4. Visit college website(s) to review application requirements.

## **Eleventh Grade: Summer**

1. Begin writing your college application essay.
2. Create a list of "Colleges I'm Applying To" in Naviance.
3. Visit college campuses.

**Twelfth Grade: Fall**

1. Submit your academic records release form in the parent portal.
2. Finalize your list of colleges in Naviance.
3. Update your resume in Naviance.
4. Request letters of recommendation in person and then in Naviance.
5. Create a list of your application deadlines.
6. Contact your counselor to request their recommendation at least 3 to 4 weeks prior to your first application due date.
7. Once you submit your application, notify your counselor so they can submit your letters of recommendations, transcript, and a school profile.
8. Attend the SRHS Financial Aid Seminar with your parents in October to assist you in completing the financial aid forms.
9. File a financial aid application online at [www.fafsa.gov](http://www.fafsa.gov).
10. Send your test scores to your colleges through your College Board and/or myACT account, as needed.
11. Attend meetings with college admissions representatives offered through the guidance office.
12. Check the list of general scholarships on our website and utilize one of the many free scholarship search engines.

**Twelfth Grade: Winter**

1. Submit the Southern Regional local scholarship application online by January 31<sup>st</sup>.
2. Regularly review the local scholarship list on the school website. Scholarships are added throughout the school year. Please note that some scholarship donor groups have additional application requirements such as transcripts or essays.

**Twelfth Grade: Spring**

1. As you receive admissions decisions, notify your counselor.
2. Notify the college that you plan to attend. Send your acceptance deposit by the deadline specified.
3. Notify your counselor which college you have selected so that the guidance office can submit your final transcript.
4. Complete the Senior Survey in Naviance.

# COLLEGE ATHLETIC ELIGIBILITY

**Alert your guidance counselor if you are considering participation in college athletics.**

## NCAA Eligibility

High school student athletes who wish to participate in Division I or II college athletics must meet the NCAA initial-eligibility requirements. Complete details regarding these requirements are available online at the NCAA Eligibility Center [www.eligibilitycenter.org](http://www.eligibilitycenter.org).

## Core Courses

The NCAA maintains a list of courses offered at Southern that are approved for prospective student-athletes seeking NCAA initial-eligibility. Please refer to the following list of approved core courses. If you have any questions, please see your guidance counselor.

ENGLISH	SOCIAL STUDIES	MATH	SCIENCE	WORLD LANGUAGE
English 1/RR	World History/RR	Algebra 1/RR	Geophys Science/RR	French 1
English 1	World History	Algebra 1	Geophys Science	French 2
English 1/ADV	World History/ADV	Algebra 1/ADV	Geophys Science/ADV	French 3
English 1/H	World History/H	Geometry/RR	Biology	French 4/H
English 2 RR	US History 1/RR	Geometry	Biology/ADV	German 1
English 2	US History 1	Geometry/ADV	Biology/H	German 2
English 2/ADV	US History 1/ADV	Geometry/H	Biology/RR	German 3
English 2/H	US History 1/H	Algebra 2/RR	Chemistry	German 4/H
English 3/RR	US History 2/RR	Algebra 2	Chemistry/ADV	Japanese 1
English 3	US History 2	Algebra 2/ADV	Chemistry/H	Japanese 2
English 3/ADV	US History 2/ADV	Algebra 2/H	Physics	Japanese 3
English 3/H	US History 2/AP	Algebra 3	Physics/ADV	Japanese 4/H
English 3/AP	AP US Gov & Pol	Trig/Pre-Calc	Physics/H	Latin 1
English 4/RR	AP Comp Gov & Pol	Trig/Pre-Calc/H	AP Biology	Latin 2
English 4	AP European His	Calculus 1/H	AP Chemistry	Latin 3
English 4/ADV	AP Psychology	AP Calculus	AP Physics	Latin 4/H
English 4/AP	Critical Issues	AP Calculus 2	AP Physics 2	Spanish 1
	US Law & Society	AP Statistics	Anatomy	Spanish 2
	Economics		Marine Biology	Spanish 3
			Env Science	Spanish 4/H
			Env Science/RR	AP Spanish Lit
				AP Spanish Lang

## Academic Requirements

To play sports at a Division I or II school, you must graduate from high school, complete 16 NCAA-approved core courses, earn a minimum GPA and earn an ACT or SAT score that matches your core-course GPA.

### DIVISION I

Complete 10 NCAA core courses, including seven in English, math or natural/physical science, before your seventh semester.

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

### DIVISION II

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

### Grade-Point Average

The NCAA Eligibility Center calculates your grade point average (GPA) based on the grades you earn in NCAA-approved core courses.

- Division I requires a minimum 2.3 GPA.
- Division II requires a minimum 2.2 GPA.

### Test Scores

Take the ACT or SAT as many times as you want before you enroll full time in college but remember to list the NCAA Eligibility Center (code 9999) as a score recipient whenever you register to take a test. If you take a test more than once, send your scores and the NCAA will use the best scores from each test section to create your sum score.

### Sliding Scale

Divisions I and II use sliding scales to match test scores and GPAs to determine eligibility. The sliding scale balances your test score with your GPA. If you have a low test score, you need a higher GPA to be eligible. Find more information about sliding scales at [www.ncaa.org/student-athletes/future/test-scores](http://www.ncaa.org/student-athletes/future/test-scores).

# OCEAN COUNTY VOCATIONAL TECHNICAL SCHOOL

## Shared Time Programs

Juniors and seniors may attend Ocean County Vocational Technical School (OCVTS) part time. Seats are limited so students are encouraged to apply during the year prior to enrollment. Most programs require two years of attendance. OCVTS programs are designed to provide the education and training necessary for students to pursue employment and/or enroll in a college or technical school upon graduating high school.

## Special Education Programs

OCVTS offers a variety of part time Employment Orientation (EO) vocational programs for students with special needs. If you would like to know more about the Special Education vocational school programs, contact your Child Study Team case manager or guidance counselor.

## Full Time Vocational Programs

OCVTS offers the following full-time programs. Students take all coursework at the OCVTS campus and receive their high school diploma from OCVTS. See the OCVTS course guide for details.

- Marine Academy of Technology and Environmental Science (MATES)
- Performing Arts Academy (PAA)
- Academy of Law and Public Safety (ALPS)

Students who chose to transfer to a full time OCVTS school will be permitted to participate in Southern Athletics; however, they will not be eligible for enrollment in or attendance at special Southern Regional events such as the Winter Formal, Proms, Senior Class Trip, Senior Service Day, and the SRHS Scholarship Program.

## Admission Procedures

Applications and course description booklets may be obtained from the Southern Regional guidance office. The decision of acceptance is made solely by OCVTS and is based on space availability, grades and attendance. **If you plan to attend OCVTS, indicate Course # 9600 on your Course Selection Sheet.**

## Prerequisites

- Guidance counselor recommendation.
- Grades and attendance will be reviewed prior to acceptance. *Once enrolled at OCVTS, attendance is strictly monitored and directly affects a student's grade. Poor attendance can affect enrollment status.*

## Schedule

OCVTS students attend OCVTS for half of the school day and then take classes at Southern for the other half of the day. Students considering vocational school need to plan course selections carefully to be sure they will meet the eligibility requirements necessary to attend. Vocational students must meet all the same graduation requirements that non-vocational students must meet including specific courses and credit totals.

## Benefits

Successful completion of a program at the OCVTS will enable a student to:

- Earn a certificate of achievement from OCVTS, in addition to various State/National certifications.
- Obtain assistance with job placement in related fields of employment.
- Receive scholarship assistance for post-secondary vocational programs.
- Earn college credits (Tech Prep programs).

**See chart on next page for a listing of OCVTS Courses or go directly to the OCVTS website at [www.ocvts.org](http://www.ocvts.org).**

## OCEAN COUNTY VOCATIONAL TECHNICAL SCHOOL COURSE OFFERINGS

<b>Applied Arts</b>		
Design and Visual Communications (Tech Prep)	2 years	Brick
Audio Engineering (Tech Prep)	2 years	PAA
Fashion Design/Merchandising (Tech Prep)	2 years	Brick
<b>Engineering/Computers &amp; Design</b>		
Computer Service Repair	1 year	Toms River
Computer Science (Tech Prep)	2 years	Toms River
Engineering Technology	2 years	Jackson
<b>Construction Trades</b>		
Building Construction Technology	2 years	Brick
Custom Woodworking and Design	2 years	Jackson
Electrical Trades	2 years	Jackson/Toms River
Heating, Ventilation, Air Conditioning and Refrigeration (HVAC-R) (Tech Prep)	2 years	Brick
Heavy Equipment Operator Program (HEOP)	2 years	Jackson
Plumbing, Pipefitters, Steamfitters & Fire Suppression Systems	2 years	Brick/Jackson
Welding	2 years	Toms River/Jackson
<b>Health Technologies</b>		
Dental Assisting	2 years	Toms River
Health and Fitness Technology (Tech Prep)	2 years	Toms River
Medical Assistant	2 years	Toms River
Medical Skills & Related Health Careers	2 years	Toms River/Jackson
<b>Service Occupations</b>		
Child Care Professions (Tech Prep)	2 years	Brick
Cosmetology	2 years	Brick/Jackson/Toms River
Culinary Arts (Tech Prep)	2 years	Brick
<b>Transportation Technologies</b>		
Automotive Technology (Tech Prep)	2 years	Brick/Jackson/Waretown
Collision Repair	2 years	Jackson
Diesel Engine Technology (Tech Prep)	2 years	Jackson
Marine Service Technology	2 years	Toms River

**Tech Prep** indicates programs that have an established agreement with a post-secondary institution for students to earn college credit or advanced standing. See the OCVTS course guide for details.

# APPLIED TECHNOLOGY

Mr. Gerald Tabbacchino, Lead Teacher

All students will need to successfully complete five credits in practical arts in order to fulfill the State mandated graduation requirement. All of the following applied technology courses meet this requirement. Students will find these courses useful and fulfilling as they prepare for the high-tech age of the 21<sup>st</sup> century.

- |             |   |                  |                     |                  |
|-------------|---|------------------|---------------------|------------------|
| <b>8807</b> | <b>PHOTOGRAPHICS</b>  | <b>Full Year</b> | <b>Grades 9-12</b>  | <b>5 Credits</b> |
|             | <b>Prerequisite:</b> Any student in grades 9-12 with an interest in photography or graphics<br>Come experience how to take better digital/analog pictures, process film, make enlargements in the darkroom & use the latest digital enhancement programs. We use Adobe products such as Photoshop & Illustrator. We participate in the Ocean County Camera Club Contest to allow students to show off their talents.  |                  |                     |                  |
| <b>8808</b> | <b>ADVANCED PHOTOGRAPHICS</b>   | <b>Full Year</b> | <b>Grades 10-12</b> | <b>5 Credits</b> |
|             | <b>Prerequisites:</b> Photographics and teacher recommendation<br>This is an in-depth study of photography and graphics in both the analog & digital worlds. Adobe products including Photoshop, Illustrator, and Lightroom will be used. Many independent assignments, projects and photo contests will be done to allow students to expand their creativity.  |                  |                     |                  |
| <b>8507</b> | <b>POWER MECHANICS</b>  | <b>Full Year</b> | <b>Grades 9-12</b>  | <b>5 Credits</b> |
|             | In today's economy everything is going up in price and society is becoming more dependent on paying someone else to perform any type of skilled service. Here is an opportunity to gain the basic knowledge of maintaining and repairing mechanical items on your own without having to repeatedly replace them or pay someone to fix them. In Power Mechanics students will gain a basic knowledge of automotive maintenance and emergency car procedures as well as some good tips for used car buying. They will learn how to use basic hand tools safely and appropriately, winterize seasonal equipment and clean fuel systems. The heart of the course will revolve around two and four-stroke engine principles and troubleshooting and will culminate in the complete rebuild of a four-stroke engine. During the rebuild all of the engine's systems will be thoroughly discussed and students will have the opportunity to test their engine's performance. |                  |                     |                  |
| <b>8510</b> | <b>MARINE TECHNICAL SERVICE</b>   | <b>Full Year</b> | <b>Grades 10-12</b> | <b>5 Credits</b> |
|             | <b>Prerequisite:</b> Power Mechanics<br>A full year course focusing on preparing students to work in the marine industry or simply to strengthen skills required to service and maintain their own watercrafts. Students will learn the basics in boat ownership and seamanship so they may be able to work safely in the marine field. Topics will include identifying different types of watercrafts, as well as the power plants that propel them. Skills taught will resemble those desired by local employers throughout an annual boating cycle in our area. Students will learn how to maintain, diagnose, and repair watercrafts, engines, and trailers. There will also be an emphasis on engine rigging, winterizing and spring fire up services.   |                  |                     |                  |
| <b>8310</b> | <b>WOODWORKING I</b>  | <b>Full Year</b> | <b>Grades 9-12</b>  | <b>5 Credits</b> |
|             | Students will create a basic piece(s) of residential furniture using fundamental design principles, as well as the basic applications of mathematics and geometry during the planning and layout stage. Students will experience the use of a complete range of necessary hand tools as well as many of the power tools used in furniture production technology.  |                  |                     |                  |

<b>8320</b>	<b>WOODWORKING II</b> <b>Prerequisite:</b> Woodworking I	<b>Full Year</b>	<b>Grades 10-12</b>	<b>5 Credits</b>
	This course is an extension to further the students' knowledge as it pertains to the woodworking industry in areas such as efficient production, the environment (alternate materials) and more complex mathematical solutions to design and/or reproduce the highest quality of furniture. Production standards, joinery quality and the development of social skills to work with others are a focus of the course. Students will receive further instruction on the use of modern machinery used in the production of fine furniture.			
<b>8330</b>	<b>WOODWORKING III</b> <b>Prerequisite:</b> Woodworking II	<b>Full Year</b>	<b>Grades 11-12</b>	<b>5 Credits</b>
	This course allows students to explore a wide variety of the problem solving and mathematical issues that pertain to wood as a building, furniture, and general-purpose material. The student will have to acknowledge the environmental impact and social issues that are behind the scenes in the woodworking industry. Students will work from existing designs or develop their own design concepts in order to produce one independent and one group project. Students will also be required to give 20 hours each (from class time) toward the development of a school community task, which will make them more socially aware of how the woodworking industry plays a major role in our everyday lives.			
<b>8331</b>	<b>WOODWORKING IV</b> <b>Prerequisite:</b> Woodworking III	<b>Full Year</b>	<b>Grade 12</b>	<b>5 Credits</b>
	This course allows students to explore a wide variety of the problem solving and mathematical issues that pertain to wood as a building, furniture, and general-purpose material. The student will have to acknowledge the environmental impact and social issues that are behind the scenes in the woodworking industry. Students will work from existing design or develop their own design concepts in order to produce one independent and one group project. Students will also be required to give 20 hours each (from class time) toward the development of a school community task, which will make them more socially aware of how the woodworking industry plays a major role in our everyday lives.			
<b>8540</b>	<b>AUTO MECHANICS I</b>	<b>Full Year</b>	<b>Grades 10-12</b>	<b>5 Credits</b>
	This course is for the student who is considering a career in auto mechanics, enjoys working on vehicles as a hobby or would like to service their own vehicle. In addition to oil changes, tune-ups and brake jobs, students will learn how to repair and replace tires, test batteries and electrical systems, balance wheels and diagnose trouble codes with a scan tool. Most instruction will be on real working vehicles in a real shop setting; however, some lessons will involve mock-ups or videos. The student who wishes to concentrate in the field of auto mechanics should take this course in 10 <sup>th</sup> grade.			
<b>8550</b>	<b>AUTO MECHANICS II</b> <b>Prerequisite:</b> Auto Mechanics I	<b>Full Year</b>	<b>Grades 11-12</b>	<b>5 Credits</b>
	This course takes the skills and knowledge obtained in Auto Mechanics I and builds on that foundation. Working more efficiently is a focal point at this level, more tools and equipment will be introduced which will help in achieving that goal. Students will also continue to work and learn on vehicles, while evaluating problems and researching solutions on their own.			
<b>8560</b>	<b>AUTO MECHANICS III</b> <b>Prerequisite:</b> Auto Mechanics II	<b>Full Year</b>	<b>Grades 11-12</b>	<b>5 Credits</b>
	This is a continuation of Auto Mechanics II. Students will be expected to assume increased responsibility for diagnosing problems and repairs. Theoretical problems will be discussed, and solutions presented, as well as discussion of present-day topics related to automobiles and the industry.			



