

**PROGRAM OF STUDIES**



**SOUTHERN REGIONAL  
HIGH SCHOOL**

**2018-2019**

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# SOUTHERN REGIONAL HIGH SCHOOL DISTRICT

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| Jody McLennan             | E-G & ESL       | 4326        |
| Jacki Hemenway            | H-K             | 4323        |
| Heather Henry             | L – M*          | 4321        |
| Russell Short             | N-Rn            | 4462        |
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Cover design by Cayla Dean.

Cayla's design was selected as the winner of the Advanced Photographics Cover Design Contest.



## **SOUTHERN REGIONAL SCHOOL DISTRICT OF OCEAN COUNTY**

Dear Student,

The 2018-2019 Program of Studies is a valuable resource to the students of Southern Regional High School. The Program of Studies 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. We encourage you to be thoughtful about each selection. Southern Regional provides a diverse academic program. Please take the time to carefully review the courses that are available to you. Your guidance counselor is available to assist you with academic planning. If you have questions about prospective courses, please seek information from the teachers, counselors, and administrators. We all want to be part of the process of planning the best course schedule for your upcoming academic year.

Sincerely,

Eric Wilhelm, 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, which 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 Algebra II)   | 4 years of mathematics is preferred for many colleges and may be required  |
| <b>Science</b>                         | 3 years (15 credits) including Biology or Life Science, Chemistry, Env. Science or Physics AND a third lab science course | 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 and careers, or career-technical education                            | See page 6 for a list of courses that meet this requirement  |
| <b>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                                     | Students may complete the online Money Skills course OR they may complete one of the following courses: <ul style="list-style-type: none"> <li>• Entrepreneurship</li> <li>• Topics in Business</li> <li>• Life 101</li> <li>• Practical Math &amp; Personal Finance</li> <li>• Economics</li> </ul> |

## STANDARDIZED TESTING REQUIREMENTS FOR GRADUATION

Students enrolled in the following courses must participate in the Partnership for the Assessment of Readiness for College and Careers (PARCC):

English Language Arts (ELA) – grades 9, 10, and 11  
 Mathematics – Algebra I, Geometry, and Algebra II

### Class of 2019

In order to graduate, students in the Class of 2019 will be required to demonstrate proficiency in both English Language Arts and Mathematics in at least one of the following ways:

| English Language Arts   | Mathematics  |
|---|--|
| PARCC ELA Grade 9 $\geq$ 750 (Level 4) <i>or</i>  | PARCC Algebra I $\geq$ 750 (Level 4) <i>or</i>                         |
| PARCC ELA Grade 10 $\geq$ 750 (Level 4) <i>or</i>   | PARCC Geometry $\geq$ 725 (Level 3) <i>or</i>                          |
| PARCC ELA Grade 11 $\geq$ 725 (Level 3) <i>or</i>   | PARCC Algebra II $\geq$ 725 (Level 3) <i>or</i>                        |
| Prior to 3/1/16 SAT Critical Reading $\geq$ 400 <i>or</i>   | Prior to 3/1/16 SAT Math $\geq$ 400 <i>or</i>                          |
| 3/1/16 or later SAT Evidence-Based Reading and Writing Section $\geq$ 450 OR SAT Reading Test $\geq$ 22 | 3/1/16 or later SAT Math Section $\geq$ 440 OR SAT Math Test $\geq$ 22 |
| ACT Reading or ACT PLAN Reading $\geq$ 16 <i>or</i>   | ACT or ACT PLAN Math $\geq$ 16 <i>or</i>                               |
| Accuplacer Write Placer $\geq$ 6 <i>or</i>  | Accuplacer Elementary Algebra $\geq$ 76 <i>or</i>                      |
| Accuplacer Write Placer ESL $\geq$ 4 <i>or</i>  |  |
| PSAT10 Reading or PSAT-NMSQT Reading* $\geq$ 40 <i>or</i>   | PSAT10 Math or PSAT/NMSQT Math* $\geq$ 40 <i>or</i>                    |
| PSAT10 Reading or PSAT/NMSQT Reading** $\geq$ 22 <i>or</i>  | PSAT10 Math or PSAT/NMSQT Math** $\geq$ 22 <i>or</i>                   |
| ACT Aspire Reading $\geq$ 422 <i>or</i>   | ACT Aspire Math $\geq$ 422 <i>or</i>                                   |
| ASVAB-AFQT Composite $\geq$ 31 <i>or</i>  | ASVAB-AFQT Composite $\geq$ 31 <i>or</i>                               |
| Meet the Criteria of the NJDOE Portfolio Appeal   | Meet the Criteria of the NJDOE Portfolio Appeal                        |

Note: \* PSAT taken prior to October 2015; \*\* PSAT taken after to October 2015.

### Class of 2020

The Class of 2020 must take **all end-of-course PARCC assessments for which they are eligible.** If they do not meet the minimum test score listed above, they may demonstrate proficiency through the alternative assessments listed in the chart above.

### Class of 2021 and beyond

The Class of 2021 and beyond must take **all end-of-course PARCC assessments for which they are eligible.** Students who have not demonstrated proficiency on the **ELA 10 and Algebra 1** PARCC assessments, can demonstrate graduation assessment proficiency by meeting the criteria of the portfolio appeals process.

### Science Assessment

All students must take a standardized science assessment in order to graduate. Students have taken either the New Jersey Biology Competency Test (NJBCT) or will take the New Jersey Student Learning Assessment – Science (NJSLA-S).

## 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><br>(20 credits)                         | _____<br>(Required) | _____<br>(Required)       | _____<br>(Required) | _____<br>(Required) |
| <b>Mathematics</b><br>(15 credits)                     | _____<br>(Required) | _____<br>(Required)       | _____<br>(Required) |                     |
| <b>Science</b><br>(15 credits)                         | _____<br>(Required) | _____<br>(Required)       | _____<br>(Required) |                     |
| <b>Social Studies</b><br>(15 credits)                  | _____<br>(Required) | _____<br>(Required)       | _____<br>(Required) |                     |
| <b>World Language</b><br>(5 credits)                   | _____<br>(Required) |                           |                     |                     |
| <b>Physical Education &amp; Health</b><br>(20 credits) | PE 9<br>Health 9    | PE 10<br>Driver Education | PE 11<br>Health 11  | PE 12<br>Health 12  |
| <b>Practical Art</b><br>(5 credits)                    |                     |                           |                     |                     |
| <b>Performing Art</b><br>(5 credits)                   |                     |                           |                     |                     |
| <b>Financial Literacy</b><br>(2.5 credits)             |                     |                           |                     |                     |
| <b>Electives</b>                                       |                     |                           |                     |                     |
| <b>Total Credits</b><br>(35 credits)                   | ____ credits        | ____ credits              | ____ credits        | ____ credits        |
| <b>Cumulative Credits</b><br>(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 | 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 Lang    |
| 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 Geophysical   | Advanced Biology      | Advanced Chemistry     | Advanced Physics        |
| 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              | 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. Senior Ocean County Jump Start students 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 selection sheet and return it to the guidance office 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 their teachers and/or counselors if they have any questions 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. Students will be reassigned to the same grade level homeroom and lunch for the upcoming year.

## 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 graduation requirement.

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

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

The following courses will fulfill the 5 credit graduation requirement.

|   |                               |
|---|-------------------------------|
| AP Psychology                                       | Journalism                    |
| Architectural Drawing                               | Life 101                      |
| Auto Mechanics (all levels)                         | Metalwork (both levels)       |
| Child Development (all levels)                      | Music Theory (both levels)    |
| Clothing Construction & Fashion Studio (all levels) | Microsoft Office              |
| Computer Assisted Design (both levels)              | Nutrition                     |
| Creative Baking                                     | Photographics (both levels)   |
| Communication Concepts: Speech & Writing            | Power Mechanics (both levels) |
| Critical Issues in Sociology                        | ROTC                          |
| Culinary Arts                                       | Sports Medicine               |
| Digital Technologies                                | Tomorrow's Teacher            |
| Economics   | Topics in Business            |
| Entrepreneurship                                    | TV Production (all levels)    |
| Fundamental Foods                                   | United States Law and Society |
| Global Foods  | Vocational School             |
| How to Fix Darn Near Anything                       | Woodworking (all levels)      |
| Introduction to Computer Programming                | Yearbook                      |

## **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.
- Southern Regional offers Option II to fulfill some requirements for graduation in the State of New Jersey.

