

## Graduation Requirements

1. Riverside High School requires 130 credits for graduation.
2. Every student must take and demonstrate proficiency in all the courses listed below and for the time indicated:
  - A. Four years of English
  - B. Three years of mathematics including algebra I, geometry, and a third year that builds upon Alg I and geometry.
  - C. Three years of science including 1 year environmental science, and 1 year biology.
  - D. Two years of US History
  - E. One year of World History
  - F. Four years of health and physical education
  - G. One year of a fine or performing art
  - H. One year of a practical art
  - I. One year of Personal Finance/Computer Literacy
  - J. Two years of a foreign language
3. Every student must pass all State mandated tests which have been determined by the NJ Department of Education to be graduation requirements. Students who do not meet the state standards are provided with remediation and given the chance to successfully pass these examinations before their graduation date.
4. All students are to carry a minimum of 35 credits at all times.
5. Academic Class placement is determined by credits earned. To be fully promoted and insure graduation on schedule, you must accumulate credits as follows: Sophomore - 30, Junior - 60, Senior - 90.
6. No student may select a course out of sequence, i.e., English III cannot be taken unless English II has been passed; or Algebra II cannot be taken unless Algebra I has been passed. Taking sequential courses concurrently must be approved by the Guidance Office.
7. A "C" or better is recommended in language I, etc. before pursuing the second year of that subject. Records indicate that students with a "D" in the first sequence may do poorly the second year.
8. A "C" or better is recommended in all math courses, starting with algebra I, before pursuing the next level of that subject.
9. A foreign language should be pursued at least two years. Colleges do not accept fewer than two years of the same language for admission credit.
10. Courses with insufficient enrollment may not be offered.
11. A fifth year student must take physical education along with those subjects necessary to insure graduation. Also, state and local attendance laws must be met. The Board of Education attendance policy will be the guide.

## Honor Society Requirements

Students wishing to become candidates for the National Honor Society should make themselves familiar with the requirements. Members will be selected on the basis of character, scholarship and service. Fulfillment of the following list of criteria is absolutely necessary for consideration.

1. Overall average is to be 90 for consideration.
2. No major violations of Riverside High School Discipline Code; suspension during the current year eliminates consideration.
3. The student must be in compliance with the school attendance policy each year.
4. **Juniors** must present 12 units from the following courses:  
**Seniors** must present 16 units from the following courses:
  - A) English, Journalism, Theme Writing, Creative Writing
  - B) Social Studies (US History I, US History II, World History , Sociology, Const. Law)
  - C) Science (CP Environmental Sci, College Prep Biology, College Prep Chemistry, Chemistry, Anat & Phys H, CP Physics, AP Biology, AP Chemistry )
  - D) Languages
  - E) Math (Algebra I, Algebra II, Pre Calculus, AP Calculus, Geometry, AP Statistics)
5. Any student with a final failure will be eliminated from eligibility.
6. Students may have no more than 12 unexcused absences per year.
7. Eligible juniors and seniors will be called together by the Principal who will distribute activity forms to each student. If the student returns the questionnaire late, he or she will not be considered as a candidate.
8. As a part of the activity sheet, students must write a 300-500 word, typed essay describing, "*Which of the Four Characteristics I best exemplify.*" The ability to write a cogent essay demonstrates a student's worthiness for acceptance. Should a student prefer to write on an alternate topic an applicant may do so.
9. A volunteer NHS faculty committee will serve as a screening committee of the student questionnaires.
10. Each high school faculty member will have the opportunity to comment in writing about each student who is scholastically eligible. All comments will be tabulated and added to a special column on the student's activity sheet. This will be completed by the screening committee.
11. If additional input would be beneficial, all faculty members could be invited to make comments on candidates. However, the five appointed members of the faculty council must make the actual selections.
12. The Student Activity Form should be reviewed by the faculty council, along with any other verifiable information about each candidate.

## PROGRAM OF STUDIES

These courses are recommended by the Science Department as appropriate for the students listed.

<b>SCIENCE DEPARTMENT COURSE SEQUENCING</b>				
	9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>
Accelerated	CP Env. Sci.	• CP Biology	<ul style="list-style-type: none"> <li>• CP Chemistry</li> <li>• CP Physics</li> <li>• Anat &amp; Phys H</li> <li>• AP Biology</li> </ul>	<ul style="list-style-type: none"> <li>• AP Biology</li> <li>• Anat &amp; Phys H</li> <li>• CP Physics</li> <li>• AP Chemistry</li> </ul>
College Prep	CP Env. Sci. or Env. Sci.	CP Biology or Biology	<ul style="list-style-type: none"> <li>• CP Chemistry</li> <li>• CP Physics</li> <li>• Chemistry</li> <li>• Conceptual Physics</li> </ul>	<ul style="list-style-type: none"> <li>• CP Physics</li> <li>• Anat &amp; Phys H</li> <li>• AP Biology</li> <li>• CP Chemistry</li> <li>• AP Chemistry</li> </ul>
General	Env. Sci.	• Biology	<ul style="list-style-type: none"> <li>• Chemistry</li> <li>• Conceptual Physics</li> </ul>	<ul style="list-style-type: none"> <li>• Chemistry</li> <li>• Conceptual Physics</li> </ul>