- 8350 HOW TO FIX DARN NEAR ANYTHING Full Year Grades 11-12 5 Credits**  
 Planning on ever owning a house or a car? How about just being more self-reliant or just keeping a little extra pocket money. This is a hands-on course that will guide students through a variety of home improvement and repair projects. Students will learn to troubleshoot and tackle the most common household repairs including basic plumbing, replacing a window, drywall repair, hanging a new door, general carpentry, and many others. Basic automobile maintenance and repair will also be introduced along with a variety of skills that will assist all future homeowners.
- 8606 METALWORK Full Year Grades 9-12 5 Credits**  
 This course is designed to give a student a well-rounded introduction to various areas of metalworking. Each student will use problem solving, design, layout skills and their ability to use tools to create projects in metal. Areas explored are sheet metal, wrought iron work, machining and welding, giving the student the information and experience to help make intelligent career choices.
- 8607 ADVANCED METALWORK Full Year Grades 10-12 5 Credits**  
**Prerequisite:** Metalwork  
 This course is designed to take the knowledge learned and skills acquired in Metalwork to the next level of expertise. With more complex projects being introduced, students will be taught how to understand shop drawings and blueprints. Advanced techniques on the lathe and milling machines will be learned as well as CNC (Computer Numerical Control) machining being introduced and explored. Basic mathematical skills are needed to read and write programs used by the computer. Advanced welding will be taught using Arc, MIG and TIG welds, with a major emphasis on TIG, the industry's premier weld. The oxyacetylene cutting torch and plasma arc cutting are also used. The course will introduce each student into the intricacies of the manufacturing world.
- 8446 COMPUTER ASSISTED DESIGN Full Year Grades 9-12 5 Credits**  
 Students will be introduced to AutoCAD, the industry standard computer drawing and design program. The course is designed to develop and enhance problem solving and critical thinking abilities while expressing ideas and specifications in precise detail. AutoCAD skills and techniques will be acquired through hands-on experiences and those skills will be further developed through the production of 3-D models, wire frame models and rendered drawings.
- 8447 ADVANCED COMPUTER ASSISTED DESIGN Full Year Grades 10-12 5 Credits**  
**Prerequisite:** Computer Assisted Design  
 Students will have the opportunity to explore the full capabilities of the high-powered drawing program AutoCAD. In a problem-solving format, students will develop advanced drawing and communication skills in areas such as machine drawing, engineering, solid modeling, rendering and 3-D imaging. AutoCAD skills and techniques will be further developed through hands-on experiences as students utilize decision-making and self-management skills vital for both the career minded and college bound student.
- 8470 ARCHITECTURAL DRAWING Full Year Grades 10-12 5 Credits**  
**Prerequisite:** Computer Assisted Design  
 In this course students will research and develop plans for a residential dwelling. Each student will design his/her own building and develop a set of functional plans. Considerations will include materials, cost, site location, heating and cooling, functionality, aesthetic design, and other requirements. AutoCAD, a state-of-the-art drawing, and design program will be used, and each student will leave with a set of drawings of his/her house plans.
- 8809 DIGITAL TECHNOLOGIES Full Year Grades 9-12 5 credits**  
 In this course, students will learn the basics of animation, video editing, graphic & web design. Students will create, model, and manufacture designs using Illustrator, edit and manipulate images in Photoshop, learn the fundamentals of animation necessary to create a variety of their own animations, learn to capture and edit video to create various video projects and learn the fundamentals of building a basic website.

# ART

Mrs. Darlene Parks, Supervisor

All students will need to successfully complete five credits in visual or performing arts in order to fulfill the State mandated graduation requirement. All of the following art courses meet this requirement. Students may choose to explore a variety of media by subscribing to the Art Fundamentals class or may choose any of the specialized courses offered. All courses are focused on having students achieve proficiency in the New Jersey Student Learning Standards for Visual Arts, which include: the Formal Elements of Art and Design Principles, Art History, Creating Art, Aesthetic Responses and Critique Methodologies. Student artwork is often showcased or exhibited throughout the school and community. Benchmark assessments will be administered quarterly.

- |             |  |                  |                     |                  |
|-------------|--|------------------|---------------------|------------------|
| <b>7004</b> | <b>ART FUNDAMENTALS</b>  | <b>Full Year</b> | <b>Grades 9-12</b>  | <b>5 Credits</b> |
|             | The purpose of this foundational course is to allow students to sample the coursework of the various specialized art courses offered at Southern. Students will be introduced to a variety of art making techniques, media, styles, and subjects. The course focuses on both 2-D and 3-D work, which includes: drawing, painting, 2-D design, printmaking, sculpture, pottery/ceramics, and collage.   |                  |                     |                  |
| <b>7110</b> | <b>PAINTING &amp; DRAWING I</b>  | <b>Full Year</b> | <b>Grades 9-12</b>  | <b>5 Credits</b> |
|             | Painting and Drawing I is recommended for those students who are specifically interested in learning basic painting and drawing techniques. Students will explore a variety of traditional, realistic, and imaginative painting and drawing techniques, including portraits, perspective, color theory, and design principles. Students will be expected to measure and use a ruler.   |                  |                     |                  |
| <b>7120</b> | <b>PAINTING &amp; DRAWING II</b>   | <b>Full Year</b> | <b>Grades 10-12</b> | <b>5 Credits</b> |
|             | <b>Prerequisites:</b> Painting & Drawing I or Art Fundamentals and teacher recommendation  |                  |                     |                  |
|             | This course is designed for the serious, motivated art students who wish to strengthen their skills in drawing, painting, color theory, and art criticism. Course work includes various drawing techniques as well as realistic acrylic painting techniques based on direct observation of still-life subjects, photographs, and color theory exercises. Figurative, landscape, and abstract subjects will also be explored. Students will complete oral and written critiques.  |                  |                     |                  |
| <b>7130</b> | <b>PAINTING &amp; DRAWING III</b>  | <b>Full Year</b> | <b>Grades 11-12</b> | <b>5 Credits</b> |
|             | <b>Prerequisites:</b> Painting & Drawing II and teacher recommendation   |                  |                     |                  |
|             | The first year of a two-year AP Studio Art curriculum, this course is designed for students who demonstrate a high degree of motivation and ability and wish to develop a painting and drawing portfolio for college credit and/or college application. Course work includes still life, figurative, value studies in various media, oral and written critiques. The curriculum during the second half of the year addresses the "sustained investigation" component of the AP portfolio. Students will choose a concentration topic and start creating pieces for their AP (or senior) portfolio. Students will also compile their artwork, to start creating a personal digital portfolio. |                  |                     |                  |
| <b>7140</b> | <b>PAINTING &amp; DRAWING IV/AP STUDIO ART</b>   | <b>Full Year</b> | <b>Grade 12</b>     | <b>5 Credits</b> |
|             | <b>Prerequisites:</b> Painting & Drawing III and teacher recommendation  |                  |                     |                  |
|             | This is the second year of a two-year AP Studio Art curriculum. This course is designed for students who demonstrate a high degree of motivation and ability and wish to develop a painting and drawing portfolio for college credit and/or college application. The curriculum addresses the two sections of the AP portfolio which are sustained investigation and the selected works section. Students will demonstrate skillful synthesis of materials, processes, and ideas, and they will conduct a sustained investigation based on questions, practice, experimentation, and revision. Self-critique and reflection will also be required.   |                  |                     |                  |

<b>7210</b>	<b>SCULPTURE I</b> This course will enable students to explore a wide variety of sculpting techniques and various media, including air dry clay, paper-mache, foam, and wire. Tools and safety equipment will be emphasized before students begin to work. Preliminary drawings and research will also be required before students begin to sculpt with materials. Discussion and project construction will enable students to enhance their understanding of both 2-D and 3-D art.	<b>Full Year</b>	<b>Grades 9-12</b>	<b>5 Credits</b>
<b>7220</b>	<b>SCULPTURE II</b> <b>Prerequisite:</b> Sculpture I In Sculpture II students will build upon the knowledge and skills they developed in Sculpture I. Students will experiment with various sizes, shapes, and media. Students will focus on the creative process that moves them to create original works of art, which will then become part of their personal portfolios. Students will learn about individual artists and their works, which will serve to guide their own artistic projects. Students will be required to maintain a sketchbook to track progress and record notes.	<b>Full Year</b>	<b>Grades 10-12</b>	<b>5 Credits</b>
<b>7540</b>	<b>HAND-BUILT POTTERY</b> This course will concentrate on in-depth experimentation of hand-building techniques which include pinching, modeling, coiling, clay sculpture, and slab building. Any or all of these methods can be used in combination to form functional and sculptural pottery. Glazing and various decorating techniques will be explored in order to enhance the shape and function of the hand-built art works. Open to all students, including those who have taken a pottery class.	<b>Full Year</b>	<b>Grades 9-12</b>	<b>5 Credits</b>
<b>7510</b>	<b>POTTERY I</b> A variety of methods of pottery design, including coil, wheel-thrown and others, will be studied. An emphasis will be placed on the wheel-throwing method where basic forms will be explored and a strong foundation in wheel throwing techniques will be built. An in-depth study in surface design and decoration will be explored.	<b>Full Year</b>	<b>Grades 9-12</b>	<b>5 Credits</b>
<b>7520</b>	<b>POTTERY II</b> <b>Prerequisites:</b> Pottery I and teacher recommendation This is a sequential learning course designed for the serious pottery student. Students are building their knowledge based upon the methods and techniques learned in Pottery I and will be applying this knowledge to more complex projects. Students must possess strong throwing skills and some understanding of the hand-building method of pottery. In the second year of pottery, students will concentrate on the aesthetic sculptural quality of the vessel and the technical aspects of pottery as an art form. Both the wheel throwing and hand-building methods will be explored. An emphasis will be placed on the concept that the vessel can be both decorative as well as functional. A focus will be placed upon large scale vessels and making specific forms. Students will proceed to the next level of critical thinking, as well as informed assessments.	<b>Full Year</b>	<b>Grades 10-12</b>	<b>5 Credits</b>
<b>7530</b>	<b>POTTERY III</b> <b>Prerequisites:</b> Pottery II and teacher recommendation The third-year pottery course is designed for the dedicated art student who possesses a serious interest in pottery and strong wheel throwing technique. Students are building their knowledge based on the methods and techniques learned in Pottery II. Students must have strong working knowledge of the potter's wheel and various hand-building techniques. This course includes instruction in advanced methods of clay construction, design, and decoration. Both the wheel throwing and hand-building methods will be explored. In the third year of pottery, students will concentrate on the aesthetic sculptural quality of the vessel and the technical aspects of pottery as an art form. A focus will be placed on making large-scale vessels than can be decorative as well as functional. Students will also explore different bodies of clay, such as porcelain and stoneware.	<b>Full Year</b>	<b>Grades 11-12</b>	<b>5 Credits</b>

# BUSINESS EDUCATION

Mrs. Darlene Parks, Supervisor

- 6141 SMALL BUSINESS MANAGEMENT Full Year Grades 11-12 5 Credits**  
An entrepreneurial approach to small business management with emphasis on the importance of management skills, industry knowledge, and strategic planning. Specific topics will include small business creation, business plan development, marketing, operations, personnel, finance, business law, and community responsibility. The primary course objective is to provide students with a realistic formula for successfully operating a small business. Students will have opportunities to interact with local business owners to learn the intricate workings of small business environments. **Students enrolling in this course may be eligible to earn college credits through our dual credit partnership with Ocean County College.**
- 6068 MICROSOFT OFFICE Full Year Grades 9-12 5 Credits**  
This course provides students with the skills they need to effectively use the Microsoft Office Suite. Students will learn to use the features of Microsoft Word, Access, PowerPoint, and Excel, which are extremely beneficial for college and personal use.
- 6200 TOPICS IN BUSINESS Full Year Grades 9-12 5 Credits**  
Thinking of a possible future in business? This course is designed to introduce students to the multi-faceted world of business. Units of study include Accounting, Economics, Finance, Business Law and Ethics, Marketing, and Human Resource Management. Students will foster and expand their knowledge of the business world, learn of possible areas of concentration available for college study, and explore career opportunities. This course satisfies the graduation requirement for Financial Literacy.

- \* **INTRODUCTION TO COMPUTER PROGRAMMING** is in the Mathematics section.
- \* **AP COMPUTER SCIENCE A** is in the Mathematics section.
- \* **ECONOMICS and AP MICROECONOMICS** are in the Social Studies section.
- \* **DIGITAL TECHNOLOGIES** is in the Applied Technology section.

# ENGLISH

Mrs. Darlene Parks, Supervisor

## Student Criteria for Honors/Advanced Placement English Courses:

The following criteria have been established in order to ensure that students are successful in their academic endeavors and to maintain the standards set for the curriculum designed for an Honors and/or AP course:

1. A recommendation from the current English teacher.
2. The student will have achieved a grade of at least an 83 in an Honors/AP course or at least a 90 in an Advanced class.
3. Students who are recommended for an Honors/AP program will be required to complete the Honors summer reading assignment. Students who fail to complete assignments related to this required program may be withdrawn from the course. All summer reading assignments will be posted on the school website.
4. Students wishing to move up to an Honors/AP level class from an Advanced level class will be required to complete a writing sample after school.

## Student Criteria for placement in all other levels of English Courses:

Students' performance in their current English classes, teacher recommendation, and standardized test scores are taken into consideration when students are recommended for their English courses.