## 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 your final transcript reflect numeric grades. The following grade equivalents apply:

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

\*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.

|                 |                             |
|-----------------|-----------------------------|
| High Honor Roll | 92 or better in every class |
| Honor Roll      | 83 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 Statistics                 | Honors Geometry                |
| AP Calculus I       | AP Studio Art                 | Honors German IV               |
| AP Calculus II      | AP U.S. Government & Politics | Honors Japanese IV             |
| AP Chemistry        | AP United States History II   | Honors Latin IV                |
| AP English III      | Honors Algebra II             | Honors Select Choir            |
| AP English IV       | Honors Biology                | Honors Spanish IV              |
| AP European History | Honors Chemistry              | Honors Trig/Pre-Calculus       |
| AP Music Theory     | Honors English I              | Honors United States History I |
| AP Physics I        | Honors English II             | Honors Wind Ensemble           |
| AP Psychology       | Honors English III            | Honors World History           |
| AP Spanish Language | Honors French IV              |                                |

For students in the Class of 2019, grade point averages and class rank will be calculated using the following weighted factor index.

|  |                               |                                 |
|--|-------------------------------|---------------------------------|
| <b>Honors Courses</b>  | Passing Grades (70 and above) | Multiply numeric grade by 1.13* |
| <b>AP Courses</b>  | Passing Grades (70 and above) | Multiply numeric grade by 1.13* |
| <i>*No weight will be given for failing grades (69 and below) in AP or Honors Courses.</i> |                               |                                 |

For the students in the Class of 2020 and beyond, grade point averages and 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 college and university 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 grade reports are sent in early July to each student's home address, school, and upon request to selected colleges.

Southern offers the following AP courses:

|                                       |  |                               |
|---------------------------------------|--|-------------------------------|
| AP Biology                            | AP English IV Literature & Composition | AP Spanish Language           |
| AP Calculus I                         | AP European History                    | AP Statistics                 |
| AP Calculus II                        | AP Music Theory                        | AP Studio Art                 |
| AP Chemistry                          | AP Physics I                           | AP U.S. Government & Politics |
| AP English III Language & Composition | AP Psychology                          | AP United States History II   |

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.

## DISTINGUISHED SCHOLAR PROGRAM

### Requirements:

- Four years of Honors/AP English
- Three years of the same world language (including level 4 or higher)
- Three or more years of Honors/AP science
- Honors United States History I **and** AP United States History II
- AP U.S. Government & Politics **or** AP Psychology **or** AP European History
- Three or more years of Honors/AP math (including Trigonometry & Pre-Calculus)
- A total of at least 135 credits

Students must earn an overall grade point average of 90. Students who fail any course will not be eligible for the Distinguished Scholar Program. Qualifying students will be recognized at graduation.

## CO-CURRICULAR ELIGIBILITY

Student 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

A dual credit program allows students **the option** of signing up in advance and receiving both high school and college credits for the same course.

### Courses

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

|                                    |                     |                   |
|------------------------------------|---------------------|-------------------|
| Honors Trigonometry & Pre-Calculus | German III          | Honors Latin IV   |
| AP Calculus                        | Honors German IV    | Spanish III       |
| French III                         | Latin III           | Honors Spanish IV |
| Honors French IV                   | Tomorrow's Teachers |                   |

### Cost

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

### 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. After Stockton has processed all applications, a registration session will be scheduled at the high school. At the registration session, a Stockton representative will provide students with a goStockton account and assist the student with registering for the class.

## OCEAN COUNTY COLLEGE JUMP START PROGRAM

The Jump Start Program at Ocean County College 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 Jump Start 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 Jump Start students are one half the normal cost per credit plus additional OCC student fees (students are responsible for the costs).

### Credits

Upon successful completion of a course, credits will be recorded on an official OCC transcript.

### Courses

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

### Registration

Complete the OCC Jump Start application (available online and in the guidance office) and include course #OCJS in the elective area of your course selection sheet.

## 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. As of March 2016, there are two SAT sections: Math, Evidence-Based Reading and Writing, plus an optional Essay. 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 March. 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 your composite score, which also ranges between 1 and 36. This test is an alternative to the SAT and is accepted by colleges and universities. The ACT is administered at Southern in October, December and April. Further information on the ACT is available at [www.act.org](http://www.act.org).

### SAT Subject Tests

The SAT Subject Tests are a series of one (1) hour tests given in a variety of subject areas. Some colleges and universities require the SAT Subject Tests as part of the application process. It is not necessary for every student to take these tests. Check the admission requirements for individual colleges to see if it is necessary to take the SAT Subject Tests.

### 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. **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.njstars.net](http://www.njstars.net) or [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. Use Naviance to explore careers and colleges.
2. Develop a plan to take college admissions tests (PSAT, SAT, ACT). Continue to discuss your career and college interests with your parents and counselor.
3. Review college entrance requirements.
4. Attend the Ocean County College Fair in the fall. Attend this and/or other college fairs to gather information about a variety of colleges and to meet college admission representatives.
5. Visit college campuses.
6. Update your resume 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 Ocean County College Fair in the fall.
4. Attend the College Planning Seminar offered by the guidance department in November.
5. Use SuperMatch in Naviance to develop a college list.
6. Check the guidelines for college admission testing for each college.
7. Visit college campuses.
8. Take the January SAT.

### **Eleventh Grade: Spring**

1. Schedule a meeting with your counselor to discuss college and career options.
2. In Naviance refine your list of colleges.
3. Take the April ACT.
4. Take the SAT Subject Tests if required. Consult your counselor.
5. Update your resume in Naviance.
6. Visit college website(s) to review application requirements.

### **Eleventh Grade: Summer**

1. If a personal essay is required, begin writing your essay.
2. Create a list of "Colleges that I am applying to" in Naviance.
3. Visit college campuses.



**Twelfth Grade: Fall**

1. **Be mindful of testing and application deadlines. Allow at least 3 to 4 weeks processing time for recommendations and transcripts.**
2. Attend the Financial Aid Seminar offered by the guidance office to assist you in completing the financial aid forms (October).
3. File a financial aid application online at [www.fafsa.gov](http://www.fafsa.gov).
4. Take the SAT and/or ACT in October.
5. Take SAT Subject Tests if required.
6. Submit your academic records release form and transcript review forms to the guidance office.
7. In Naviance develop your final list of colleges.
8. Attend meetings with college admissions representatives offered through the guidance office.
9. Request letters of recommendation in person and in Naviance. Update your resume in Naviance.
10. Male students (18 years old): Register with the Selective Service at [www.sss.gov](http://www.sss.gov).
11. Check the guidance list of general scholarships on our website ([www.srsd.net](http://www.srsd.net)) and utilize one of the many free scholarship search engines ([fastweb.com](http://fastweb.com)).

**Twelfth Grade: Winter**

1. Submit the Southern Regional local scholarship application online. Check for scholarship application deadlines in January.