<b>FOREIGN LANGUAGE DEPARTMENT COURSE SEQUENCING</b>				
	9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>
Accelerated*	Spanish II	Spanish III	Spanish IV	AP Spanish Language
College Prep	Spanish I or French I	Spanish II or French II	Spanish III or French III	Spanish IV or French IV
General	Spanish I or French I	Spanish II or French II	Spanish II or French III	Spanish III or French III
<b>* SPANISH I MUST BE TAKEN DURING 8TH GRADE.</b>				
<b>MATH DEPARTMENT COURSE SEQUENCING</b>				
	9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>
Accelerated	Geometry or Geometry H	Algebra II or Algebra II H	Pre Calculus AP Statistics	AP Calculus AP Statistics
College Prep	Algebra I	Geometry	Algebra II	Pre Calculus AP Statistics
General	Algebra I	Geometry	Algebra II	AP Statistics

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## Course Offerings

Ninth Grade		Credits	Tenth Grade		Credits
Algebra I		5	Accounting I		5
Algebra I Lab		5	Algebra I		5
Algebra II		5	Algebra I Lab		5
Apparel and Food Technology		2.5	* Algebra II Honors		5
Art I		5	Algebra II		5
Band		5	Apparel and Food Technology		2.5
Concert Choir		5	Art II		5
Theme Writing		5	Band		5
English I		5	Biology		5
CP English		5	*CP Biology		6
* English Honors I		5	Concert Choir		5
* CP Environmental Science		6	* Constitutional Law		5
Environmental Science		5	CP English II		5
French I		5	Theme Writing		5
Geometry		5	English II		5
* Geometry Honors		5	*English Honors II		5
Gourmet Foods		2.5	French II		5
Health I		1.25	Geometry		5
Journalism		5	* Geometry Honors		5
JROTC		5	Gourmet Foods		2.5
Algebra I Lab		5	Health II		1.25
Music Appreciation		5	Journalism		5
Music Theory		5	JROTC		5
Physical Education I		3.75	Music Appreciation		5
Spanish I		5	Music Theory		5
CP World History		5	Personal Finance and Computer Lit.		5
* World History - Honors		5	Physical Education II		3.75
			*Pre Calculus		5
			Public Speaking		5
			Spanish II		5
			SAT Prep Math/English		5
			Teacher Cadet I		5
			CP US History I		5
			* US History I - Honors		5

\*These courses are weighted.

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<b>Eleventh Grade</b>	<b>Credits</b>	<b>Twelfth Grade</b>	<b>Credits</b>
Accounting I	5	Accounting I	5
Accounting II	5	Accounting II	5
Advanced Child Care	2.5	Advanced Child Care	2.5
Algebra II	5	Algebra II	5
* Algebra II Honors	5	* Algebra II Honors	5
* Anatomy & Physiology H	6	* Anatomy and Physiology H	6
* AP Biology	6	* AP Biology	6
* AP Calculus	5	* AP Calculus	5
* AP Spanish	5	* AP Chemistry	6
* AP Statistics	5	* AP Statistics	5
Art III	5	* AP Spanish	5
Band	5	Art IV	5
Chemistry	5	Band	5
Child Care	2.5	Child Care	2.5
Conceptual Physics	5	Conceptual Physics	5
Concert Choir	5	Concert Choir	5
* Constitutional Law	5	* Constitutional Law	5
Contemporary Trends	5	Contemporary Trends	5
* CP Chemistry	6	* CP Chemistry	6
CP English III	5	CP English IV	5
* CP Physics	6	* CP Physics	6
Theme Writing	5	Theme Writing	5
E-Marketing	5	E-Marketing	5
English III	5	English IV	5
* English III - Honors	5	* English IV- Honors/AP	5
* Environmental Science	6	* Environmental Science	6
* French III	5	Essentials of Math	5
Health III	1.25	* French IV	5
Journalism	5	Health IV	1.25
JROTC	5	Journalism	5
Media Design	5	JROTC	5
Music Appreciation	5	Media Design	5
Music Theory	5	Music Appreciation	5
Physical Education III	3.75	Music Theory	5
* Pre Calculus	5	Physical Education IV	3.75
Public Speaking	5	* Pre Calculus	5
SAT Prep Math/English	5	Public Speaking	5
* Spanish III	5	SAT Prep Math/English	5
Teacher Cadet I	5	* Sociology/Genocidal Studies	5
Teacher Cadet II	5	* Spanish IV	5
CP US History II	5	Teacher Cadet I	5
* US History II - Honors	5	Teacher Cadet II	5
		School to Career Program	5-15

**\*These courses are weighted.**

## Business

### Personal Finance and Computer Literacy

2 semesters  
5 credits

In this course students will develop skills and strategies that promote competence in personal finance and computer literacy. Computer literacy skills include proficiency in Excel and an introduction to coding and cyber literacy. Financial literacy skills include the application of knowledge and values when making consumer and financial decisions that impact yourself, your family, and local and global communities. Specific topics covered include: income and careers, money management, credit and debt management planning, saving and investing, becoming a critical consumer, civic financial responsibility, risk management and insurance. Computer skills will be used as tools when exploring financial topics.