<b>1110</b>	<b>ENGLISH I</b>	<b>Full Year</b>	<b>Grade 9</b>	<b>5 Credits</b>
	This is a college preparatory course. This course will challenge students academically by engaging students in critical reading, writing, and thinking tasks. Core literature includes representative poetic and short story works with an emphasis on the short story, the contemporary novel and representative seminal U.S. documents and speeches. Also studied are: <i>Of Mice and Men</i> , <i>The Odyssey</i> , and <i>Romeo and Juliet</i> . Research, vocabulary, and grammar programs are components of this course. A summer reading assignment is a requirement of this course.			
<b>1120</b>	<b>ADVANCED ENGLISH I</b>	<b>Full Year</b>	<b>Grade 9</b>	<b>5 Credits</b>
	This course is for motivated, independent learners who desire to prepare for college. Students selecting this program should have highly honed language skills and desire to further develop their critical reading, writing, and thinking abilities. Additional supplemental readings and texts will be required. Students should be prepared to complete a significant amount of reading and work outside of the classroom. Core literature includes representative poetic and short story works with an emphasis on the short story, the contemporary novel and representative seminal U.S. documents and speeches. Also studied are: <i>Of Mice and Men</i> , <i>The Odyssey</i> , and <i>Romeo and Juliet</i> . Outside supplemental readings are an additional component of this program. Research, vocabulary, and grammar programs are components of this course. A summer reading assignment is a requirement of this course.			
<b>1130</b>	<b>HONORS ENGLISH I</b>	<b>Full Year</b>	<b>Grade 9</b>	<b>5 Credits</b>
	This course is for highly motivated, independent learners with academic initiative who desire to prepare for college. Students selecting this program should have a strong preference for intensive academic rigor, wish to apply knowledge, creativity and energy to their academic endeavors and strive to acquire a finer appreciation of the subtleties of language. This course places students on the advanced placement track. Students should be prepared to engage in extensive learning outside the boundaries of the classroom. Core literature includes representative poetic and short story works with an emphasis on the short story, the contemporary novel and representative seminal U.S. documents and speeches. Also studied are: <i>Of Mice and Men</i> , <i>The Odyssey</i> , and <i>Romeo and Juliet</i> as well as a variety of non-fiction essays. A variety of supplemental texts will be required outside reading. Research, vocabulary, and grammar programs are components of this course. Multiple summer reading assignments are required.			

<b>1210</b>	<b>ENGLISH II</b> <b>Prerequisite:</b> English I	<b>Full Year</b>	<b>Grade 10</b>	<b>5 Credits</b>
	This is a college preparatory course. Students will further develop language skills by engaging in critical reading, writing and thinking. Core literature includes study of the contemporary novel, Shakespearean drama, poetry, speeches, informational articles, and essays. Research, grammar, and vocabulary are also important components of this course. Students will be required to create projects, produce essays, and work collaboratively in order to develop 21 <sup>st</sup> century technology skills as well as meet college and career readiness standards. A summer reading assignment is a requirement of this course.			
<b>1220</b>	<b>ADVANCED ENGLISH II</b> <b>Prerequisite:</b> Advanced English I	<b>Full Year</b>	<b>Grade 10</b>	<b>5 Credits</b>
	This course is for highly motivated, independent learners with academic initiative who desire to prepare for college. Students selecting this program should have highly honed language skills and desire to further develop their critical reading, writing and thinking abilities. Additional supplemental readings and texts will be required. Students should be prepared to complete a significant amount of reading and work outside of the classroom. Core literature includes study of the contemporary novel, Shakespearean drama, poetry, speeches, informational articles, and essays. Research, grammar, and vocabulary are also important components of this course. Students will be required to create projects, produce essays, and work collaboratively in order to develop 21 <sup>st</sup> century technology skills as well as meet college and career readiness standards. A summer reading assignment is a requirement of this course.			
<b>1230</b>	<b>HONORS ENGLISH II</b> <b>Prerequisites:</b> Honors English I with an 83 or better or Advanced English I with a 90 or better and teacher recommendation	<b>Full Year</b>	<b>Grade 10</b>	<b>5 Credits</b>
	This course is for highly motivated, independent learners with academic initiative who desire to prepare for college. Students selecting this program should have a strong preference for intensive academic rigor, wish to apply knowledge, creativity and energy to their academic endeavors and strive to acquire a finer appreciation of the subtleties of language. This course places students on the advanced placement track. Students should be prepared to engage in extensive learning outside the boundaries of the classroom. Core literature includes study of the contemporary novel, Shakespearean drama, poetry, speeches, informational articles, and essays. Research, grammar, and vocabulary are also important components of this course. Students will be required to create projects, produce essays, and work collaboratively in order to develop 21 <sup>st</sup> century technology skills as well as meet college and career readiness standards. Multiple summer reading assignments are required.			
<b>1310</b>	<b>ENGLISH III</b> <b>Prerequisite:</b> English II	<b>Full Year</b>	<b>Grade 11</b>	<b>5 Credits</b>
	This is a college preparatory course. Students will further develop language skills by engaging in critical reading, writing, and thinking. This course will challenge students academically to further develop language skills by engaging students in critical reading, writing, and thinking tasks. This course will emphasize the study of American Literature, as well as important U.S. documents and modern non-fiction essays. Special attention will be given to writing instruction, vocabulary development, and preparation for standardized tests like the SAT. The college application/resume process will also be reviewed. A summer reading assignment is a requirement of this course.			
<b>1320</b>	<b>ADVANCED ENGLISH III</b> <b>Prerequisite:</b> Advanced English II	<b>Full Year</b>	<b>Grade 11</b>	<b>5 Credits</b>
	This course is for highly motivated, independent learners with academic initiative who desire to prepare for college. Students selecting this program should have highly honed language skills and desire to further develop their critical reading, writing, and thinking abilities. Students should be prepared to complete a significant amount of reading and work outside of the classroom. This course will emphasize the study of American Literature, as well as important U.S. documents and modern non-fiction essays. Special attention will be given to writing instruction, vocabulary development, and preparation for standardized tests like the SAT. The college application/resume process will also be reviewed. A summer reading assignment is a requirement of this course.			

- 1330 HONORS ENGLISH III** **Full Year** **Grade 11** **5 Credits**  
**Prerequisites:** Honors English II with an 83 or better or Advanced English II with a 90 or better and teacher recommendation  
This course is for highly motivated, independent learners with academic initiative who desire to prepare for college. Students selecting this program should have a strong preference for intensive academic rigor, wish to apply knowledge, creativity and energy to their academic endeavors and strive to acquire a finer appreciation of the subtleties of language. This course will emphasize the study of American Literature, as well as important U.S. documents and modern non-fiction essays. Special attention will be given to writing instruction, vocabulary development, and preparation for standardized tests like the SAT. The college application/resume process will also be reviewed. Multiple summer reading assignments are required.
- 1340 AP ENGLISH III: LANGUAGE AND COMPOSITION** **Full Year** **Grade 11** **5 Credits**  
**Prerequisites:** Honors English II with an 83 or better or Advanced English II with a 90 or better and teacher recommendation  
This is a rigorous course which will require students to read complex, non-fiction works from well-renowned writers from the 18<sup>th</sup> through 21<sup>st</sup> centuries, to understand and analyze the art of rhetoric, and to write complex, controlled, and incisive essays. This is essentially a college level course given in high school so strong reading and writing skills are essential. The course is designed for mature, highly motivated students who are willing to challenge themselves. Students enrolled in this course have the opportunity to prepare for the College Board Advanced Placement Exam and potentially earn college credit. Multiple summer reading assignments are required.
- 1410 ENGLISH IV** **Full Year** **Grade 12** **5 Credits**  
**Prerequisite:** English III  
This is a college preparatory course. This course will emphasize the study of British Literature, which will be paired with contemporary non-fiction essays. This course will challenge students academically to further develop their research, reading, writing, speaking, vocabulary, grammar, and critical thinking skills to prepare them for college and career. A summer reading assignment is a requirement of this course.
- 1420 ADVANCED ENGLISH IV** **Full Year** **Grade 12** **5 Credits**  
**Prerequisite:** Advanced English III  
This course is for highly motivated, independent learners with academic initiative who desire to prepare for college. This course will emphasize the study of British Literature, which will be paired with contemporary non-fiction essays. Students selecting this course should expect to complete outside supplemental reading. This course will challenge students academically to further enhance already acquired research, reading, writing, speaking, vocabulary, grammar, and critical thinking skills to prepare them for college and career. A summer reading assignment is a requirement of this course.
- 1430 AP ENGLISH IV: LITERATURE AND COMPOSITION** **Full Year** **Grade 12** **5 Credits**  
**Prerequisites:** Honors English III or AP English III: Language and Composition with an 83 or better or Advanced English II with a 90 or better and teacher recommendation  
This is the most rigorous of the English courses offered senior year. This course will require students to read complex, sophisticated pieces of recognized literary merit. The works studied will come from a variety of time periods and represent a variety of genres including poetry, drama, short stories, and the novel. Students are expected to write papers of analysis, argument, and interpretation with focus, precision, and stylistic maturity. This is essentially a college level course given in high school, so the workload is demanding. Active engagement in class discussions is mandatory. The course is designed for responsible, highly motivated students who are willing to challenge themselves and who are interested in the artistry of imaginative literature. Students enrolled in this course have the opportunity to prepare for the College Board Advanced Placement Exam and potentially earn college credit. Multiple summer reading assignments are required.

**1605 COMMUNICATION CONCEPTS: SPEECH & WRITING BEYOND THE CLASSROOM**

**Full Year      Grades 11- 12      5 Credits**

Good speaking and writing skills are essential for future success! This college prep course will enhance students' ability to speak and write effectively for a variety of purposes. Students will learn to evaluate a speaker's or writer's point of view as they develop their own. Assignments will give students ample opportunity for expression which will enable them to become better communicators and to acquire increased poise and confidence. **Students enrolling in this course may be eligible to earn college credits through our dual credit partnership with Ocean County College.**

**1630 YEARBOOK PRACTICUM**

**Full Year      Grades 11-12      5 Credits**

This course offers students a journalistic experience that cultivates a sensitive, responsible, and accurate ability to report the news and to compile it into a meaningful chronicle of the school year. Students learn principles and basic techniques for effective page layouts. They also learn to write news, sports, and feature copy in an acceptable manner according to established standards of journalism. Yearbook Practicum is also a photo-journalistic curriculum. Photographers take pictures, crop, and work with computer designed spreads. This course is for students interested in writing, art, design, computer applications, desktop publishing and photography. Students are expected to work on the yearbook after school when the need presents itself.



# ENGLISH AS A SECOND LANGUAGE

Mrs. Darlene Parks, Supervisor

The English as a Second Language (ESL) Program is designed for English Language Learners (ELL) who originate from countries outside the United States and represent a variety of languages. The overall goal of the program is English language acquisition. In the program, students strive to acquire proficiency in listening, speaking, reading, and writing English. As they develop interpersonal communication skills, students also focus on learning English and achieving academic success in other content areas. The ESL program also supports students in meeting district, State, and federal mandates for graduation, including achieving proficiency on standardized tests.

**1702 ENGLISH AS A SECOND LANGUAGE Full Year Grades 9-12 5 Credits**  
This ESL class is designated as a port of entry course for students who have little or no functional ability in English. Students begin to acquire the essential skills needed for basic communication. Developmental reading and writing skills are emphasized. Placement in the program is determined by WIDA MODEL and/or ACCESS tests of English proficiency required by the State. Each student will have at least one class period of ESL per day.

**1705 ADVANCED ENGLISH AS A SECOND LANGUAGE Full Year Grades 9-12 5 Credits**  
This class focuses on further improving English language proficiency as well as developing the comprehensive literacy skills required for academic success in all content area classes. It also prepares ELL students to take the State assessment in language arts and mathematics. Placement in the program is determined by WIDA MODEL and/or ACCESS tests of English proficiency required by the State. Each student will have at least one class period of ESL per day.

# FAMILY & CONSUMER SCIENCES

Mrs. Catherine Latshaw, Lead Teacher

All Family and Consumer Sciences courses combine practical application and academic knowledge. By taking the courses, students gain knowledge in the various areas while also learning critical thinking and analytical skills. The courses help to create better lifestyles while improving workplace readiness skills and create pathways to future employment and education. All courses will have a standardized benchmark assessment at the end of each quarter. All Family and Consumer Sciences courses will fulfill the practical arts graduation requirement. Clothing Construction courses will fulfill the visual arts graduation requirement as well. Life 101 will fulfill the financial literacy graduation requirement.

## **8140 CLOTHING CONSTRUCTION & FASHION STUDIO I**

**Full Year**

**Grades 9-12**

**5 Credits**

Are you creative? Do you like hands-on projects? Do you like fashion? If you said yes to any of these questions, then Clothing Construction & Fashion Studio I is for you! In this course, students will be inspired to explore the world of fashion. They will learn about the basic tools in sewing, pattern selection and following a pattern, while creating a variety of projects, which may include shirts, bags, pajama pants, pillows, and dresses. Students will discover how clothes are made while developing valuable life skills. An exploration of careers in the fashion industry and the development of a personal portfolio are also components of this course.

## **8141 CLOTHING CONSTRUCTION & FASHION STUDIO II**

**Full Year**

**Grades 10-12**

**5 Credits**

**Prerequisite:** Clothing Construction & Fashion Studio I

In this more advanced course, students will learn about textile selection and how it relates to clothing construction. Students will select a project that continues to develop their sewing knowledge and skills and enables them to continue learning new concepts such as serging, seam finishes and hems. Projects will be selected jointly by the student and teacher. Students will work on a personal portfolio representing their skill in clothing construction. Careers in the area of textiles and the clothing industry will be studied, as well as influential designers and elements and principles of design.

## **8142 CLOTHING CONSTRUCTION & FASHION STUDIO III**

**Full Year**

**Grades 11-12**

**5 Credits**

**Prerequisites:** Clothing Construction & Fashion Studio II and teacher recommendation

Using more difficult materials, students will create advanced projects including prom gowns, tailored suits, jackets and coats. Couture sewing will also be introduced. The course is recommended for the student who truly enjoys sewing and wishes to continue advanced learning in this area. Students will work on a personal portfolio representing their skill in clothing construction. Creativity in fashion design and careers in the fashion industry will also be explored. As students complete the areas of study, course projects will include fashion displays, fashion advertising, and fashion modeling. Students will also be key components in the production of the school's ever successful fashion show, gaining experience applicable in the real world.

## **8143 CLOTHING CONSTRUCTION & FASHION STUDIO IV**

**Full Year**

**Grade 12**

**5 Credits**

**Prerequisites:** Clothing Construction & Fashion Studio III and teacher recommendation

This course is designed for students whose career interests are in Fashion Merchandising or those who desire general knowledge of this topic. As students complete the areas of study, in depth course projects will include fashion displays, fashion advertising, fashion modeling, and another production of the fashion show. Students will utilize advanced technology such as the serger and embroidery machine. Students will learn tailoring techniques in clothing construction and alter existing garments. Pattern construction techniques such as flat pattern design and draping will also be explored. Students will continue to work on a personal portfolio that represents their skill in clothing construction and demonstrates their ability to set goals and think creatively. After following the Clothing Construction & Fashion Studio course sequence for four years, students are sure to be adequately prepared to take on the fashion scene!