**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

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

### Approved 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 1 RR     | WORLD HISTORY    | ALGEBRA 1       | SCIENCE SEMINAR I | FRENCH 1        |
| ENGLISH 1        | WORLD HIS/ADV    | ALGEBRA 1/ADV   | GEOPHYS SCIENCE   | FRENCH 2        |
| ENGLISH 1/ADV    | WORLD HISTORY/H  | GEOMETRY RR     | GEOPHYS SCI/ADV   | FRENCH 3        |
| ENGLISH 1/H      | US HISTORY 1 RR  | GEOMETRY        | BIO-COM           | FRENCH 4/H      |
| ENGLISH 2 RR     | US HISTORY 1     | GEOMETRY/ADV    | BIOLOGY           | GERMAN 1        |
| ENGLISH 2        | US HISTORY 1/ADV | GEOMETRY/H      | BIOLOGY/ADV       | GERMAN 2        |
| ENGLISH 2/ADV    | US HISTORY 1/H   | ALGEBRA 2 RR    | BIOLOGY/H         | GERMAN 3        |
| ENGLISH 2/H      | US HISTORY 2 RR  | ALGEBRA 2       | CHEM-COM          | GERMAN 4/H      |
| ENGLISH 3 RR     | US HISTORY 2     | ALGEBRA 2/ADV   | CHEMISTRY         | JAPANESE 1      |
| ENGLISH 3        | US HISTORY 2/ADV | ALGEBRA 2/H     | CHEMISTRY/ADV     | JAPANESE 2      |
| ENGLISH 3/ADV    | US HISTORY 2/AP  | ALGEBRA 3       | CHEMISTRY/H       | JAPANESE 3      |
| ENGLISH 3/H      | AP GOV & POL     | TRIG/PRE-CALC   | PHYSICS           | JAPANESE 4/H    |
| ENGLISH 3/AP     | AP EUROPEAN HIS  | TRIG/PRE-CALC/H | PHYSICS/ADV       | LATIN 1         |
| ENGLISH 4 RR     | AP PSYCHOLOGY    | CALCULUS 1      | PHYSICS/H         | LATIN 2         |
| ENGLISH 4        | CRITICAL ISSUES  | AP CALCULUS     | AP BIOLOGY        | LATIN 3         |
| ENGLISH 4/ADV    | SOCIOLOGY        | AP CALCULUS 2   | AP CHEMISTRY      | LATIN 4/H       |
| ENGLISH 4/AP     |                  | DIS PROB/STAT   | AP PHYSICS        | SPANISH 1       |
| JOURNALISM I     |                  | AP STATISTICS   | ANAT/PHYS         | SPANISH 2       |
| CREATIVE WRITING |                  |                 | ENV SCI           | SPANISH 3       |
|                  |                  |                 |                   | SPANISH 4/H     |
|                  |                  |                 |                   | AP SPANISH LIT  |
|                  |                  |                 |                   | AP SPANISH LANG |

## NCAA Division I Initial-Eligibility Requirements

### Full Qualifier Requirements

Student-athletes who meet the following full qualifier requirements may practice, compete and receive athletics scholarships during their first year of enrollment at an NCAA Division I school.

- Complete the 16 core courses listed in the table below.
  - Ten of the 16 core courses must be completed before the seventh semester (senior year) of high school.
  - Seven of the 10 core courses must be in English, math or science.
- Earn a core-course GPA of at least 2.300.
- Earn the ACT/SAT score matching your core-course GPA on the Division I sliding scale (see the NCAA Eligibility Center for more information).
- Graduate high school.

|         |                                  |  |  |                   |   |
|---------|----------------------------------|--|--|-------------------|---|
| ENGLISH | MATH<br>(Algebra I<br>or higher) | NATURAL/<br>PHYSICAL<br>SCIENCE<br>(One year of<br>lab,<br>if offered) | ADDITIONAL<br>ENGLISH,<br>MATH OR<br>NATURAL/<br>PHYSICAL<br>SCIENCE | SOCIAL<br>SCIENCE | ADDITIONAL<br>COURSES<br>(Any area listed to<br>the left, foreign<br>language or<br>comparative<br>religion/philosophy) |
| 4 years | 3 years                          | 2 years  | 1 year   | 2 years           | 4 years   |

## NCAA Division II Initial-Eligibility Requirements

### Full Qualifier Requirements

Student-athletes who meet the following full qualifier requirements may practice, compete and receive athletics scholarships during their first year of enrollment at an NCAA Division II school.

- Complete the 16 core courses listed in the table below.
- Earn a core-course GPA of at least 2.200.
- Earn the ACT/SAT score matching your core-course GPA on the Division II sliding scale (see the NCAA Eligibility Center for more information).
- Graduate high school.

|         |                                  |  |                   |   |   |
|---------|----------------------------------|--|-------------------|---|---|
| ENGLISH | MATH<br>(Algebra I<br>or higher) | NATURAL/<br>PHYSICAL<br>SCIENCE<br>(One year of<br>lab,<br>if offered) | SOCIAL<br>SCIENCE | ADDITIONAL<br>(English, math,<br>or<br>natural/physical<br>science) | ADDITIONAL<br>(English, math,<br>natural/physical<br>science, social<br>science, foreign<br>language, comparative<br>religion<br>or philosophy) |
| 3 years | 2 years                          | 2 years  | 2 years           | 3 years   | 4 years   |

# 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)

## Admission Procedures

Applications and course description booklets may be obtained from the Southern Regional Guidance Office. The decision of acceptance is made solely by the 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.
- Applicants for Cosmetology and Law and Public Safety will be required to pass a written examination for admission.
- 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 2018-2019**

| <b>Applied and Performing Arts</b>  |         |                          |
|---|---------|--------------------------|
| Design and Visual Communications (Tech Prep)                                | 2 years | Brick                    |
| <b>Computers/Design</b>   |         |                          |
| Computer Service Repair   | 1 year  | Toms River               |
| Computer Science (Tech Prep)  | 2 years | Toms River               |
| Pre-Engineering Technology  | 2 years | Toms River               |
| <b>Construction Trades</b>  |         |                          |
| Building Construction Technology  | 2 years | Brick                    |
| Custom Woodworking and Design   | 2 years | Jackson                  |
| Electrical Trades/Integrated Cabling Technology                             | 2 years | Jackson/Toms River       |
| Heating, Ventilation, Air Conditioning and Refrigeration (HVAC) (Tech Prep) | 2 years | Brick                    |
| Welding   | 2 years | Toms River               |
| <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 and Related Health Careers (Tech Prep)                       | 2 years | Toms River               |
| <b>Service Occupations</b>  |         |                          |
| Child Care Professions (Tech Prep)  | 2 years | Brick                    |
| Cosmetology (Tech Prep)   | 2 years | Brick/Jackson/Toms River |
| Culinary Arts (Tech Prep)   | 2 years | Brick                    |
| Fashion Design/Merchandising (Tech Prep)                                    | 2 years | Brick                    |
| <b>Transportation Technologies</b>  |         |                          |
| Automotive Technology (Tech Prep)   | 2 years | Brick/Jackson/Waretown   |
| Collision Repair (Tech Prep)  | 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  |                  |                     |                  |
|             | Photographics is the integrated study of photography and graphic communications. The purpose of the course is to provide the opportunity for the student to explore the relationship between creating images to communicate. Utilizing the problem solving approach, the student is introduced to design, image generation, pre-production/production and finishing processes that will enable them to design and produce images that communicate effectively. Both analog and digital technologies will be experienced by the student in solving communications problems. Analog photography and digital photography and their integration with electronic publishing, as well as design, multimedia presentation, image manipulation and conventional printing are all areas of study for Photographics.   |                  |                     |                  |
| <b>8808</b> | <b>ADVANCED PHOTOGRAPHICS</b>  | <b>Full Year</b> | <b>Grades 10-12</b> | <b>5 Credits</b> |
|             | <b>Prerequisite:</b> Successful completion of Photographics and teacher recommendation   |                  |                     |                  |
|             | The student may elect a track with an emphasis on photography or graphics. Concentration on the practical application of what was covered in Photographics is the aim of this course. All students will acquire a core of knowledge in the first nine weeks. The second nine weeks will emphasize individual project work planned, in the area of their interest, in concert with the teacher. The culminating activity will be a school/community based demonstration project.  |                  |                     |                  |
| <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 to 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>8508</b> | <b>ADVANCED POWER MECHANICS</b>  | <b>Full Year</b> | <b>Grades 10-12</b> | <b>5 Credits</b> |
|             | <b>Prerequisite:</b> Power Mechanics   |                  |                     |                  |
|             | Students who take the course in the second year will have the opportunity to work independently on projects ranging from landscaping equipment to power sports and are encouraged to bring projects of their own into class to work on. Course topics will revolve around more advanced troubleshooting, starting and charging systems and drivetrains. Projects provided in class will often include the rebuilding of larger automotive and marine engines that are selected on a year to year basis. Students will also be safely trained on the diagnostic equipment necessary to complete their jobs in addition to basic hand, power, and air tools.   |                  |                     |                  |
| <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><br><b>Prerequisite:</b> Woodworking I<br>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>Full Year</b> | <b>Grades 10-12</b> | <b>5 Credits</b> |
| <b>8330</b> | <b>WOODWORKING III</b><br><b>Prerequisite:</b> Woodworking II<br>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>Full Year</b> | <b>Grades 11-12</b> | <b>5 Credits</b> |
| <b>8331</b> | <b>WOODWORKING IV</b><br><b>Prerequisite:</b> Woodworking III<br>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>Full Year</b> | <b>Grade 12</b>     | <b>5 Credits</b> |
| <b>8540</b> | <b>AUTO MECHANICS I</b><br>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>Full Year</b> | <b>Grades 10-12</b> | <b>5 Credits</b> |
| <b>8550</b> | <b>AUTO MECHANICS II</b><br><b>Prerequisite:</b> Auto Mechanics I<br>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>Full Year</b> | <b>Grades 11-12</b> | <b>5 Credits</b> |
| <b>8560</b> | <b>AUTO MECHANICS III</b><br><b>Prerequisite:</b> Auto Mechanics II<br>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.   | <b>Full Year</b> | <b>Grades 11-12</b> | <b>5 Credits</b> |

- 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  
 It 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 Numeric 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 oxy-acetylene cutting torch and plasma arc cutting are also used. The course will develop 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 three-dimensional 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.



# 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 art work is often showcased or exhibited throughout the school and community. Benchmark assessments will be administered quarterly.

**7004 ART FUNDAMENTALS Full Year Grades 9-12 5 Credits**  
**This course is ONLY for students who have NEVER had an art course at the high school level.**

The purpose of this "foundation" 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 may include: drawing, painting, 2-D design, printmaking, sculpture, pottery and found object collage.

**7110 PAINTING & DRAWING I Full Year Grades 9-12 5 Credits**  
**This course is ONLY for students who have NEVER had an art course at the high school level.**

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.

**7120 PAINTING & DRAWING II Full Year Grades 10-12 5 Credits**  
**Prerequisite:** 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: extensive, traditional, realistic drawing techniques from direct observation of still life subjects. Realistic acrylic, and oil painting techniques based on direct observation of still life subjects, photographs, and color theory exercises will also be learned.

**7130 PAINTING & DRAWING III Full Year Grades 11-12 5 Credits**  
**Prerequisite:** 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. The curriculum addresses the AP portfolio components of quality, concentration, and breadth. Course work includes: still life, figurative, landscape and abstract subjects in various media, oral and written critiques, research, art school and career presentations.

**7140 PAINTING & DRAWING IV/AP STUDIO ART Full Year Grade 12 5 Credits**  
**Prerequisite:** Painting & Drawing III and teacher recommendation

This 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 AP portfolio components of quality, concentration, and breadth. Course work includes: still life, figurative, landscape and abstract subjects in various media, oral and written critiques, research, art school and career presentations.

|             |   |                  |                     |                  |
|-------------|---|------------------|---------------------|------------------|
| <b>7210</b> | <b>SCULPTURE I</b><br>This course will enable students to explore a wide variety of sculpting techniques and various media, including plasters, wood, 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><br><b>Prerequisite:</b> Sculpture I<br>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 such as clay, wood, stone, and plaster. 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 sketch book to track progress and record notes.   | <b>Full Year</b> | <b>Grades 11-12</b> | <b>5 Credits</b> |
| <b>7540</b> | <b>HAND-BUILT POTTERY</b><br>This course will concentrate on in-depth experimentation and mastery of hand-building techniques including pinching, modeling, coiling, and slab building. Any or all of these methods can be used in combination to form functional pottery. Glazing and various decorating techniques will be covered to enhance the shape and function of the hand-build 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><br>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><br><b>Prerequisite:</b> Pottery I and recommendation of Pottery I Instructor<br>This course is designed for the serious potter. 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><br><b>Prerequisite:</b> Pottery II<br>The third year pottery course is designed for the dedicated art student who is interested in pottery. 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.  | <b>Full Year</b> | <b>Grades 11-12</b> | <b>5 Credits</b> |



# 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 80 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 participate in the Honors summer reading program. 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.

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|-------------|---|------------------|----------------|------------------|
| <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. |                  |                |                  |

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| <b>1210</b> | <b>ENGLISH II</b><br><b>Prerequisite:</b> Successful completion of 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><br><b>Prerequisite:</b> Successful completion of 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><br><b>Prerequisite:</b> Honors English I with an 80 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>1305</b> | <b>ESSENTIALS OF ENGLISH III</b><br><b>Prerequisite:</b> Successful completion of English II Essentials   | <b>Full Year</b> | <b>Grade 11</b> | <b>5 Credits</b> |
|             | This course offers students with emergent language skills the opportunity to develop proficiency in those skills. 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 and vocabulary development. A summer reading assignment is a requirement of this course.  |                  |                 |                  |
| <b>1310</b> | <b>ENGLISH III</b><br><b>Prerequisite:</b> Successful completion of 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.  |                  |                 |                  |

- 1320      ADVANCED ENGLISH III                              Full Year      Grade 11                              5 Credits**  
**Prerequisite:** Successful completion of Advanced English II  
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**  
**Prerequisite:** Honors English II with an 80 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**  
**Prerequisite:** Honors English II with an 80 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.
- 1405      ESSENTIALS OF ENGLISH IV                              Full Year      Grade 11                              5 Credits**  
**Prerequisite:** Successful completion of English III Essentials  
This course offers students with emergent language skills the opportunity to develop proficiency in those skills. This course will emphasize the study of British Literature, which will be paired with contemporary non-fiction essays. Students will continue to hone their research, reading, writing, speaking, vocabulary, grammar, and critical thinking skills to prepare them for life after high school. A summer reading assignment is a requirement of this course.
- 1410      ENGLISH IV                              Full Year      Grade 12                              5 Credits**  
**Prerequisite:** Successful completion of 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 in order 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:** Successful completion of 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 in order 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****  
**Prerequisite:** Honors English III or AP English III: Language and Composition with an 80 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. 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.
- 1610     **JOURNALISM I**                             **Full Year**     **Grades 10-12**                             **5 Credits****  
**Prerequisite:** Writing sample, teacher recommendation and interview with Rampage Advisor  
The course is designed to introduce the students to the field of journalism and to prepare them for staff positions on the school newspaper. The course focuses on a variety of journalistic skills such as news gathering and interviewing, writing styles required for news, features and editorials, copy editing and layout. The course will also address broader issues in the field such as news judgment, ethics and fairness.
- 1812     **LANGUAGE ARTS COMPETENCY**                             **Full Year**     **Grade 12**                             **5 Credits****  
This course is specifically designed for those students who have not yet reached proficiency on the State required assessments needed for graduation. Students enrolled in this course will engage in tasks meant to improve their reading and writing skills in order to become college and career ready. Students will create a portfolio to demonstrate their competency in Language Arts. This class will not replace Senior English, but will be supplemental.