<b>8206</b>	<b>CHILD DEVELOPMENT I</b>	<b>Full Year</b>	<b>Grades 9-12</b>	<b>5 Credits</b>
	Students taking the course will learn about the growth and development of children from conception to age six, with emphasis on the preschool child. Appropriate and effective parenting skills for each age level will also be included in the curriculum. An integral part of the course will be the Child Development Learning Lab. Through participation in this program, students will be able to apply their knowledge of child development as well as gain practical experience when working with the preschoolers. Workplace readiness skills are an important aspect of this course.			
<b>8207</b>	<b>CHILD DEVELOPMENT II</b>	<b>Full Year</b>	<b>Grades 10-12</b>	<b>5 Credits</b>
	<b>Prerequisites:</b> Child Development I and teacher recommendation			
	This course is designed to increase the exposure of students to the joys and responsibilities of working with young children in a variety of roles and capacities. Integral parts of the course are teaching in the child development learning lab and mentoring students in the Child Development I course. Students will plan developmentally appropriate projects for all areas of the curriculum. These projects will then be incorporated into a portfolio which will reflect the students' own career interests and understanding of early childhood and elementary level learning.			
<b>8208</b>	<b>CHILD DEVELOPMENT III</b>	<b>Full Year</b>	<b>Grades 11-12</b>	<b>5 Credits</b>
	<b>Prerequisites:</b> Child Development II and teacher recommendation			
	This course will continue to expose students to the joys of working with children. Students will further explore the responsibilities of working with preschoolers in our Child Development Learning Lab and explore careers that have a primary focus working with children. They will continue to mentor other students as well as expand their portfolio started in Child Development II.			
<b>8225</b>	<b>LIFE 101</b>	<b>Full Year</b>	<b>Grades 11-12</b>	<b>5 Credits</b>
	Do you know how to apply to colleges, trade schools or the military? Find a place to live, find a job or manage a bank account? Buy a car or understand all types of insurance? Do you understand the stock market and investing? Can you manage a food budget and cook healthy meals? Can you do this all while going to school and/or holding a job? Sound overwhelming? This course will explore the knowledge and skills necessary for living independently in today's fast paced world. This course will fulfill the Financial Literacy graduation requirement.			
<b>8006</b>	<b>FUNDAMENTAL FOODS</b>	<b>Full Year</b>	<b>Grades 9-12</b>	<b>5 Credits</b>
	This basic food course will enable the student to plan and prepare a variety of nutritious breakfast, lunch, and dinner menus. Basic food preparation techniques are highlighted, and students will learn to prepare pasta dishes, meats, vegetables, quick breads, eggs, yeast breads, dairy and fruits. Nutrition, safety, and sanitation are of utmost importance and are incorporated throughout the course. An overview of careers in food service is included.			
<b>8026</b>	<b>CREATIVE BAKING</b>	<b>Full Year</b>	<b>Grades 9-12</b>	<b>5 Credits</b>
	This introductory course will introduce students to the art of baking. Students will learn various techniques to successfully prepare an assortment of baked goods. Measuring skills, the science of baking, and culinary careers will also be explored.			
<b>8046</b>	<b>GLOBAL FOODS</b>	<b>Full Year</b>	<b>Grades 11-12</b>	<b>5 Credits</b>
	Students will be introduced to the history, culture, traditions, and cuisine of many different countries as well as regions of the United States. They will gain a broader appreciation of cultural diversity in our society. This course will enhance the student's knowledge of American and world history. Nutrition, safety, and sanitation procedures are incorporated throughout this course.			

**8076 NUTRITION** **Full Year** **Grades 11-12** **5 Credits**  
The nutrition course examines how the body uses the food we eat. Vitamins, minerals, carbohydrates, proteins, and fats are studied in detail. Students will apply their knowledge in the planning and preparing of menus that will supply essential nutrients. Current issues in nutrition, such as modifying recipes to incorporate more fiber and less fat, leading to a healthier lifestyle will be explored. Alternate protein choices will also be evaluated as well as a variety of specialized diets such as vegetarian, heart healthy, low calorie and sports nutrition. This course is especially recommended for students who have an interest in nutrition and diets, as well as those pursuing careers in the culinary arts field and in the area of medicine, athletics, and health.

**8220 TOMORROW'S TEACHERS** **Full Year** **Grades 11-12** **5 credits**  
**Prerequisite:** Students must complete an application process for the course  
The Tomorrow's Teachers course is designed to introduce high school students to the teaching profession. Through classroom discussion, projects, field observations and experiences, students will learn about the diverse field of education. Students will develop and demonstrate interpersonal and leadership skills, learn about professionalism, gain an understanding of school structure, policies, and procedures, and discuss current issues in education today. A portfolio of work will be compiled, and a four-to-six-week field experience will allow students to work with children in an area school. This is a rigorous, purposeful, practical course and the expectations are high; a significant amount of work must be accomplished outside the confines of the class period. **Students enrolling in this course may be eligible to earn college credits through our dual credit partnership with Stockton University.**

# MATHEMATICS

Mr. Michael Concilio, Supervisor

**2210 ALGEBRA I** **Full Year** **Grades 9-10** **5 Credits**  
Algebra I is designed to challenge students in mathematics and to provide a solid mathematical background for post-secondary applications. In this course, the principles of algebraic reasoning are presented. Topics include properties of real numbers, functions, transformations, exponents, polynomials, linear equations, quadratic equations, systems of equations and inequalities. An appreciation of logical reasoning and analysis is developed by presenting students with methods for solving problems by algebraic techniques and by applying these techniques to the real world. The sequence of topics, content emphasis, and use of technology combine a program that gives students a lasting solid foundation in algebra.

**2211 ADVANCED ALGEBRA I** **Full Year** **Grades 9-10** **5 Credits**  
**Prerequisite:** Teacher recommendation  
Advanced Algebra I is a rigorous course, which covers all the topics of standard Algebra I. Additional emphasis is placed on the concepts of variables, real numbers, exponents, equations, inequalities, matrices, data analysis, factoring, graphing, functions, Pythagorean Theorem, quadratic equations, rational expressions, radicals, and trigonometric ratios. Concepts are extended to include graphing and solving absolute value inequalities, systems of inequalities, quadratic inequalities, as well as solving exponential functions, including growth and decay. Students develop critical thinking skills and problem-solving techniques needed to conceptually understand and apply algebraic systems for solving problems applied to real world situations. This course will provide a solid foundation for the advanced study of mathematics.

**2220 GEOMETRY** **Full Year** **Grades 9-12** **5 Credits**  
**Prerequisite:** Algebra I  
Geometry is designed to provide the college-bound student with the opportunity to work with the tools of geometry, informal and inductive reasoning, and their creative powers to discover the essential geometric concepts necessary to prepare them for further study in mathematics in high school and college. Students will explore the geometric relationships of patterns, congruence, similarity, parallelism, area, volume, transformations, polygons, polyhedra, circles, and spheres. As students understand the informal and inductive development of geometric concepts, deductive reasoning will be introduced.

**2221 ADVANCED GEOMETRY** **Full Year** **Grades 9-12** **5 Credits**  
**Prerequisites:** Algebra I and teacher recommendation  
This is an accelerated math course. Advanced Geometry is a rigorous course, which covers all of the topics of standard Geometry. Additional emphasis is placed on the concepts of solid and analytic geometry, postulates and theorems, transformational geometry, right triangle trigonometry, and applications of geometry to other fields. A student who chooses this course should be aware of the following: the range of topics is greater and, in more depth, than a non-advanced course, and the pace is faster. Concepts are extended to include coordinate geometry and proofs as well as applications to real-world problems. Students develop the ability to originate the synthetic proof of geometric theorems and methods of critical and logical thinking needed to investigate and solve problems.

- 2222 HONORS GEOMETRY** **Full Year** **Grades 9-10** **5 Credits**  
**Prerequisites:** Honors Algebra I with an 83 or better and teacher recommendation  
 Honors Geometry is a rigorous course, which covers all the topics of a standard geometry class, with an emphasis placed upon the use of postulates and theorems, congruent polygons and triangles, right triangle geometry with an emphasis on Pythagorean Theorem and right triangle trigonometry, Properties of Polygons and Circles, Measurement in One, Two, and Three Dimensions, Transformations, and Similarity. In addition, there is a strong emphasis on the reinforcement of topics learned in Algebra I as they apply to the above listed topics as well as the coordinate plane. Students develop the ability to originate the synthetic proof of geometric theorems and methods of critical and logical thinking needed to investigate and solve problems. In addition, students will be required to use all these techniques to solve real world problems. This course is for the highly motivated math student. Expectations and workload in all honors courses are significant. This accelerated course will require that a significant amount of work be accomplished outside the confines of the class period.
- 2307 INTERMEDIATE ALGEBRA** **Full Year** **Grades 11-12** **5 Credits**  
**Prerequisite:** Geometry  
 This course builds upon the concepts presented in Algebra I. Topics include linear and quadratic equations, functions and graphs, analytic geometry, and the real and complex number systems. Inductive and deductive reasoning skills will be strengthened in the exploration of algebraic topics. Technology will be integrated to allow students to explore real world applications of mathematics and mathematical modeling.
- 2308 ALGEBRA II** **Full Year** **Grades 11-12** **5 Credits**  
**Prerequisites:** Algebra I and Geometry  
 This course assumes competency in fundamental algebra skills. Students will extend their knowledge of algebraic and statistical concepts by analyzing various relationships. Specifically, students will study inverses and new function families: polynomial, rational, radical, exponential, logarithmic, and trigonometric along with real and complex number systems. Students will also spend a portion of the year deepening their knowledge of probability and statistics. The course provides experience problem solving with the use of technology.
- 2309 ADVANCED ALGEBRA II** **Full Year** **Grades 11-12** **5 Credits**  
**Prerequisites:** Advanced Geometry and teacher recommendation  
 This is an accelerated math course. Advanced Algebra II is a rigorous course which covers all of the topics of standard Algebra II. Additional emphasis is placed on the concepts of functions, analysis, conics, logarithmic and exponential functions, and matrices. A student who chooses this course should be aware of the following: the range of topics is greater and, in more depth, than a non-advanced course, and the pace is faster. Additional topics covered include conic sections, counting methods, probability, data analysis, statistics, sequences, and series. Students develop critical thinking skills and problem-solving techniques needed to conceptually understand and apply algebraic systems for solving problems.
- 2310 HONORS ALGEBRA II** **Full Year** **Grades 10-11** **5 Credits**  
**Prerequisites:** Honors Geometry with an 83 or better and teacher recommendation  
 This course is for the highly motivated math student. Expectations and workload in all honors courses are significant. This accelerated course will require that a significant amount of work be accomplished outside the confines of the class period.
- 2315 ALGEBRA III** **Full Year** **Grades 11-12** **5 Credits**  
**Prerequisite:** Algebra II  
 This course is designed for students to extend their understanding of algebra and introduce the study of trigonometry and basic statistics. Functions, including their graphs, will be covered in detail. Students who plan to attend college but are not likely to need calculus for their major can elect to take this course as an alternative to Trigonometry & Pre-Calculus. **Students enrolling in this course may be eligible to earn college credits through our dual credit partnership with Ocean County College.**

- 2240 TRIGONOMETRY & PRE-CALCULUS**                      **Full Year**                      **Grades 11-12**                      **5 Credits**  
**Prerequisites:** Geometry, Algebra II and teacher recommendation  
This course expands upon the skills learned in both algebra and geometry and is designed to build a foundation for calculus. Polynomials, rational, exponential, logarithmic, and trigonometric (or circular) functions, as well as some of their properties and graphs are discussed in detail. The concept of conic sections is also covered. Students will learn to use the graphing calculator to analyze functions. This accelerated course will require that a significant amount of work be accomplished outside the confines of the class period. **Students enrolling in this course may be eligible to earn college credits through our dual credit partnership with Stockton University.**
- 2320 HONORS TRIGONOMETRY & PRE-CALCULUS**                      **Full Year**                      **Grades 11-12**                      **5 Credits**  
**Prerequisites:** Honors Algebra II with an 83 or better and teacher recommendation  
This course expands upon the skills learned in both algebra and geometry and is designed to build a foundation for calculus. Polynomials, rational, exponential, logarithmic, and trigonometric functions, as well as their properties and graphs are discussed in detail. The concepts of limits and derivatives are introduced. Other topics addressed include sequences/series and counting/probability. Students will learn to use the graphing calculator to analyze functions. This accelerated course will require that a significant amount of work be accomplished outside the confines of the class period. **Students enrolling in this course may be eligible to earn college credits through our dual credit partnership with Stockton University.**
- 2340 HONORS CALCULUS I**                      **Full Year**                      **Grades 11-12**                      **5 Credits**  
**Prerequisite:** Trigonometry & Pre-Calculus  
This is an introductory college-level course in differential and integral calculus. This course will introduce the students to many of the topics normally covered in a college level calculus course. This course will not prepare the student for the AP Calculus Exam. The advanced nature of the course requires the students to conscientiously complete their daily assignments which will require that a significant amount of work be accomplished outside the confines of the class period. **Students enrolling in this course may be eligible to earn college credits through our dual credit partnership with Stockton University.**
- 2351 AP CALCULUS I**                      **Full Year**                      **Grades 11-12**                      **5 Credits**  
**Prerequisites:** Honors Trigonometry with an 83 or better and teacher recommendation  
This course is for the highly motivated math student. Expectations and workload in all AP courses are significant. Students successfully completing the first semester of the course with at least an 83 and receiving the recommendation of their teacher may take the AP Calculus AB Exam for advanced credit. The advanced nature of the course presupposes a high aptitude in, and enthusiasm for, abstract mathematics including a willingness to complete daily assignments. This accelerated course will require that a significant amount of work be accomplished outside the confines of the class period. **Students enrolling in this course may be eligible to earn college credits through our dual credit partnership with Stockton University.**
- 2360 AP CALCULUS II**                      **Full Year**                      **Grade 12**                      **5 Credits**  
**Prerequisites:** AP Calculus I and teacher recommendation  
This course will review the topics covered in AP Calculus I and then follow the scope and sequence of the topics as outlined by the College Board for the Advanced Placement Calculus BC course. Students successfully completing the first semester of the course with at least an 83 will be recommended to take the AP Calculus BC Exam for advanced credit (with the expectation that the scores will be reported to the college they plan to attend). The advanced nature of the course presupposes a high aptitude in, and an enthusiasm for abstract mathematics, including a willingness to explore topics independently with minimal of teacher assistance. The expectations and workload in an AP course are high. This accelerated course will require that a significant amount of work be accomplished outside the confines of the class period. **Students enrolling in this course may be eligible to earn college credits through our dual credit partnership with Stockton University.**

**2370 AP STATISTICS** **Full Year** **Grades 10-12** **5 Credits**  
**Prerequisites:** Honors Geometry and/or Honors Algebra II and teacher recommendation  
This is a college-level course in statistics. Topics covered in the course include exploring data, planning a study, anticipating patterns, and statistical inference. Due to the nature of the course, it is highly recommended that students have their own graphing calculator. The expectations and workload in an AP course are high. This accelerated course will require that a significant amount of work be accomplished outside the confines of the class period.

**2420 INTRODUCTION TO COMPUTER PROGRAMMING** **Full Year** **Grades 10-12** **5 credits**  
**Prerequisite:** Concurrently taking or completed Algebra II  
Introduction to Computer Programming provides students with the knowledge and skills necessary to construct computer programs in one or more languages. Students will first learn the basic components of a computer and how it executes code to display what we use every day. The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. Students will write code using logical operators and other more detailed functions. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems.