## GENERAL ELECTIVES

- 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:** Completion of 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, 3-Point lighting systems, studio lighting, and writing for news. Students will work in a studio setting as well as live and recorded field productions.
- 1670 ADVANCED TV PRODUCTION Full Year Grades 11-12 5 Credits**  
**Prerequisite:** Completion of Intermediate TV Production  
The advanced level course allows the students to produce the morning school news and news packages on any relevant school events. Student's also produce additional programming for Southern's SNN Channel 21 television station.
- 1630 YEARBOOK PRACTICUM Full Year Grades 11-12 5 Credits**  
**Prerequisite:** Teacher recommendation  
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. Layout is done on computers. Students interested in computer design will work with programs like UltraVision. 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

Ms. Barbara McHale, Supervisor

The English as a Second Language (ESL) Program is designed for Limited English Proficient (LEP) students who originate from many different countries and represent a multitude of languages. In the program, students 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 LEP students in meeting district, state and federal mandates for graduation, including achieving English language proficiency on the ACCESS test, as well as successfully passing the PARCC in language arts and mathematics.

- 1700 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. Language proficiency portfolios are used as part of the assessment process. Placement in the program is determined by ESL staff using the W-APT and/or ACCESS tests of English proficiency required by the State. Each student will have at least one class period of ESL per day, perhaps two, as determined by level of proficiency.
- 1704 INTERMEDIATE ENGLISH AS A SECOND LANGUAGE Full Year Grades 9-12 5 Credits**  
This ESL class is designated for those students who are able to demonstrate some proficiency in listening, speaking, reading and writing English. Students are expected to use English to communicate and function on a daily basis. There is a strong emphasis on developing the literacy skills required for academic success. Students focus on developing proficiency in English while also learning in the other content areas. Language proficiency portfolios are used as part of the assessment process. Placement in the program is determined by ESL staff using the W-APT 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 LEP students to take the PARCC in language arts and mathematics. Language proficiency portfolios are used as part of the assessment process. Placement in the program is determined by ESL staff using the W-APT and/or ACCESS, tests of English language proficiency required by the State. Each student will have at least one class period of ESL per day.
- 1710 HIGH INTENSITY ENGLISH AS A SECOND LANGUAGE Full Year Grades 9-12 5 Credits**  
In this program, students receive an additional class period of English language instruction daily. It provides beginning level students with the much needed time required to acquire a second language. During this time students also receive assistance in fulfilling the requirements of their other courses of study. Placement in the program is determined by ESL staff using the W-APT and/or ACCESS, tests of English proficiency required by the State.

# 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

Don't stop after one year! In this more advanced course, you 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 enable 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. Workplace readiness skills will be utilized as students refine previous learned concepts and learn additional ones. Careers in the area of textiles and the clothing industry will be studied, as well as elements and principles of design. Students more serious about a career in the fashion industry will have even broader skills to guide them in the real world.

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

**Full Year**

**Grades 11-12**

**5 Credits**

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

Don't slow down! 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. Careers in the fashion industry will be studied as well as inspiration as a fashion tool, fabric design and sewing for a profit. 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**  
**Prerequisite:** Clothing Construction & Fashion Studio III and teacher recommendation  
 This course is for the advanced clothing student and is designed to utilize advanced technology such as the serger and embroidery machine. Students will learn tailoring techniques in clothing construction, and altering existing garments. Pattern construction techniques such as flat pattern design and draping will be included. Students will continue to work on a personal portfolio representing their skill in clothing construction as well as demonstrate the ability to set goals and think outside the box. This course is designed for students whose career interests are in the area of Fashion Merchandising or those who desire general knowledge of this topic. After four years in a fashion course students serious about fashion have learned skills necessary for a successful career. These skills can be hard sought prior to college; exposure to the world of fashion is inspiring the designers of tomorrow. As students complete the areas of study, more in depth course projects will include fashion displays, fashion advertising, fashion modeling and another production of the fashion show. 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!
- 8206 CHILD DEVELOPMENT I**  
**Full Year      Grades 9-12      5 Credits**  
 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.
- 8207 CHILD DEVELOPMENT II**  
**Full Year      Grades 10-12      5 Credits**  
**Prerequisite:** 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.
- 8208 CHILD DEVELOPMENT III**  
**Full Year      Grades 11-12      5 Credits**  
**Prerequisite:** 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 child development students as well as expand their portfolio started in Child Development II.
- 8225 LIFE 101**  
**Full Year      Grades 11-12      5 Credits**  
 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 while maintaining a relationship with someone else? 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.
- 8006 FUNDAMENTAL FOODS**  
**Full Year      Grades 9-12      5 Credits**  
 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 the area of food service is included.

- 8026 CREATIVE BAKING** **Full Year** **Grades 9-12** **5 Credits**  
 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.
- 8036 CULINARY ARTS** **Full Year** **Grade 12** **5 Credits**  
**Prerequisite:** Successful completion of one year of food courses and teacher recommendation  
 This advanced course applies prior knowledge to plan and prepare a wide variety of menus and dishes. While food preparation techniques are reinforced, individual creativity with food is stressed through many diverse experiences, including culinary competitions. Careers in the Culinary Arts field will be explored.
- 8046 GLOBAL FOODS** **Full Year** **Grades 11-12** **5 Credits**  
 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 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 College.**

# MATHEMATICS

Mrs. Megan Vile, Supervisor

- 2200 FUNDAMENTALS OF ALGEBRA**                      **Full Year**                      **Grades 9**                      **5 Credits**  
This course is designed to develop a working understanding of the basic concepts of algebra. Students will explore writing and solving linear equations, powers and exponents, quadratic equations, polynomials and factoring, graphing and solving linear inequalities, and functions. Mathematical concepts and skills will be taught with an emphasis on real-world application.
- 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 of 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**  
**Prerequisite:** 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.

|             |   |                  |                     |                  |
|-------------|---|------------------|---------------------|------------------|
| <b>2222</b> | <b>HONORS GEOMETRY</b>  | <b>Full Year</b> | <b>Grades 9-10</b>  | <b>5 Credits</b> |
|             | <b>Prerequisite:</b> Honors Algebra I with a B 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. |                  |                     |                  |
| <b>2307</b> | <b>INTERMEDIATE ALGEBRA</b>   | <b>Full Year</b> | <b>Grades 11-12</b> | <b>5 Credits</b> |
|             | <b>Prerequisite:</b> Essentials of Geometry   |                  |                     |                  |
|             | This course builds upon the concepts presented in Algebra I and/or Essentials of Algebra. 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.   |                  |                     |                  |
| <b>2308</b> | <b>ALGEBRA II</b>   | <b>Full Year</b> | <b>Grades 11-12</b> | <b>5 Credits</b> |
|             | <b>Prerequisite:</b> 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.   |                  |                     |                  |
| <b>2309</b> | <b>ADVANCED ALGEBRA II</b>  | <b>Full Year</b> | <b>Grades 11-12</b> | <b>5 Credits</b> |
|             | <b>Prerequisite:</b> 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.   |                  |                     |                  |
| <b>2310</b> | <b>HONORS ALGEBRA II</b>  | <b>Full Year</b> | <b>Grades 10-11</b> | <b>5 Credits</b> |
|             | <b>Prerequisite:</b> Honors Geometry with a B 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.   |                  |                     |                  |
| <b>2315</b> | <b>ALGEBRA III</b>  | <b>Full Year</b> | <b>Grades 11-12</b> | <b>5 Credits</b> |
|             | <b>Prerequisite:</b> 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.  |                  |                     |                  |

- 2240 TRIGONOMETRY & PRE-CALCULUS**                      **Full Year**                      **Grades 11-12**                      **5 Credits**  
**Prerequisite:** 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.
- 2320 HONORS TRIGONOMETRY & PRE-CALCULUS**                      **Full Year**                      **Grades 11-12**                      **5 Credits**  
**Prerequisite:** Honors Algebra II with a B 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 College.**
- 2340 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. 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.
- 2351 AP CALCULUS I**    **Full Year**                      **Grades 11-12**                      **5 Credits**  
**Prerequisite:** Honors Trigonometry & Pre-Calculus 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 College.**
- 2360 AP CALCULUS II**    **Full Year**                      **Grade 12**                      **5 Credits**  
**Prerequisite:** Successful completion of AP Calculus I and teacher recommendation  
 This course will review the topics covered in 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 a minimum 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.