**2430 AP COMPUTER SCIENCE A** **Full Year** **Grades 10-12** **5 credits**  
**Prerequisite:** Concurrently taking or completed Algebra II  
AP Computer Science A is equivalent to a first-semester, college level course in computer science. The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using Java language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. The AP Computer Science A course curriculum is compatible with many CS1 courses in colleges and universities.

**2520 PRACTICAL MATH & PERSONAL FINANCE** **Full Year** **Grades 10-12** **5 Credits**  
**Prerequisite:** Concurrently taking or completed Intermediate Algebra or Algebra II  
This full year course will focus on real-world applications of mathematics in personal financial decision making. Through a project-based approach students will gain a general understanding of the key aspects of money management. Students will apply concepts learned in previous math courses to topics including personal income, taxes, checking and savings accounts, credit, loans and payments, car leasing and purchasing, home mortgages, investments, insurance, retirement planning and business. This course will provide a foundational understanding for making informed financial decisions. This course will fulfill the Financial Literacy graduation requirement.



# PERFORMING ARTS

Dr. Richard Falletta, Supervisor

- |             |   |                  |                     |                  |
|-------------|---|------------------|---------------------|------------------|
| <b>0610</b> | <b>SELECT SYMPHONIC BAND</b>  | <b>Full Year</b> | <b>Grades 9-12</b>  | <b>5 Credits</b> |
|             | <b>Prerequisites:</b> Director's recommendation and audition  |                  |                     |                  |
|             | Symphonic Band is the first level of a two tiered band program. Continued emphasis will be on the development of individual musical skills. Students are expected to complete small or individual lessons/sectionals with faculty throughout the school year. Advanced literature will be demonstrated through public performance and students will be required to perform at three evening concerts, the New Jersey Gala performances and high school graduation (band members in grades 9–11).  |                  |                     |                  |
| <b>0620</b> | <b>WIND ENSEMBLE</b>  | <b>Full Year</b> | <b>Grades 9-10</b>  | <b>5 Credits</b> |
|             | <b>Prerequisites:</b> Director's recommendation and audition  |                  |                     |                  |
|             | This ensemble is composed of the most outstanding instrumental students in the band program. Students will engage in an in-depth study of highly developed concert literature and advanced technical musical studies that will challenge each student to reach his/her full musical potential. Students are expected to complete small or individual lessons with faculty throughout the school year. All students are required to perform at three evening concerts, Region festival, the New Jersey Gala, and the Memorial Day Ceremony. Students are required to perform at graduation. This course will be scheduled along with the Honors Wind Ensemble. Students are required to audition every year.   |                  |                     |                  |
| <b>0621</b> | <b>HONORS WIND ENSEMBLE</b>   | <b>Full Year</b> | <b>Grades 11-12</b> | <b>5 Credits</b> |
|             | <b>Prerequisites:</b> Director's recommendation and audition  |                  |                     |                  |
|             | This ensemble is composed of the most outstanding instrumental students in the band program. Students will engage in an in-depth study of highly developed concert literature and advanced technical musical studies that will challenge each student to reach his/her full musical potential. Students are expected to complete small or individual lessons with faculty throughout the school year. All students are required to perform at three evening concerts, Region festival, the New Jersey Gala, and the Memorial Day Ceremony. Students in grade 11 are required to perform at graduation. Successful completion of this class entitles students to receive honors credit with the completion of additional assignments and/or assessments as determined by the director. Students are required to audition every year. |                  |                     |                  |
| <b>0640</b> | <b>STRING ORCHESTRA</b>   | <b>Full Year</b> | <b>Grades 9-12</b>  | <b>5 Credits</b> |
|             | <b>Prerequisites:</b> Director's recommendation and audition  |                  |                     |                  |
|             | This course will provide a well-rounded experience in ensemble performance in the string orchestra setting. Students must have experience in playing a stringed instrument (Violin, Viola, Cello, or Upright Bass) or make prior arrangements for individual lessons before joining the course. Music reading and public performance will be emphasized. Students will be required to perform in two evening concerts during the school year.   |                  |                     |                  |
| <b>0645</b> | <b>SELECT STRING ORCHESTRA</b>  | <b>Full Year</b> | <b>Grades 9-10</b>  | <b>5 Credits</b> |
|             | <b>Prerequisites:</b> Director's recommendation and audition  |                  |                     |                  |
|             | This ensemble is composed of the most outstanding students in the strings program. Students will play music at a significantly more challenging level than in String Orchestra and take part in community performances throughout the year. Auditions will be held in the spring for the following fall and will include the performance of a solo, scales and sight-reading material. Students will be required to perform in two evening concerts during the school year. This course will be scheduled along with the Honors Select String Orchestra.  |                  |                     |                  |

- 0655 HONORS SELECT STRING ORCHESTRA Full Year Grades 11-12 5 Credits**  
**Prerequisites:** Director's recommendation and audition  
 This ensemble is composed of the most outstanding students in the strings program. Students will play music at a significantly more challenging level than in String Orchestra and take part in community performances throughout the year. Auditions will be held in the spring for the following fall and will include the performance of a solo, scales and sight-reading material. Students will be required to perform in two evening concerts during the school year. Successful completion of this class entitles students to receive honors credit with the completion of additional assignments and/or assessments as determined by the director.
- 0680 CONCERT CHOIR Full Year Grades 9-12 5 Credits**  
**Prerequisites:** Director's recommendation and audition  
 Concert Choir is an auditioned choir. Auditions are held from January to June of the previous school year. Students participating in Concert Choir have an understanding of the singing voice and the ability to read music and perform a variety of musical pieces. Fall repertoire includes more traditional selections to be performed during the month of December. Spring repertoire includes more "show choir" selections to be performed at various festivals, competitions and school concerts.
- 0682 SELECT CHOIR Full Year Grade 10 5 Credits**  
**Prerequisites:** Director's recommendation and audition  
 Select Choir is an auditioned choir. Auditions are held from January to June of the previous school year. Auditioned material is similar to the material required by the All-Shore Chorus. Advanced vocal students participating have an opportunity to learn and perform a variety of music that will further their musical, vocal and performance skills. Emphasis is placed on a variety of musical components, such as sight-reading, rhythmic and melodic articulation, expressive interpretation, and performance practices. Students will be encouraged to improve their listening and vocal skills through a variety of individual and group performances. This course will require student participation beyond regular school hours due to the performance schedule. These performances may include in-school shows, community programs, recitals, and vocal festivals. This course will be scheduled along with the Honors Select Choir.
- 0683 HONORS SELECT CHOIR Full Year Grades 11-12 5 Credits**  
**Prerequisites:** Director's recommendation and audition  
 Honors Select Choir is an auditioned choir. Auditions are held from January to June of the previous school year. Auditioned material is similar to the material required by the All-Shore Chorus. Advanced vocal students participating have an opportunity to learn and perform a variety of music that will further their musical, vocal and performance skills. Emphasis is placed on a variety of musical components, such as sight-reading, rhythmic and melodic articulation, expressive interpretation, and performance practices. Students will be encouraged to improve their listening and vocal skills through a variety of individual and group performances. This course will require student participation beyond regular school hours due to the performance schedule. These performances may include in-school shows, community programs, recitals, and vocal festivals. Successful completion of this class entitles the students to receive honors credit with the completion of additional assignments and/or assessments as determined by the director.
- 0629 BEGINNING GUITAR Full Year Grades 11-12 5 Credits**  
 Beginning Guitar is an introductory course for the high school student who has an interest in music, but little or no experience playing an instrument. Instruments will be provided if needed. In addition to learning different styles and techniques of guitar playing, students will learn basic music theory and note reading, which are essential to the mastery of any instrument. Since this is a performance class, public concerts and recitals are part of the curriculum.

- 0692 MUSIC THEORY** **Full Year** **Grades 10-12** **5 Credits**  
**Prerequisites:** A minimum of one year of formal study of instrument/voice and teacher recommendation  
 Music Theory is designed for students to gain a deeper understanding of how and why music is constructed. This course will emphasize all building blocks of written music as well as the development of tonal memory. Students will gain practical knowledge of an array of music and will demonstrate skills through dictation. This course will include, but not be limited to: pitch, rhythm, intervals, consonance and dissonance, scales, modes, melody, harmony, counterpoint, rhythm, meter, form, analysis, ear training, solfege singing, musical history, various composers, musical repertoire and basic piano skills.
- 0693 AP MUSIC THEORY** **Full Year** **Grades 10-12** **5 Credits**  
**Prerequisite:** Music Theory OR students may qualify for this course by passing a skills-based competency test  
 This course is designed for students who have successfully completed Music Theory and plan to major or minor in music education and/or performance at college. Music Theory is a course structured to help students gain a deeper understanding of how and why music is constructed. This course will emphasize the development of aural, analytical, and compositional skills. It will follow a course of study designed to prepare students for the AP Music Theory Exam offered by the College Board. The expectations and workload in this honors course are above average and will require extensive student participation beyond regular school hours.
- 0660 THEATRE ARTS** **Full Year** **Grades 9-12** **5 Credits**  
 This comprehensive course focuses on the refinement of an actor's skill. Units in musical theatre, theatre history, technical theatre, costume design, script analysis, direction, speech, and vocal production will ensure versatility for the aspiring performer. Students will be expected to perform after school in two showcases per year. **Students enrolling in this course may be eligible to earn college credits through our dual credit partnership with Stockton University.**
- 0661 ADVANCED THEATRE ARTS** **Full Year** **Grades 10-12** **5 Credits**  
**Prerequisites:** Theatre Arts, student audition and teacher recommendation  
 This comprehensive performance-based course focuses on the continued refinement of an actor's skill. Students must audition to be placed in this course. Units in speech for the stage, acting methods, musical theatre performance, scene work, and history will ensure versatility for the aspiring performer. Students will be expected to perform in two showcases per year. **Students enrolling in this course may be eligible to earn college credits through our dual credit partnership with Stockton University.**
- 0665 THEATRE DANCE** **Full Year** **Grades 9-12** **5 Credits**  
 This course is designed for students looking to strengthen their knowledge and technique in all areas of dance. No prerequisites or prior dance study is required. In this course, students will acquire an understanding of ballet technique, concepts, and principles. Using this foundation, students will continue their studies to learn about jazz, modern, and tap dance. This course will also include study in dance history, performance, and choreography. Students will be expected to perform after school in two showcases per year. Proper shoe and clothing attire will be necessary to participate in this class each day.
- 0666 ADVANCED THEATRE DANCE** **Full Year** **Grades 10-12** **5 Credits**  
**Prerequisites:** Theatre Dance, student audition and teacher recommendation  
 This course is designed for students looking to deepen their understanding of technique in all areas of dance. Students must audition to be placed in this course. In this course, students will acquire a deeper understanding of ballet technique, concepts, and principles. Using this foundation, students will continue their studies to learn about jazz, modern, and tap dance. This course will also include study in dance history, performance, and choreography. Student will be expected to perform in two showcases per year. Proper shoe and clothing attire will be necessary to participate in this class each day.

# PHYSICAL EDUCATION, HEALTH EDUCATION AND DRIVER EDUCATION

Mr. Joseph DiPietro, Supervisor

Per New Jersey State law, a course in Physical Education is required of all students for each year they are enrolled in high school. Progression in skill level and knowledge of physical activities will be emphasized beginning with the freshman year and continuing through the senior year. A selection of team sports, individual sports, and dance are offered. A major focus of all classes will be physical fitness for a healthy life. Safety is of prime concern in all units.

The following activities may be offered:

Aerobics	Field Hockey	Orienteering	Team Handball
Archery	Fitness	Project Adventure II	Tennis
Badminton	Flag Football	Power Walking	Track & Field
Basketball	Games	Racquet Sports	Tumbling
Bicycling	Golf	Soccer	Ultimate Frisbee
Dance	Gymnastics	Softball	Volleyball
Fencing	Lacrosse	Table Tennis	Weight Training

One quarter of Physical Education in Grade 9 will consist of the Project Adventure Experience.

<b>0101</b>	<b>PHYSICAL EDUCATION 9 / HEALTH 9</b>	<b>Grade 9</b>	<b>5 Credits</b>
<b>0201</b>	<b>PHYSICAL EDUCATION 10 / DRIVER EDUCATION</b>	<b>Grade 10</b>	<b>5 Credits</b>
<b>0301</b>	<b>PHYSICAL EDUCATION 11 / HEALTH 11</b>	<b>Grade 11</b>	<b>5 Credits</b>
<b>0401</b>	<b>PHYSICAL EDUCATION 12 / HEALTH 12</b>	<b>Grade 12</b>	<b>5 Credits</b>

All Health Education courses are one marking period in length and are offered alternately with Physical Education in the schedules of students in grades 9 through 12. These courses are designed to provide both specific and general knowledge so those students may develop desirable health practices.

- 0150 HEALTH 9** **Grade 9**  
 This course focuses on the impact of decision making on health. Students will learn about interpersonal skills in developing and maintaining relationships; male and female reproductive systems, sexually transmitted diseases, family planning, birth control methods and their effectiveness with an emphasis on abstinence; and alcohol and drug education. This course focuses on the individual as they strive to understand themselves and others.
- 0250 DRIVER EDUCATION** **Grade 10**  
 Driver Education, a classroom-based course, culminates in the administration of the New Jersey Motor Vehicle Commission's knowledge examination. Passage of this examination meets the requirement of eligibility for the driver's permit. This course focuses on the development of an attitude of responsibility concerning the driving of vehicles. A driver simulator is used to imitate driving conditions and assist in the decision-making process necessary to become a defensive driver.
- 0350 HEALTH 11** **Grade 11**  
 In this course, students will study wellness and fitness; nutrition; drugs and alcohol; and communicable and non-communicable diseases. An emphasis will be placed on the development of personal responsibility and decision making. Students will explore emotions, stress, conflicts, and community resources that support a healthy lifestyle.
- 0450 HEALTH 12** **Grade 12**  
 The complex society we live in presents many challenges for young adults. This course provides students with the opportunity to explore chronic and life-threatening diseases; analyze family health history; learn emergency first aid skills; analyze factors that can influence decisions about pregnancy and parenting; and explore the characteristics of a healthy relationship.

# AIR FORCE JUNIOR ROTC

Mr. Joseph DiPietro, Supervisor

Air Force Junior ROTC (AFJROTC) is a program for students in grades 9-12 who are looking for something different and challenging. The mission of the AFJROTC program is to develop citizens of character dedicated to serving their nation and community. Students will learn to listen and think critically, how to prepare for leadership, how to build personal awareness and self-discipline, key elements of building and leading effective teams, key behaviors for becoming a competent leader, and the importance of charting a career path. Enrollment in AFJROTC incurs **NO MILITARY OBLIGATION**; however, scholarship opportunities and promotion benefits are available to experienced AFJROTC cadets should the student decide to pursue a military career after graduating from high school.