- 2370 AP STATISTICS** **Full Year** **Grades 10-12** **5 Credits**  
**Prerequisite:** 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 INTRO 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.
- 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.
- 2612 MATH COMPETENCY** **Full Year** **Grade 12** **5 credits**  
 This course is specifically designed for those students who have not yet reached proficiency on the State required assessments. Students enrolled in this course will engage in tasks meant to improve their math skills. Students will create a portfolio to demonstrate their competency in math. This class will be supplemental therefore will not replace a math class.



# MUSIC & DRAMA

Dr. Richard Falletta, Supervisor

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| <b>0610</b> | <b>SELECT SYMPHONIC BAND</b><br><b>Prerequisite:</b> Director's recommendation and audition<br>Symphonic Band is for students with above average proficiency on their band instrument. Continued emphasis will be on the development of individual musical skills and advanced literature will be studied and performed. Application of these skills will be demonstrated through public performance. Students are expected to complete small or individual lessons with faculty throughout the school year. Students will be required to perform at three evening concerts, select New Jersey Gala performances and high school graduation for grades 9 – 11.  | <b>Full Year</b> | <b>Grades 9-12</b>  | <b>5 Credits</b> |
| <b>0620</b> | <b>WIND ENSEMBLE</b><br><b>Prerequisite:</b> Director's recommendation and audition<br>This ensemble is composed of the most outstanding instrumental students in the band program. Student 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 and the select New Jersey Gala, as well as perform at an annual concert band festival 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>Full Year</b> | <b>Grades 9-10</b>  | <b>5 Credits</b> |
| <b>0621</b> | <b>HONORS WIND ENSEMBLE</b><br><b>Prerequisite:</b> Director's recommendation and audition<br>This ensemble is composed of the most outstanding instrumental students in the band program. Student 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 and the select New Jersey Gala, as well as perform at an annual concert band festival 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>Full Year</b> | <b>Grades 11-12</b> | <b>5 Credits</b> |
| <b>0640</b> | <b>STRING ORCHESTRA</b><br><b>Prerequisite:</b> Director's recommendation and audition<br>This course will provide an enjoyable and well-rounded experience in a string orchestra setting. Students must already play a string instrument or make prior arrangements for individual lessons. Music reading and public performance will be emphasized. Students will be required to attend two evening concerts during the course of the school year.  | <b>Full Year</b> | <b>Grades 9-12</b>  | <b>5 Credits</b> |
| <b>0645</b> | <b>SELECT STRING ENSEMBLE</b><br><b>Prerequisite:</b> Director's recommendation and audition<br>This ensemble is composed of the most outstanding students in the string program. Students will play music at a more challenging level than in String Orchestra and take part in community performance activities. 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 attend two evening concerts during the course of the school year.  | <b>Full Year</b> | <b>Grades 9-12</b>  | <b>5 Credits</b> |

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| <b>0680</b> | <b>CONCERT CHOIR</b><br><b>Prerequisite:</b> Director's recommendation and audition<br>Southern Regional High School 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.  | <b>Full Year</b> | <b>Grades 9-12</b>  | <b>5 Credits</b> |
| <b>0682</b> | <b>SELECT CHOIR</b><br><b>Prerequisite:</b> Director's recommendation and audition<br>Southern Regional High School Select Choir is an auditioned choir. Auditions are held from January to June of the previous school year. Auditioned material is similar to those 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.  | <b>Full Year</b> | <b>Grade 10</b>     | <b>5 Credits</b> |
| <b>0683</b> | <b>HONORS SELECT CHOIR</b><br><b>Prerequisite:</b> Director's recommendation and audition<br>Southern Regional High School Honors Select Choir is an auditioned choir. Auditions are held from January to June of the previous school year. Auditioned material is similar to those 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. | <b>Full Year</b> | <b>Grades 11-12</b> | <b>5 Credits</b> |
| <b>0629</b> | <b>BEGINNING GUITAR</b><br>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.  | <b>Full Year</b> | <b>Grades 11-12</b> | <b>5 Credits</b> |
| <b>0692</b> | <b>MUSIC THEORY</b><br><b>Prerequisite:</b> A minimum of one year of formal study of instrument/voice and teacher recommendation<br>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.   | <b>Full Year</b> | <b>Grades 10-12</b> | <b>5 Credits</b> |

- 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.
- 1600 IMPROVISATION I** **Full Year** **Grades 9-12** **5 Credits**  
In this course, students will use improvisational activities to learn how to create character, setting and mood. Students will create original scenes as well as perform short, scripted scenes and monologues. Students will experience stage techniques such as staging, projecting and taking direction by performing. Students will be expected to participate in at least one public performance.
- 1601 IMPROVISATION II** **Full Year** **Grades 10-12** **5 Credits**  
**Prerequisite:** Completion of Improvisation I, student audition and teacher recommendation  
Students use improvisational activities (unrehearsed role-playing situations) in developing skills needed in acting. Students create characters, settings and conflicts in their writing and on stage. The techniques also help students develop situations suitable for student-written, directed and produced drama. Student work is performed for audiences after school and in the evening.
- 1602 ADVANCED IMPROVISATION, ACTING & WRITING** **Full Year** **Grades 11-12** **5 Credits**  
**Prerequisite:** Completion of Improvisation II, student audition and teacher recommendation  
Advanced Improvisation, Acting & Writing builds upon the skills learned in year one of the course. Students concentrate on individual talents in acting; play writing, directing and set design to produce quarterly drama projects. English class assemblies and evening performances both within the district and for community services are planned.

# PHYSICAL EDUCATION, HEALTH EDUCATION AND DRIVER EDUCATION

Mr. Joseph DiPietro, Supervisor

## PHYSICAL EDUCATION

Per New Jersey State law, a course in Physical Education is required of all students for each year they are enrolled in high school. Physical Education offers each student a variety of co-educational activities during the school year. 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 and dual sports, and dance is 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         | Flag Football        | Self Defense    |
| Archery          | Frisbee              | Soccer          |
| Badminton        | Games                | Softball        |
| Basketball       | Golf                 | Table Tennis    |
| Bicycling        | Gymnastics           | Team Handball   |
| Circuit Training | Lacrosse             | Tennis          |
| Dance            | Orienteering         | Track and Field |
| Fencing          | Project Adventure II | Tumbling        |
| Field Hockey     | Power Walking        | Volleyball      |
| Fitness          | Racquet Sports       | Weight Training |

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

Each term in Physical Education is a separate course worth 1.25 credits. Students will be required to earn a total 3.75 credits per year in grades 9 through 12 (total 15 credits).

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|-------------|---|-----------------|------------------|
| <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> |

# HEALTH EDUCATION

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. Each marking period is a separate course worth 1.25 credits.

**0150 HEALTH 9**

**Grade 9**

How decisions impact one's health and relationships are stressed in this course. Major areas covered include: the importance of interpersonal skills in developing and maintaining friendships and relationships with maturing members of the opposite gender; male and female reproductive systems, namely identification and function; sexually transmitted diseases including principle kinds, causes and prevention; family planning, birth control methods and their effectiveness with an emphasis on abstinence; and alcohol and drug education. Focus is on the individual as they strive to understand themselves and others in interpersonal relationships.