The AFJROTC curriculum includes three components: Aerospace Science (AS), Leadership Education (LE), and Wellness. Aerospace Science introduces students to the principles of flight and navigation, the history of aviation, development of air power, contemporary aviation, human requirements of flight, cultural and global awareness, geography, the space environment, space programs, space technology, rocketry, propulsion, the aerospace industry, and survival skills. The Leadership Education component emphasizes discipline, responsibility, leadership, followership, citizenship, military customs and courtesies, cadet corps activities, study habits, time management, communication skills, career opportunities, life skills, financial literacy, management skills, and drill. Drill is taught throughout the school year as part of the leadership component in conjunction with formal AS and LE academic lessons. Wellness is an official and integral part of the AFJROTC program (inclusive of all athletic abilities). The objective of the wellness program is to motivate cadets to lead healthy, active lifestyles beyond program requirements and into their adult lives. Cadets will be given the opportunity to put into practice the wellness concepts that are taught in class. Wellness includes exercise and physical activity.

Co-curricular and extra-curricular activities reinforce classroom leadership instruction and encourage community service. Cadets organize and participate in Color Guard, Drill Team, ceremonies, parades and athletic events in the school and community. Students have the opportunity to attend field trips to aerospace museums and military bases and participate in hands on learning experiences to include RC model aircraft, model rockets, quadcopters, and flight simulators.

<b>0810</b>	<b>JROTC I</b> This is the first year Junior ROTC course.	<b>Full Year</b>	<b>Grades 9-12</b>	<b>5 Credits</b>
<b>0820</b>	<b>JROTC II</b> <b>Prerequisite:</b> Teacher recommendation This is the second year Junior ROTC course.	<b>Full Year</b>	<b>Grades 10-12</b>	<b>5 Credits</b>
<b>0830</b>	<b>JROTC III</b> <b>Prerequisite:</b> Teacher recommendation This is the third year Junior ROTC course.	<b>Full Year</b>	<b>Grades 11-12</b>	<b>5 Credits</b>
<b>0840</b>	<b>JROTC IV</b> <b>Prerequisite:</b> Teacher recommendation This is the fourth year Junior ROTC course.	<b>Full Year</b>	<b>Grade 12</b>	<b>5 Credits</b>
<b>0850</b>	<b>HONORS AVIATION GROUND SCHOOL</b> <b>Prerequisites:</b> JROTC I and teacher recommendation This course is the foundation for students interested in receiving a Federal Aviation Administration (FAA) private or remote pilot's license. The material covered is an advanced, more in-depth study of aerospace topics. The intent of the program is to provide cadets an academically challenging course for top achievers in the AFJROTC program. Entry into ground school can be earned by high achievement in other AFJROTC courses and involvement in the cadet corps. Course goal is for students to be prepared to take and pass the FAA written examination per requirements of the Federal Aviation Regulations. Students may also concurrently enroll in JROTC II, III or IV.	<b>Full Year</b>	<b>Grades 11-12</b>	<b>5 Credits</b>

## **JROTC - OPTIONAL SUMMER COURSE**

**0845    Cadet Leadership Course (CLC)                    120 Hours    Grades 10-12                    2.5 Credits**  
**Prerequisite:** JROTC I

An eight-day summer course for students entering their second through fourth year in AFJROTC. Conducted every June at Joint Base McGuire-Dix-Lakehurst, NJ, it is a compilation of academics, physical fitness, drill and ceremonies, and hands-on problem solving. Cadets reside in Ft. Dix dormitories and eat in the dining hall. During the course, cadets fine-tune their leadership and teamwork skills. Cadets are supervised and chaperoned by qualified AFJROTC instructors and volunteers. CLC is a selective and voluntary program.

See instructor for registration details. Students will only be permitted to take this course once for credit.

# SCIENCE

Mrs. Melissa Karas, Supervisor

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|-------------|---|------------------|-------------------|------------------|
| <b>3019</b> | <b>GEOPHYSICAL SCIENCE</b>  | <b>Full Year</b> | <b>Grade 9</b>    | <b>5 Credits</b> |
|             | This laboratory/inquiry-based course will provide students with an introduction to high school science. This is the first in a series of college prep courses that will satisfy requirements for entry into post-secondary education. This course provides a solid foundation of scientific principles that will be applicable to all future science courses. Topics covered include physical science, earth science, geology, and ecology. The development of laboratory techniques and problem-solving skills are stressed.   |                  |                   |                  |
| <b>3018</b> | <b>ADVANCED GEOPHYSICAL SCIENCE</b>   | <b>Full Year</b> | <b>Grade 9</b>    | <b>5 Credits</b> |
|             | <b>Prerequisites:</b> Must be taken concurrently with Advanced Algebra I<br>This is an accelerated laboratory/inquiry-based science course that provides a solid foundation of scientific principles that will be applicable to all future science courses. Topics covered include physical science, earth science, geology, and ecology. The development of laboratory techniques and problem-solving skills are stressed.   |                  |                   |                  |
| <b>3100</b> | <b>BIOLOGY</b>  | <b>Full Year</b> | <b>Grade 10</b>   | <b>6 Credits</b> |
|             | <b>Prerequisites:</b> Geophysical Science and Algebra I<br>This college prep life science course uses an inquiry-based learning approach that connects biology and the student with their community. The course will encompass the following topics: matter and energy, ecosystems, biodiversity and human impact on the biosphere, inheritance, human biology, and evolutionary principles. Hands-on activities and lab investigations are an integral part of this course.  |                  |                   |                  |
| <b>3110</b> | <b>ADVANCED BIOLOGY</b>   | <b>Full Year</b> | <b>Grade 9-10</b> | <b>6 Credits</b> |
|             | <b>Prerequisite:</b> Must be taken concurrently with Advanced Geometry<br>This college prep course will cover the origin, structure, functions, and distribution of organisms. Classroom and laboratory activities will provide an opportunity to acquire an understanding of our environment, problem-solving techniques, and laboratory skills and technology integration. The areas of biochemistry, cells, genetics, environment, and human body systems will be emphasized.  |                  |                   |                  |
| <b>3120</b> | <b>HONORS BIOLOGY</b>   | <b>Full Year</b> | <b>Grade 9</b>    | <b>6 Credits</b> |
|             | <b>Prerequisites:</b> Must be taken concurrently with Honors Geometry<br>This course is designed for students who have a genuine interest in the biological sciences. In biology students investigate the origin, structure, function, and distribution of living organisms. A variety of inquiry-based classroom activities will provide students with opportunities to acquire an understanding of biological concepts, problem-solving techniques, and laboratory skills. The expectations and workload in an honors course are high. This accelerated course will require that a significant amount of work be accomplished outside the confines of the class period. |                  |                   |                  |
| <b>3200</b> | <b>CHEMISTRY</b>  | <b>Full Year</b> | <b>Grades 11</b>  | <b>6 Credits</b> |
|             | <b>Prerequisites:</b> Biology and Algebra I<br>This is a laboratory/inquiry-based college prep course that combines an emphasis on the role chemistry plays in everyone's life with basic chemical knowledge to create a perfect solution. This popular alternative to the traditional chemistry class uses intriguing activities to make students aware of their potential contributions to chemistry-related issues in their community. Students learn and use chemical facts and concepts only when they need them to understand the societal issues being addressed. As a result, their interest in chemistry grows as they discover its real-world applications.     |                  |                   |                  |

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|-------------|--|------------------|---------------------|------------------|
| <b>3210</b> | <b>ADVANCED CHEMISTRY</b><br><b>Prerequisites:</b> Advanced Biology and Advanced Algebra I<br>This inquiry-based college prep course will cover atomic structure, periodic law, chemical bonding, chemical composition, gas laws, the solution process, and acids and bases. The scientific method and problem-solving skills are being stressed. A major part of the course is laboratory work designed to strengthen theoretical concepts.   | <b>Full Year</b> | <b>Grade 11</b>     | <b>6 Credits</b> |
| <b>3220</b> | <b>HONORS CHEMISTRY</b><br><b>Prerequisites:</b> Honors Biology and Honors Algebra II are strongly recommended<br>Honors Chemistry is a demanding college preparatory course geared for students who have demonstrated an aptitude for scientific study and mathematics. Problem-solving skills and critical thinking are being emphasized. A very strong foundation in algebra is required for this course. A major part of the course involves laboratory work. Advanced topics such as oxidation and reduction, equilibrium, and reaction kinetics are studied. The expectations and workload in an honors course are high. This accelerated course will require that a significant amount of work be accomplished outside the confines of the class period.  | <b>Full Year</b> | <b>Grade 10-11</b>  | <b>6 Credits</b> |
| <b>3300</b> | <b>PHYSICS</b><br><b>Prerequisites:</b> Chemistry & Algebra I and concurrently enrolled in or completed Algebra II<br>Did you ever wonder how amusement park rides are designed and how they work? Ever wonder what makes them so thrilling? Through numerous demonstrations, experiments, and class discussions, students will develop an understanding of the forces that affect their lives. The physics of sound, light, motion, electricity, magnetism, and energy will be explored. This laboratory/inquiry-based science course emphasizes problem-solving techniques, logical thinking, and the development of laboratory skills, and is geared toward the college-bound student.  | <b>Full Year</b> | <b>Grades 11-12</b> | <b>6 Credits</b> |
| <b>3310</b> | <b>ADVANCED PHYSICS</b><br><b>Prerequisites:</b> Advanced Chemistry and Advanced Algebra II are strongly recommended<br>This laboratory/inquiry-based science course emphasizes problem solving techniques, logical thinking, and the development of laboratory skills, and is geared toward the college-bound student. Through numerous demonstrations, experiments, and class discussions, students will develop an understanding of the forces that affect their lives. The physics of sound, light, motion, electricity, magnetism, and energy will be explored.   | <b>Full Year</b> | <b>Grades 11-12</b> | <b>6 Credits</b> |
| <b>3140</b> | <b>AP BIOLOGY</b><br><b>Prerequisites:</b> Honors Chemistry and Honors Biology or Advanced Chemistry and Advanced Biology with a grade of 92 or better and teacher recommendation<br>The Advanced Placement Biology course is designed to be the equivalent of a college introductory biology course taken by biology majors during their first year. It provides students the opportunity to prepare for the AP Exam and earn advanced or college credit. The course follows the curriculum recommended by the College Board and covered in most college introductory courses. Students will cover topics including molecules and cells, cell energetics, heredity, molecular genetics, evolution, diversity of organisms, plant and animal physiology, and morphology and ecology. There is a substantial laboratory component to the course offering students the opportunity to become familiar with a variety of advanced laboratory skills and practices. The expectations and workload in an AP course are high. This accelerated course will require that a significant amount of work be accomplished outside the confines of the class period. | <b>Full Year</b> | <b>Grades 11-12</b> | <b>6 Credits</b> |
| <b>3230</b> | <b>AP CHEMISTRY</b><br><b>Prerequisites:</b> Honors Chemistry or Advanced Chemistry with teacher recommendation and Algebra II with a grade of 92 or better<br>This course will go into more detail about topics covered in Honors Chemistry. Topics will include thermochemistry, chemical kinetics, and organic chemistry. Laboratory work will include learning to use a spectrophotometer and the completion of other college-level labs. This course is recommended for any student who has an interest in pursuing a career in biology, chemistry, the medical professions, or engineering. A lab portfolio is one of the course requirements. The expectations and workload in an AP course are high. This accelerated course will require that a significant amount of work be accomplished outside the confines of the class period.  | <b>Full Year</b> | <b>Grades 11-12</b> | <b>6 Credits</b> |



- 3320 AP PHYSICS 1: ALGEBRA-BASED Full Year Grades 11-12 6 Credits**  
**Prerequisite:** Concurrently taking or completed Honors Algebra II  
 AP Physics 1 is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will also introduce electric circuits. This course includes basic use of trigonometric functions and focuses on a series of learning objectives that clarify the knowledge and skills students should demonstrate to qualify for college credit and placement. Each learning objective combines physics content with one or more of seven foundational science practices. The expectations and workload in an AP course are high. This accelerated laboratory/inquiry-based course will require that a significant amount of work be accomplished outside the confines of the class period.
- 3325 AP PHYSICS 2: ALGEBRA-BASED Full Year Grades 11-12 5 Credits**  
**Prerequisite:** AP Physics 1  
 AP Physics 2 is the equivalent of a second-semester college course in algebra-based physics. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: fluids; thermodynamics; electrical force, field, and potential; electric circuits; magnetism and electromagnetic induction; geometric and physical optics; and quantum, atomic, and nuclear physics. This course includes basic use of trigonometric functions and focuses on a series of learning objectives that clarify the knowledge and skills students should demonstrate to qualify for college credit and placement. Each learning objective combines physics content with one or more of seven foundational science practices. The expectations and workload in an AP course are high. This accelerated laboratory/inquiry-based course will require that a significant amount of work be accomplished outside the confines of the class period.
- 3016 ENVIRONMENTAL SCIENCE Full Year Grades 11-12 5 Credits**  
**Prerequisites:** Geophysical Science and Biology  
 This laboratory/inquiry-based course is designed for students who do not necessarily plan to pursue further studies in the field of science but show a strong interest in the environmental and marine sciences. Local and global ecosystems and issues surrounding soil, water, air, and energy conservation will be explored. The course will investigate basic ecological principles and introduce problem-solving techniques through fieldwork and environmental data collection. The course also dives into the history of ocean studies, the physics and chemistry environment, the flora and fauna, and the impact of human interactions with the world of the oceans.
- 3424 MARINE BIOLOGY Full Year Grades 11-12 5 Credits**  
**Prerequisites:** Advanced Biology and Advanced Chemistry  
 This laboratory/inquiry-based college prep course is designed for students who show a strong interest in the marine sciences. This academic elective course focuses on local ecosystems and marine environments, with an emphasis on the fauna and abiotic factors of the marine environment. Through inquiry-based problem-solving students will investigate issues such as overfishing, over nitrification of estuaries, and changes in primary productivity. Students will gather information through remote sensing, data collection, dissections, and simulations. The course also dives into ocean navigation and GPS technology. **Students enrolling in this course may be eligible to earn college credits through our dual credit partnership with Ocean County College.**
- 3426 ANATOMY/PHYSIOLOGY Full Year Grades 11-12 5 Credits**  
**Prerequisites:** Advanced Biology and Advanced Chemistry or Biology and Chemistry with a grade of 92 or higher and teacher recommendation  
 This rigorous, laboratory/inquiry-based course is recommended for any student planning to enter the medical, health, or sports medicine occupations or who has a general interest in their own personal fitness. This course will investigate the human body from a cellular level up through the various organ systems. **Students enrolling in this course may be eligible to earn college credits through our dual credit partnership with Stockton University.**

- 3425 SPORTS MEDICINE** **Full Year** **Grades 11-12** **5 Credits**  
**Prerequisites:** Advanced Biology and Advanced Chemistry or Biology and Chemistry with a grade of 92 or higher and teacher recommendation  
**This course cannot be taken with Anatomy/Physiology due to curricular overlap.**  
 Sports Medicine offers students an introduction to the broad field of sports medicine. In this course, students learn about various medical careers with an emphasis on athletic training. Basic anatomy and physiology will be covered with a primary focus on areas most commonly affected by athletic injuries. Students learn techniques for preventing sport-related injuries; recognition of specific injuries and conditions; and care and rehabilitation of these injuries. Lessons combine observations and research, hands-on experiences, and scenario-based skill practice to maximize student learning.
- 3427 ENGINEERING** **Full Year** **Grades 9-12** **5 Credits**  
 Through hands-on activities and research projects, this course explores five main engineering fields and numerous sub-fields. Students will work with Arduino microprocessors combining software and circuits that light up and make sounds. This course will investigate bridge strength, history, symmetry, and trusses. Students will create tessellations and evaluate material strength and performance for packaging. Students will learn how to measure wind speed, calculate rpm, and determine optimum pitch angles to create a wind farm producing a specified voltage. Students are required to keep a lab book and participate in the design and development of group projects.
- 3150 BARRENS TO BEACHES: LOCAL NEW JERSEY ECOLOGY & SUSTAINABILITY** **Full Year** **Grade 12** **6 Credits**  
**Prerequisites:** Geophysical Science and Biology  
 This field study/inquiry-based course is designed for students who show a strong interest in the Pine Barrens and coastal estuary ecosystems. This course will explore the natural history of the area, its flora and fauna, the important link between soil and water, along with human impact and sustainability. Basic ecological principles along with the opportunity to gain hands-on fieldwork experience exploring local community habitats and environments from the Pine Barrens to the beach. Classroom and laboratory activities will provide an opportunity to acquire an understanding of our environment, problem-solving techniques, and laboratory skills.

# SOCIAL STUDIES

Dr. Richard Falletta, Supervisor

## Student Criteria for Honors/Advanced Placement Social Studies Courses:

In order to ensure that students are programmed for academic success, three criteria will be used for admission into the high school Honors/AP Social Studies program beginning with Honors United States History I. All factors will be considered equally; no single factor will eliminate students from consideration.

1. Students will receive a score that will place them in the top ten percent of all students in a given grade level on a holistically scored writing sample.
2. A recommendation from their current Social Studies teacher.
3. Students must maintain at least an 88 average in their Honors United States History I course and AP United States History II course to be recommended by their teacher to take the AP United States History examination.

**4110 WORLD HISTORY** **Full Year** **Grade 9** **5 Credits**  
World History is the story of human strivings and aspirations in five spheres of activity: social, scientific/technological, economic, religious/philosophical, and political. These five spheres of human activity are interwoven in the real lives of individuals and societies. Students will explore the many and diverse societies that constitute humankind, the long road they have traveled from their earliest beginnings, and the continuing significance of their interactions throughout history and into the modern era. Students are also introduced to career and vocational education.

**4120 ADVANCED WORLD HISTORY** **Full Year** **Grade 9** **5 Credits**  
This course is designed for students who can handle a more rigorous program. Students apply communication and research skills in investigating the cultural, social, spiritual, economic, and political contributions of past civilizations and societies. Similarities and differences between our way of life and that of past generations are explored.

**4130 HONORS WORLD HISTORY** **Full Year** **Grade 9** **5 Credits**  
Honors World History is designed for students who are capable of excelling, academically, both in the classroom and on standardized tests such as Advanced Placement Exams. While studying the story of human history, the students will display an unusually strong ability to express themselves verbally and in written form. Students in this course will possess a love for the study of historical events and cultures. A summer reading assignment is a requirement of this course.

**4210 U.S. HISTORY I** **Full Year** **Grade 10** **5 Credits**  
United States History I is a survey course in American history that begins with the Federalist Era and chronologically develops the growth of our nation through the year 1941. Emphasis in the course is on the political, economic and social aspects of the history of our country. Students are exposed to a variety of skills and techniques from note taking to critical thinking skills and creative thought processes. Students write a series of essays and position papers in order to develop research and expository writing skills.

**4220 ADVANCED U.S. HISTORY I** **Full Year** **Grade 10** **5 Credits**  
Advanced United States History I is a survey course in American history that begins with the Federalist Era and chronologically develops the growth of our nation through the year 1941. Emphasis in the course is on the political, economic, and social aspects of the history of our country. Students are exposed to a variety of skills and techniques including note taking, critical thinking, analysis of source documents, and the writing of position and reaction papers. The requirements for reading comprehension, oral expression and writing skills in this course are designed to prepare students for the academic rigor of a college program.

- 4230 HONORS U.S. HISTORY I Full Year Grade 10 5 Credits**  
Honors United States History I is the first half of a two-year college-level course in American history that begins with the exploration of settlement and chronologically develops the growth of our nation through 1877. Emphasis in the course is on the political, economic, and social, cultural, and intellectual aspects of the history of our country. Students are exposed to a variety of skills and techniques from note taking to critical thinking and creative thought processes. Students will write and research extensively. The expectations and workload in an honors course are high. This accelerated course will require that a significant amount of work be accomplished outside the confines of the class period. A summer reading assignment is a requirement of this course.
- 4310 U.S. HISTORY II Full Year Grade 11 5 Credits**  
United States History II is first a survey in American history that begins with 1942, the start of the Cold War, and chronologically develops the political, economic and social growth of our nation to the end of the Cold War and the present day. In addition, emphasis is placed on a thorough understanding of the Constitution of the United States and the makeup and functions of our government. The role of the government in our daily lives is given careful attention and students address contemporary issues through the processes of research, essay writing, critical thinking skills and creative problem solving.
- 4320 ADVANCED U.S. HISTORY II Full Year Grade 11 5 Credits**  
**Prerequisites:** Advanced U.S. History I and/or teacher recommendation  
Advanced United States History II is a survey in American history that begins with the prelude to World War II era and chronologically develops the political, economic, and social growth of our nation through the end of the Cold War and the present day. In addition, emphasis is placed on a thorough understanding of the Constitution of the United States and the makeup and functions of our government. The role of the government in our daily lives is given careful attention and students address contemporary issues through the processes of research, essay writing, critical thinking skills and creative problem solving. Extensive use is made of source documents and other materials that will be intellectually challenging. The requirements for reading, oral expression and writing are designed to prepare students for the academic rigor of a college program.
- 4330 AP U.S. HISTORY II Full Year Grade 11 5 Credits**  
**Prerequisites:** Honors U.S. History I and teacher/supervisor recommendation  
AP United States History II represents the second half of a college-level survey course in American history that intensely recaps the material presented in Honors U.S. History I, begins with post-reconstruction, and progresses through to the present day. Students are exposed to a variety of skills and techniques from note taking to critical thinking and creative thought processes. The course is designed for highly motivated students who are willing to challenge themselves. Students enrolled in this course have the opportunity to prepare for the Advanced Placement Exam and potentially earn college credit. Multiple summer reading assignments are required. **Students enrolling in this course may be eligible to earn college credits through our dual credit partnership with Stockton University.**
- 4400 AP U.S. GOVERNMENT & POLITICS Full Year Grades 11-12 5 Credits**  
**Prerequisite:** Advanced or Honors U.S. History I  
This course is designed to give students an analytical perspective on government and politics in the United States. The course involves the study of general concepts used to interpret United States politics and the analysis of specific case studies. Students will be exposed to a variety of skills and creative thought processes. The course is designed around simulation activities and extensive writing. This course is intended for students who have completed U.S. History I and AP U.S. History II and have an interest in national politics. Students enrolled in this course have the opportunity to prepare for the Advanced Placement Exam and potentially earn college credit. Multiple summer reading assignments are required.

- 4410 AP COMPARATIVE GOVERNMENT & POLITICS** **Full Year** **Grade 12** **5 Credits**  
**Prerequisite:** Advanced U.S. History II or AP U.S. History II  
 Drug Cartels. Covid-19. Nuclear Weapons. Brexit. Vladimir Putin. This college-level course will explore these topics and many others through a comparative examination of the nations of China, the United Kingdom, Iran, Russia, Mexico, and Nigeria. Designed for students interested in global politics and affairs, AP Comparative Government & Politics prepares students for advanced comparative political science coursework and to be active and informed about politics abroad. Students enrich their understanding of comparative government and politics through debate, discussion, and analysis as they explore important topics like power and authority, legitimacy and stability, and democratization. Students enrolled in this course have the opportunity to prepare for the Advanced Placement Exam and potentially earn college credit.
- 4420 AP EUROPEAN HISTORY** **Full Year** **Grades 11-12** **5 credits**  
**Prerequisite:** Advanced, Honors, or AP history course  
 This course is offered as an equivalent to an introductory European history college course. The study of European history since 1450 introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. In addition to providing a basic narrative of events and movements, the goals of AP European History are to develop (a) an understanding of some of the principal themes in modern European history, (b) an ability to analyze historical evidence and historical interpretation, and (c) an ability to express historical understanding in writing. The course is designed for highly motivated students who are willing to challenge themselves. Students enrolled in this course have the opportunity to prepare for the Advanced Placement Exam and potentially earn college credit. Multiple summer reading assignments are required.
- 4505 UNITED STATES LAW AND SOCIETY** **Full Year** **Grades 11-12** **5 Credits**  
 United States Law and Society is an elective course that engages students in an exploration of United States law and its role in their lives. Students will analyze legal issues and problems and think critically to develop their own solutions and understand the legal process. Legal institutions, United States legal history, law and public policy, law and social structure and the law and ethics will be explored. Students will also actively participate in the process of law through a variety of exercises.
- 4516 CRITICAL ISSUES IN SOCIOLOGY AND HUMAN BEHAVIOR** **Full Year** **Grades 11-12** **5 Credits**  
 Students taking this course will study the culture and values of various groups in society. Additionally, the students will receive a broad view of the field of psychology. Students will explore the individual with respect to their personality and their collective behavior. Such topics as human development and social systems as well as topics dealing with group and individual social problems will be discussed.
- 4517 AP PSYCHOLOGY** **Full Year** **Grade 11-12** **5 Credits**  
**Prerequisite:** Advanced, Honors, or AP history course  
 This course is offered as an equivalent to an introductory psychology college course. The course will introduce students to the scientific study of human behavior and mental processes. Areas of study include history, research methods and ethics, biological bases of behavior, sensation and perception, memory, altered states of consciousness, behavior analysis, cognitive processes and intelligence assessment, motivation, stress, personality, abnormal disorders and treatment, and social relationships. The expectations and workload in this course are demanding. This accelerated course will require that a significant amount of work be completed outside the class period. Students enrolled in this course have the opportunity to prepare for the Advanced Placement Exam and potentially earn college credit.

**4518 ECONOMICS** **Full Year** **Grade 12** **5 Credits**  
Economics is an elective course that will provide students with an understanding of the principles and applications of microeconomics and macroeconomics. Microeconomics focuses on the behavior of individual households and firms within the larger economic system. Topics will include market competition, resource allocation, game theory and life skills pertaining to loans and investments. Macroeconomics focuses on the ideas that apply to the whole economic system. Students will explore concepts such as national income, inflation, labor markets and gain a comprehensive understanding of monetary and fiscal policy in the context of a global economy. The methods and tools of economic analysis will be introduced and applied to current economic policies. This course meets the State graduation requirement for Financial Literacy.

**4520 AP MICROECONOMICS** **Full Year** **Grade 12** **5 Credits**  
AP Microeconomics is a college-level course that introduces students to the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. AP Microeconomics is equivalent to a one-semester introductory college course in economics. Students enrolled in this course have the opportunity to prepare for the Advanced Placement Exam and potentially earn college credit. This course meets the State graduation requirement for Financial Literacy.

# SPECIAL EDUCATION

Mr. Jonathan White, Supervisor

Individual education programs for students eligible for special education services take many forms and include both in-district and out-of-district programs. At Southern Regional High School, several special education programs are available: **In-Class Resource**, **Pull-out Resource Center**, and **Self-Contained Classes** as well as the **Compass** alternative program. These programs are designed to meet the needs of those students who, due to an educational disability, have difficulty in a traditional class setting. Alternative methods and materials are used in order to encourage success, both academically and socially.

## In-Class Resource Program

The In-Class Resource Program provides students with the opportunity for a special education teacher to work cooperatively with a content area teacher in a mainstream class setting. The special education teacher assists with the development and delivery of the curriculum to all students within the class.

## Resource Center

When the need is identified by the Individualized Education Plan (IEP) Team, a student may take an academic subject in a resource center where instruction is individualized, and class size is limited. Instruction provided follows the curriculum and New Jersey Student Learning Standards required in the corresponding mainstream course.

Subject	Course #	Course Description	Length	Grade	Credits
<b>ENGLISH</b>	9011	English I	Full Year	9	5
	9012	English II	Full Year	10	5
	9013	English III	Full Year	11	5
	9014	English IV	Full Year	12	5
<b>SOCIAL STUDIES</b>	9040	World History	Full Year	9	5
	9042	US History I	Full Year	10	5
	9043	US History II	Full Year	11	5
<b>MATH</b>	9022	Algebra I	Full Year	9	5
	9025	Geometry	Full Year	10	5
	9026	Algebra II	Full Year	11	5
	9029	Practical Math	Full Year	12	5
<b>SCIENCE</b>	9030	Geophysical Science	Full Year	9	5
	9033	Biology	Full Year	10	5
	9034	Environmental Science	Full Year	11	5
<b>HEALTH</b>	9055	Health 9	1 Quarter	9	1.25
	9056	Drivers Ed	1 Quarter	10	1.25
	9057	Health 11	1 Quarter	11	1.25
	9058	Health 12	1 Quarter	12	1.25

# TELEVISION PRODUCTION

Mr. Joseph Medica, Supervisor

- 1652 INTRODUCTION TO TV PRODUCTION Full Year Grades 9-12 5 Credits**  
This entry-level course teaches students the basic techniques of television production. Technical and communication skills are emphasized for successful broadcast performance related to the television industry. Students learn production equipment, the art of visual storytelling, multi-camera set ups, and the script writing process in order to foster an individual shooting style.
- 1662 INTERMEDIATE TV PRODUCTION Full Year Grades 10-12 5 Credits**  
**Prerequisite:** Introduction to TV Production  
This second level course focuses on news and studio production. Students will concentrate on creating a news broadcast style, interviewing techniques, studio crew positions, three-point lighting systems, studio lighting, and writing for news. Students will work in a studio setting as well as live and recorded field productions.
- 1675 SPORTS BROADCASTING Full Year Grades 10-12 5 Credits**  
This course examines sports media as it pertains to broadcasting, the internet, and their impact on sports. Students learn the fundamental components of sports media such as writing game reports and feature stories for broadcast, active voice, internet streaming, shooting on location, anchoring and play-by-play, and production of the various forms of sports programs. This course offers students an opportunity to apply knowledge and skills to sports media activities utilizing the high school athletic program as the main media source.
- 1671 NEWS BROADCASTING Full Year Grades 11-12 5 Credits**  
**Prerequisite:** Intermediate TV Production  
This course builds on the broadcast skills learned in the introduction and intermediate classes. News broadcasting will be practiced as the students work together under tight time constraints and production deadlines creating content for the daily announcements and for Channel 21. Students will focus on covering all aspects of news productions including writing for news, live studio reports, field report, guest interviews, and special features. **Students enrolling in this course may be eligible to earn college credits through our dual credit partnership with Stockton University.**
- 1672 ADVANCED FILM MAKING Full Year Grades 11-12 5 Credits**  
**Prerequisite:** Intermediate TV Production  
This course builds on the film making skills learned in the introduction and intermediate classes. Advanced Film Making introduces new advanced techniques in directing, producing, casting, screenwriting, lighting techniques, sound recording, methods of color grading, Adobe After Effects, and new emerging technology. Students focus on mastering these film concepts through the creative storytelling process.