**0250 DRIVER EDUCATION THEORY**

**Grade 10**

Driver Education Theory is required of all tenth grade students. Course objectives are for students to learn the motor vehicle laws of the State of New Jersey and to develop 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**

The Health 11 course of study consists of wellness, nutrition, communicable and non-communicable diseases and drug education. Teaching emphasis is placed on the development of personal responsibility of one's own health. The course includes understanding emotions, stress, facing problems and conflicts, and deciding when to seek professional help, as well as the concepts of a healthy lifestyle.

**0450 HEALTH 12**

**Grade 12**

The complex society we live in provides many challenges and dilemmas for today's family. This course provides students with the opportunity to analyze the interpersonal relationships among children, siblings, parents and friends. Additionally, the course examines and evaluates our changing family patterns, marriage, parenthood, genetic health influences, healthcare and services, family budgets, nutritional factors and personal health care assessment.

# AIR FORCE JUNIOR ROTC

Mr. Joseph DiPietro, Supervisor

Air Force Junior ROTC is a four-year program available to grades 9 through 12. The mission of the Air Force Junior ROTC program at Southern Regional High School is to provide students with a vehicle for the application of leadership. It is also designed to strengthen character, teach responsibility, improve self-discipline, develop an understanding of the role of the military in society, acquire knowledge of the major elements of aerospace, and build informed, responsible, and productive citizens. This is accomplished through a comprehensive program of study consisting of four levels of Aerospace Science and Leadership education. AFJROTC also includes a wellness component which consists of student wellness education and participation in the Presidential Fitness Program.

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| <b>0810</b> | <b>ROTC I</b><br>For students electing their first Junior ROTC course.  | <b>Full Year</b> | <b>Grades 9-12</b>  | <b>5 Credits</b>   |
| <b>0820</b> | <b>ROTC II</b><br><b>Prerequisite:</b> Teacher recommendation.<br>For students electing their second year Junior ROTC course.   | <b>Full Year</b> | <b>Grades 10-12</b> | <b>5 Credits</b>   |
| <b>0830</b> | <b>ROTC III</b><br><b>Prerequisite:</b> Teacher recommendation.<br>For students electing their third year Junior ROTC course.   | <b>Full Year</b> | <b>Grades 11-12</b> | <b>5 Credits</b>   |
| <b>0840</b> | <b>ROTC IV</b><br><b>Prerequisite:</b> Teacher recommendation.<br>For students electing their fourth year Junior ROTC course.   | <b>Full Year</b> | <b>Grade 12</b>     | <b>5 Credits</b>   |
| <b>0845</b> | <b>Optional Course Offered During the Summer:</b><br><b>SUMMER LEADERSHIP INSTITUTE</b><br><b>Prerequisite:</b> ROTC I<br>An eight-day summer course for students entering their second through fourth year in Junior ROTC.<br>(Can only be taken once for credit) See instructor for registration details. | <b>120 Hours</b> | <b>Grades 10-12</b> | <b>2.5 Credits</b> |

## JUNIOR ROTC CURRICULUM

**Aerospace Science:** This includes the history of aviation, cultural studies of major world regions, science of flight, space exploration to include astronomy, survival and management. Through the study of history of aviation, cadets will learn about the development of flight throughout the centuries. From the science of flight, students will become acquainted with the aerospace environment, the human requirements of flight and the principles of navigation. Space exploration will equip students with the latest information available in space exploration and space science. Through cultural studies, students will learn to see their world through many different perspectives. They will learn to explore and discover the processes that shape the Earth, the relationships between people and environments, and the links between people and places.

**Leadership:** Leadership Education offers students many opportunities to shape their character. Students will learn about character development while many character-building topics are discussed. Elements of good citizenship are instilled in students. They are introduced to the Air Force organizational structure, uniform wear, military customs and courtesies, flag etiquette, citizenship in the United States, first aid, health and wellness, fitness, individual self-control, basic drill and ceremonies, effective communications, they will learn to listen and think critically, how to prepare for leadership, how to build personal awareness, key elements of building and encouraging effective teams, key behaviors for becoming a credible and competent leader, the importance of charting a career path, specific career options, how to create a personal budget and financial plan, how to write a resume, how to interview for a job, how to apply for college, the importance of management, making decisions, and problem solving, human relations and life skills. They will learn about the defense structure of the United States and current Air Force issues.

# SCIENCE

Mr. Joseph Medica, Supervisor

- 3019 GEOPHYSICAL SCIENCE Full Year Grade 9 5 Credits**  
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.
- 3018 ADVANCED GEOPHYSICAL SCIENCE Full Year Grade 9 5 Credits**  
**Prerequisites:** Must be taken concurrently with Advanced Algebra I or Geometry and teacher recommendation  
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.
- 3100 BIOLOGY Full Year Grade 10 6 Credits**  
**Prerequisite:** Geophysical Science  
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. **Students enrolled in this course will be required to take the New Jersey Biology Competency Test in May.**
- 3110 ADVANCED BIOLOGY Full Year Grade 10 6 Credits**  
**Prerequisite:** Advanced Geophysical Science  
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. **Students enrolled in this course will be required to take the New Jersey Biology Competency Test in May.**
- 3120 HONORS BIOLOGY Full Year Grade 9 6 Credits**  
**Prerequisites:** Teacher recommendation, an average of 92 or higher in Science 8 and Honors Geometry strongly recommended  
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 provide 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. **Students enrolled in this course will be required to take the New Jersey Biology Competency Test in May.**
- 3200 CHEMISTRY Full Year Grades 11 6 Credits**  
**Prerequisites:** Essentials of Life Science or Biology and Algebra I  
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 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>ADVANCED PHYSICS</b><br><b>Prerequisites:</b> Advanced Chemistry and Advanced Algebra II strongly recommended<br>This laboratory/inquiry based science course emphasizes problem solving techniques, logical thinking, and 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 <u>or</u> 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 in 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 thermo chemistry, 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 I: ALGEBRA-BASED** **Full Year** **Grades 11-12** **6 Credits**  
**Prerequisites:** Concurrently taking or completed Honors Algebra II  
 AP Physics I 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.
- 3016 ESSENTIALS OF ENVIRONMENTAL SCIENCE/BIOLOGY** **Full Year** **Grades 11-12** **5 Credits**  
**Prerequisite:** Minimum of two years of science courses  
 This laboratory/inquiry based course is designed for students who do not necessarily plan to pursue further studies in the field of science and 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 ENVIRONMENTAL SCIENCE/MARINE BIOLOGY** **Full Year** **Grades 11-12** **5 Credits**  
**Prerequisites:** Minimum of two years of science, preferably Advanced Biology and Advanced Chemistry  
 This laboratory/inquiry based college prep course is designed for students who show a strong interest in the environmental and marine sciences. This academic elective course focuses on local and global ecosystems and marine environments, with an emphasis on the flora and fauna of the marine environment. Through inquiry based problem solving we will investigate such problems as overfishing, and over nitrification of estuaries. Problem-solving techniques are used through fieldwork, data collection and simulations. The course also dives into aquaculture and ocean navigation as time permits.
- 3426 ANATOMY/PHYSIOLOGY** **Full Year** **Grades 11-12** **5 Credits**  
**Prerequisites:** Advanced Biology and Advanced Chemistry  
 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. Our partnership with Southern Ocean Medical Center will allow students to further explore a variety of health related occupations. Selected students will have the opportunity to work directly with SOMC physicians and other healthcare providers to enhance their knowledge of the subject material and to further explore occupational opportunities in a variety of health related careers.
- 3425 SPORTS MEDICINE** **Full Year** **Grades 11-12** **5 Credits**  
**Prerequisite: Advanced Biology and Advanced Chemistry**  
**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.