# WORLD LANGUAGES

Mrs. Susan Craig, Supervisor

All students must earn five credits in world language to fulfill the State mandated graduation requirement. All of the following world language courses meet this requirement. It is highly recommended that students complete a world language course in ninth grade. Students may choose from French, German, Japanese, Latin, or Spanish. The fourth and fifth levels of the language program are honors courses. All courses will focus on developing communicative proficiency, as well as enhancing cultural knowledge and understanding.

- |             |   |                  |                     |                  |
|-------------|---|------------------|---------------------|------------------|
| <b>5110</b> | <b>FRENCH I</b>   | <b>Full Year</b> | <b>Grades 9-12</b>  | <b>5 Credits</b> |
|             | <p>In this course, students will have the opportunity to explore France, the French language, and the French culture through a variety of student-centered activities. They will work on their listening, speaking, reading, and writing skills. Interpersonal, interpretive, and presentational skills will be developed. Students will communicate frequently with partners or groups in French and they will utilize technology and music to assist in their linguistic acquisition. Students will learn how to ask and answer questions about likes and dislikes, hobbies, and sports. Additionally, students will learn about school life in France and how it compares to American school life. Students will be able to order food in French restaurants, shop for clothing in French stores, and describe their families and friends. At the end of each thematic unit, the students will participate in a performance assessment. Throughout the year, students will participate in French celebrations.</p>   |                  |                     |                  |
| <b>5120</b> | <b>FRENCH II</b>  | <b>Full Year</b> | <b>Grades 10-12</b> | <b>5 Credits</b> |
|             | <p><b>Prerequisite:</b> French I</p> <p>Students continue to develop communication skills in French. Through partner and group activities, songs, dances and games, students will learn to speak French. Students will study Paris and learn about the famous monuments and Parisian attractions. They will learn house and hotel vocabulary needed for any international travel. Each student will create a children's book to talk about their daily routines. They also will have the opportunity to use digital media to record conversations, create PowerPoints and movies to bring the French language to life.</p>  |                  |                     |                  |
| <b>5130</b> | <b>FRENCH III</b>   | <b>Full Year</b> | <b>Grades 11-12</b> | <b>5 Credits</b> |
|             | <p><b>Prerequisites:</b> French II with an 83 or better and teacher recommendation</p> <p>This course focuses on the use of language for active communication during in-class conversations, question and answer sessions, and paired activities. Students will learn about foods and create a home cooking video. They also will learn about health and fitness and participate in a French workout. Students will learn about traveling by plane, train, and subway and will be able to navigate easily through a city. While doing this, they will compare New York City to Paris to learn about their similarities and differences. <b>Students enrolling in this course may be eligible to earn college credits through our dual credit partnership with Stockton University.</b></p>  |                  |                     |                  |
| <b>5140</b> | <b>HONORS FRENCH IV</b>   | <b>Full Year</b> | <b>Grade 12</b>     | <b>5 Credits</b> |
|             | <p><b>Prerequisites:</b> French III with an 85 or better and teacher recommendation</p> <p>This course continues to foster more advanced communication as students experience the French language and culture in greater depth. PowerPoint presentations and YouTube videos enable students to experience the language and culture first-hand. Students will narrate stories using picture prompts and keep a journal of everyday activities. The African culture will be explored while reading a book about an African exchange student. Each student will make an African dish to serve at our traditional and culturally authentic African meal. Students will also study Martinique and explore this country's tourist attractions. The use of digital media will enhance students' knowledge and understanding in addition to enhancing their skills. They will record conversations and create PowerPoints and movies to bring the French language to life. <b>Students enrolling in this course may be eligible to earn college credits through our dual credit partnership with Stockton University.</b></p> |                  |                     |                  |

- 5210 GERMAN I** **Full Year** **Grades 9-12** **5 Credits**  
Do you want to prepare for living and working in a global society? Then this class is for you. Classroom instruction is designed to encourage communication and comprehension in German through authentic role play and fun, interactive, computer-based projects. Students will be emerged in German in a contemporary cultural context celebrating Oktoberfest, Nikolaustag, and German food tasting.
- 5220 GERMAN II** **Full Year** **Grades 10-12** **5 Credits**  
**Prerequisite:** German I  
In German II students will build on the German language skills acquired in German I. Using a multitude of instructional and technological skills, they will prepare and present with their classmates an authentic German cooking show, a video that gives directions to SRHS to a German exchange student, and develop their critical thinking skills, appreciation, and understanding of current trends and culture through watching and listening to popular German movies and music.
- 5230 GERMAN III** **Full Year** **Grades 11-12** **5 Credits**  
**Prerequisites:** German II with an 83 or better and teacher recommendation  
In German III students will use the language, writing, teaching, and technology skills acquired in levels I and II in new and exciting ways. For instance, they will prepare and present with their classmates a German fairy tale, record and edit a mock video of a routine doctor visit and fill out an application to a German university. Plus, students will continue to develop critical thinking skills by studying and analyzing the German culture and political system. **Students enrolling in this course may be eligible to earn college credits through our dual credit partnership with Stockton University.**
- 5240 HONORS GERMAN IV** **Full Year** **Grade 12** **5 Credits**  
**Prerequisites:** German III with an 85 or better and teacher recommendation  
Success in a global economy and community goes hand-in-hand with communicating in a foreign language. Germany is an economic powerhouse, recognized and respected in the international business world. It is also a world leader in architecture, engineering, finance, and the medical and biological sciences. This academic elective course is designed to continue to prepare students for living and working in a global society, while building on the skills acquired in previous German levels. Classroom instruction is designed to not only encourage communication and comprehension in German, but also to gain an understanding and appreciation of Germany's economic success. Classroom instruction includes working with thematic, organized units in collaboration with educational and interactive, computer-based projects. Students will immerse themselves in German in a contemporary cultural context and discover Germany's famous cities, universities, famous people, etc. **Students enrolling in this course may be eligible to earn college credits through our dual credit partnership with Stockton University.**
- 5310 JAPANESE I** **Full Year** **Grades 9-12** **5 Credits**  
This course introduces both the Japanese language and culture. Students will learn to read and write the hiragana and katakana scripts, as well as 50 kanji (Chinese characters). Useful expressions and basic sentence structures will be practiced, with stress placed on proper pronunciation and practical interaction. Traditional and current Japanese culture will be examined through various means, such as reading (in English) and other video experiences and virtual field trips. The course will also look at mutual Japanese and American stereotypes, and how they may impact effective communication.
- 5320 JAPANESE II** **Full Year** **Grades 10-12** **5 Credits**  
**Prerequisite:** Japanese I  
In the second year of the sequence, students will practice grammatical structures and vocabulary in both the written and spoken language. An additional 60 kanji will be learned, with further practice in reading and writing hiragana and katakana. Further insights into Japanese culture will be gained through similar means as in Japanese I.

- 5330 JAPANESE III** **Full Year** **Grades 11-12** **5 Credits**  
**Prerequisites:** Japanese II with an 83 or better and teacher recommendation  
 At this level students will be able to access a variety of selected original documents, such as haiku, manga, advertisements, and manuals, for translation of both artistic and practical materials. A further 60 kanji will be studied, as will more advanced sentence structures. Students will continue to study various aspects East Asian cultures and they will gain a better understanding of East Asian thought and values. This course may be combined with other levels because of enrollment.
- 5340 HONORS JAPANESE IV** **Full Year** **Grade 12** **5 Credits**  
**Prerequisites:** Japanese III with an 85 or better and teacher recommendation  
 Students will be able to write short letters and postcards to students at our sister school in Japan. Readings of greater length and sophistication will also be possible. Socially appreciated use of the spoken language will continue to be stressed, using both plain and honorific forms. This course may be combined with other levels because of enrollment. The expectations and workload in an honors course are high. This accelerated course will require that a significant amount of work be accomplished outside the confines of the class period.
- 5410 LATIN I** **Full Year** **Grades 9-12** **5 Credits**  
 Who says Latin is a dead language? Only a barbarian, that's who! Over 60% of the English language comes from Latin, and many Latin words and phrases are still used in the legal and medical professions. Learning Latin increases your English vocabulary, helping you to perform better on the SAT. Spoken by the Romans for over a thousand years, Latin opens the door to learning about their fascinating culture which continues to impact our lives today. In Latin I, you will develop a basic literacy level in Latin while learning about the Romans and increasing your knowledge of English.
- 5420 LATIN II** **Full Year** **Grades 10-12** **5 Credits**  
**Prerequisite:** Latin I  
 In this course, students will expand their skills as readers and appreciators of Latin. Primary texts from Roman authors are increasingly interwoven into the *Ecce Rōmānī* stories about the Corneliī family which help open the door into the world of the Romans. Students will learn how to read increasingly complex Latin sentences. Students will also learn about the expansion of the Roman Empire throughout the Mediterranean world.
- 5430 LATIN III** **Full Year** **Grades 11-12** **5 Credits**  
**Prerequisites:** Latin II with an 83 or better and teacher recommendation  
 Moving onward and upward, we increase the frequency of our primary texts until, by the 4<sup>th</sup> marking period, we are reading exclusively authentic Latin. Special attention is given to the work of the 4<sup>th</sup> century A.D. historian Eutropius Principate. Here students begin to be introduced to the literary devices and techniques that abound in the literature of the classics. As many of these devices and techniques are still used in modern languages, additional skill is acquired in reading and comprehension in literary criticism. **Students enrolling in this course may be eligible to earn college credits through our dual credit partnership with Stockton University.**
- 5440 HONORS LATIN IV** **Full Year** **Grade 12** **5 Credits**  
**Prerequisites:** Latin III with an 85 or better and teacher recommendation  
 The capstone course of the Latin curriculum, this year is split into two sections. The first semester focuses squarely on various authors of Latin prose and poetry, including, but not limited to: Cicero, Caesar, Catullus, Ovid, Horace, and Augustus. The second semester is an in-depth study of the crowning masterpiece of Latin literature: Vergil's *Aeneid*. In addition to reading passages from the *Aeneid* in Latin, students will also read the entirety of the poem in English verse translation. Special attention will be given to the historical and cultural circumstances of the author and his era, and the impact of this literature on later authors and, indeed, civilizations. **Students enrolling in this course may be eligible to earn college credits through our dual credit partnership with Stockton University.**

- 5500 SPANISH FOR COMMUNICATION Full Year Grades 9-10 5 Credits**  
 The focus of this course is for students to acquire novice language skills for active interpersonal communication. Students will learn about various cultural topics and begin to compare their world to that of other world language cultures thus gaining insight into the global community. Thematic units, stories, and projects integrating technology will present students with vocabulary and language needed to begin basic communication with non-English speakers. Spanish for Communication is for those students who do not wish to pursue further language study. This course satisfies the 5 credit New Jersey world language high school graduation requirement.
- 5510 SPANISH I Full Year Grades 9-12 5 Credits**  
 Spanish I is an introductory course designed to give the student a broad understanding of the Spanish language and Hispanic culture. Vocabulary and language structures will be emphasized using the three modes of communication (interpretive, interpersonal, and presentational). To develop proficiency in both comprehending and communicating in the language, the class will be conducted mostly in Spanish. All students are required to maintain a language notebook and to be active speakers of Spanish as they participate individually, in pairs, and while working in cooperative learning groups. Upon completion of this course, a student should have acquired enough language to function at a novice mid-level of proficiency.
- 5520 SPANISH II Full Year Grades 9-12 5 Credits**  
**Prerequisite:** Spanish I  
 During the second year of the program, students continue to develop and enhance their communication skills through the study of themes in Spanish and Hispanic cultures. Students acquire additional vocabulary and language structures so that they can orally communicate and participate in classroom activities. A greater emphasis is placed on reading and writing. Both teachers and students will be using Spanish to communicate and actively participate in the class. Upon completion of this course a student should have acquired enough language to function at a novice high-level of proficiency.
- 5530 SPANISH III Full Year Grades 10-12 5 Credits**  
**Prerequisites:** Spanish II with an 83 or better and teacher recommendation  
 Level III students continue to develop and refine their communication skills. Finer grammatical points and idiomatic expressions of the language are infused into the course of study. Through compositions and readings, students further their understanding of contemporary Hispanic life and culture. An increased emphasis on compositional writing is included. Both teachers and students will be using Spanish to communicate and actively participate in the class. Upon completion of this course a student should have acquired enough language to function at a novice high-level of proficiency. **Students enrolling in this course may be eligible to earn college credits through our dual credit partnership with Stockton University.**
- 5540 HONORS SPANISH IV Full Year Grades 11-12 5 Credits**  
**Prerequisites:** Spanish III with an 85 or better and teacher recommendation  
 The refinement of communication skills remains the emphasis in level IV. Students learn of the contributions of contemporary, as well as historical figures, from the Spanish-speaking world in the fields of art, literature, music, science, math, economics, trade, and politics. They are expected to relate current economic, cultural, political, geographical, and environmental aspects of Spanish-speaking countries to their current studies in social studies, English and other areas of the curriculum. Students are required to assemble a portfolio with their work from throughout the year, which shows their proficiency in Spanish and their understanding of the Spanish culture both at home and abroad. The expectations and workload in an honors course are high. This accelerated course will require that a significant amount of work be accomplished outside the confines of the class period. **Students enrolling in this course may be eligible to earn college credits through our dual credit partnership with Stockton University.**

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| <b>5550</b> | <b>AP SPANISH LANGUAGE</b> | <b>Full Year</b> | <b>Grade 12</b> | <b>5 Credits</b> |
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- Prerequisites:** Honors Spanish IV with an 85 average and teacher recommendation  
This rigorous course is designed for students who wish to further refine all communicative skills. Students will learn more difficult vocabulary and grammatical constructions, which enable them to understand Spanish in various contexts, read and interpret literary texts, and express themselves in a more sophisticated spoken and written form. The expectations and workload in an AP course are high. This accelerated course will require that a significant amount of work be accomplished outside the confines of the class period. Students enrolled in this course have the opportunity to prepare for the Advanced Placement Exam and potentially earn college credit.
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| <b>5570</b> | <b>HERITAGE SPANISH</b> | <b>Full Year</b> | <b>Grades 9-12</b> | <b>5 Credits</b> |
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- This course is designed for students already fluent in Spanish. The goal is to improve communication through the development of academic language skills. Identity and cultural heritage topics will be explored through the study of authentic literary selections. Improving oral and literacy skills in Spanish will also serve to enhance literacy development in English.
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| <b>5580</b> | <b>HERITAGE SPANISH II</b> | <b>Full Year</b> | <b>Grades 10-12</b> | <b>5 Credits</b> |
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- Prerequisite:** Heritage Spanish I  
This course is designed for students with an Intermediate or Advanced proficiency level within the different modes. The goal is to improve communication through the development of academic language skills. Speaking, reading, listening, and writing skills are focused upon in greater depth and breadth with connections to the English curriculum goals. Identity and cultural heritage topics will be explored through the study of authentic literary selections. Students will connect their learning to the community, their heritage and explore the relationship between language, community, and future careers. Students will interact and communicate with others while gaining an understanding of and respect for the cultural perspectives, practices, and products of different cultures.