# 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 in order 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. Basic to an understanding of world history, 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 are capable of handling 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. STATES 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 our country's history. 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 our country's history. 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 represents 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 our country's history. 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.
- 4305 ESSENTIALS OF U.S. HISTORY II Full Year Grade 11 5 Credits**  
 This course emphasizes practical knowledge of American history from the prelude to World War II era to the present, and on America's government and economic systems. It is designed for students who need more concentrated instruction and practice to improve their reading, writing and oral communication skills.
- 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**  
**Prerequisite:** Advanced United States 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**  
**Prerequisite:** Honors United States History I and teacher/supervisor recommendation  
 Students with a strong interest in social studies and students considering AP US Government & Politics in their senior year should register for this advanced program. 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 United States History I and 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.

- 4118 AP EUROPEAN HISTORY** **Full Year** **Grade 12** **5 credits**  
**Prerequisite:** Successful completion of Advanced, Honors, or AP history courses.  
This course is offered to qualified high school students 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. This course is available to seniors only.
- 4400 AP U.S. GOVERNMENT & POLITICS** **Full Year** **Grade 12** **5 Credits**  
**Prerequisite:** Successful completion of Advanced/Honors U.S. History I and AP U.S. History II  
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 United States History I and AP United States 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.
- 4505 UNITED STATES LAW AND SOCIETY** **Full Year** **Grade 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 his personality and his 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 12** **5 Credits**  
**Prerequisite:** Successful completion of previous Honors, Advanced, or AP history courses  
Offered to qualified high school students 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 who do well in this course are expected to take the AP Exam at the conclusion of the course. This course is available to seniors only.

**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.

# SPECIAL EDUCATION

Mr. Jonathan White, Supervisor

Individual education programs for students with special needs 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**, **Resource Center**, and **Self-Contained** 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 mainstreamed teacher in a regular class setting. The special education teacher assists with the development and delivery of the mainstreamed 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 mainstream.

| 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>           | 9021     | Fundamentals of Algebra | Full Year | 9     | 5       |
|                       | 9022     | Algebra I               | Full Year | 10    | 5       |
|                       | 9025     | Geometry                | Full Year | 11    | 5       |
|                       | 9026     | Algebra II              | 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    |

# WORLD LANGUAGES

Mrs. Susan Craig, Supervisor

All students need to successfully complete five credits in world language in order 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. A four-year sequence is available grades 9-12; those students who start in eighth grade have a five year sequence available. 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. Benchmark assessments will be administered quarterly.

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| <b>5110</b> | <b>FRENCH I</b>   | <b>Full Year</b> | <b>Grades 9-12</b>  | <b>5 Credits</b> |
|             | Students in French I 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. Throughout the year, interpersonal, interpretive, and presentational skills will be developed. Students will communicate frequently with partners or groups in French. 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. 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 and shop for clothing in French stores. They will be able to inquire about, and describe their families and friends. At the end of each thematic unit, the students will participate in a performance assessment. With each unit, students will learn about French traditions and customs. French I students will enjoy participating in French celebrations throughout the year. |                  |                     |                  |
| <b>5120</b> | <b>FRENCH II</b>  | <b>Full Year</b> | <b>Grades 9-12</b>  | <b>5 Credits</b> |
|             | <b>Prerequisite:</b> Completion of French I, teacher recommendation, and demonstrated proficiency on departmental assessments   |                  |                     |                  |
|             | 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.  |                  |                     |                  |
| <b>5130</b> | <b>FRENCH III</b>   | <b>Full Year</b> | <b>Grades 10-12</b> | <b>5 Credits</b> |
|             | <b>Prerequisite:</b> Completion of French II with an 83 or better, teacher recommendation and demonstrated proficiency on departmental assessments  |                  |                     |                  |
|             | 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. Students will also explore Canada and discover its Winter Carnival.   |                  |                     |                  |
|             | <b>Students enrolling in this course may be eligible to earn college credits through our dual credit partnership with Stockton College.</b>   |                  |                     |                  |

- 5140 HONORS FRENCH IV Full Year Grades 11-12 5 Credits**  
**Prerequisite:** Completion of French III with an 85 or better, and teacher recommendation  
 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. **Students enrolling in this course may be eligible to earn college credits through our dual credit partnership with Stockton College.**
- 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. German exchange students from our sister school in Germany, Gernsheim-Gymnasium will visit us and are hosted by students' families.
- 5220 GERMAN II Full Year Grades 9-12 5 Credits**  
**Prerequisite:** Completion of German I, teacher recommendation and demonstrated proficiency on departmental assessments  
 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. Students will have the opportunity to host a German exchange student from our sister school, Gernsheim-Gymnasium as well as join our trip to Germany and Austria in the spring and participate in an exchange program where they will apply their German language skills and experience the German culture.
- 5230 GERMAN III Full Year Grades 10-12 5 Credits**  
**Prerequisite:** Completion of German II with an 83 or better, teacher recommendation and demonstrated proficiency on departmental assessments  
 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. They will even be able to host a German exchange student from our sister school, Gernsheim-Gymnasium! In the spring, our students will have the opportunity to travel to Germany and Austria and participate in an exchange program there as well, where they can apply their German language skills and experience the German culture. German III and IV students also have the opportunity to earn up to eight college credits by maintaining a C or better, and as a part of their college entrance requirements. **Students enrolling in this course may be eligible to earn college credits through our dual credit partnership with Stockton College.**



- 5240 HONORS GERMAN IV Full Year Grades 11-12 5 Credits**  
**Prerequisite:** Completion of 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. German exchange students from our German sister school, Gernsheim-Gymnasium, will attend our German class during their visit to Southern Regional and present their way of studies and living. German III and IV students also have the opportunity to earn up to eight college credits by maintaining a C or better, and as a part of their college entrance requirements. **Students enrolling in this course may be eligible to earn college credits through our dual credit partnership with Stockton College.**
- 5310 JAPANESE I Full Year Grades 9-12 5 Credits**  
 This course provides an introduction to 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:** Completion of Japanese I with a 74 or better, teacher recommendation and demonstrated proficiency on departmental assessments  
 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**  
**Prerequisite:** Completion of Japanese II with an 83 or better, teacher recommendation and demonstrated proficiency on departmental assessments  
 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. The study of various aspects of the historic of other East Asian cultures as well as Japan will also continue. Students should thereby 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**  
**Prerequisite:** Completion of 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:** Completion of Latin I with a 74 or better, teacher recommendation and demonstrated proficiency on departmental assessments  
 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**  
**Prerequisite:** Completion of Latin II with an 83 or better, teacher recommendation and demonstrated proficiency on departmental assessments  
 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 Prīncipate. 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 College.**
- 5440 HONORS LATIN IV** **Full Year** **Grade 12** **5 Credits**  
**Prerequisite:** Completion of Latin III with an 85 or better, teacher recommendation, and demonstrated proficiency on departmental assessments  
 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 College.**
- 5460 LEGENDS, HEROES AND IMMORTALS: THE LANGUAGE OF ROMAN AND GREEK MYTHS** **Full Year** **Grade 12** **5 Credits**  
 This course explores the language behind the myths of the Romans and Greeks and also explores the commonalities between the tales of various cultures. Among other archetypes, the course examines the ubiquitous nature of the creation myth, the fall, the story of the flood, the hero and his journey, and stories of transformation. This class encourages students to think about the way the Romans and Greeks used language to express their understanding of the universe and their place in it, as well as the great importance of myths for today's culture.
- 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:** Completion of Spanish I with a 74 or better, teacher recommendation and demonstrated proficiency on departmental assessments  
 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**  
**Prerequisite:** Completion of Spanish II with an 83 or better, teacher recommendation and demonstrated proficiency in departmental assessments  
 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 College.**
- 5540 HONORS SPANISH IV** **Full Year** **Grades 11-12** **5 Credits**  
**Prerequisite:** Completion of 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 College.**
- 5550 AP SPANISH LANGUAGE** **Full Year** **Grades 11-12** **5 Credits**  
**Prerequisite:** Completion of 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.