This course satisfies the state graduation requirements in Financial Literacy and 21st Century Life and Career Skills. This is a required course for all students at RHS beginning with the class of 2014 and those students who have not taken Computer Applications and Career Exploration.

### Automated Accounting I

2 semesters  
5 credits

This course is a study of double-entry accounting principles and business practices. It includes financial statements, the accounting cycle, accounting for assets and current liabilities, and preparation of financial statements for sole proprietorship and corporate business forms. It includes instruction in electronic spreadsheet applications. It is designed for those students who desire vocational preparation for careers in accounting, careers in related business fields or those who want to go to college and major in accounting, marketing, management or business administration.

Prerequisite: 85 or better in Personal Finance and for 11th and 12th grades only.

### Automated Accounting II

2 semesters  
5 credits

Accounting II is an accelerated course where students will learn how to record, analyze, interpret, and report financial information in a computerized environment. Curriculum includes the fundamental principles of double-entry bookkeeping for the accounting cycle, creating and analyzing financial statements, special journals, cash controls, employer payroll, and personal tax return preparation. Other areas include the use of accounting information for management planning, control in budget preparation, and the evaluation of cost behavior. Students learn how to prepare and interpret cash flow statements and make managerial decisions based on financial statement analyses.

Prerequisite: Minimum 80% average in Accounting I

### Media Design

2 semesters  
5 credits

This course provides an overview of media design using the Adobe Creative Suite including PhotoShop, Illustrator, InDesign and Dreamweaver. Image editing, basic graphic design, publication layout and web page design are explored. Students use various programs in the Creative Suite to produce photographic compositions, brochures, publication covers, advertisements, print publications, simple graphic designs and web pages. Students should feel comfortable being creative and working with more complex computer software when selecting this course. Students who are involved in Torch or the Rampage are encouraged to enroll as well as students who are interested in a career in graphic design, publication layout or web page design.

Prerequisite: Personal Finance and Computer Literacy

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### **E-Marketing**

2 semesters

5 credits

This course is designed for juniors and seniors and will teach students how to engage buyers in today's Internet-driven and social media-driven marketing environment. Traditional marketing principles will be covered as well as the profound impact of the Internet and other technologies on how marketing is approached today. Students will use the Internet extensively as a research tool and to evaluate websites. As a capstone project, students will be instructed in basic web design and will design their own website to market a specific product or company for which they have developed a marketing plan and strategy.

Prerequisite: Personal Finance and Computer Literacy

work and are required to work a minimum of 15 hours per week.

Criteria for placement in this program are completion of Word Processing and Career Exploration, Business Software and Technology. It is recommended that you take an additional business course. **You must have your course selection sheet signed by the School to Career teacher before turning your sheet into the Guidance Department.**

Prerequisites: Word Processing/Career Exploration, permission of the instructor.

### **School To Career Program**

2 semesters

15 credits

The purpose of the School to Career Program is to provide hands-on learning opportunities for seniors who will move directly from school to work or who intend to pursue technical or business training at a two-year college or trade/technical school. Students must remain employed for the entire school year. The teacher/coordinator will meet with the employer and obtain written and oral evaluation of the student's performance. Students are released from school in the afternoon to go to



## English

### Required Research Paper English I-IV

The research paper that is required is both process and product. Students are required to complete the scaffolded steps of the research process, including such steps as formulating an arguable thesis, using reliable sources for research, taking accurate notes with proper citation, creating an outline, and writing a paper that integrates the information, avoiding plagiarism and over-reliance on any one source. Students will use the technology available, including electronic sources such as are found on EBSCO Host and store materials digitally on Noodle Tools. Papers will require proper MLA citation.

### Honors Courses

Honors courses are offered to accelerated 9th, 10th, 11th and 12th grade students. Advanced supplemental materials are used to enhance the program. Summer reading is required. Students will also complete a research paper.

The high school Extended Learning Program (Gifted and Talented) is infused in the English Honors Program.

To be recommended to an Honors English class, a student must currently be maintaining at least a 90 average in his/her English course.

To continue in the Honors English Program, a student must currently be maintaining at least an 90 average in his/her Honors English course.

### English I

2 semesters  
5 credits

Freshmen will explore literature thematically, reading and analyzing both fiction and non-fiction dealing with the search of young adults for self-awareness and with the relationship of the individual to society. Summer reading is required. Students in this course will receive support in reading and writing. Students will also complete a research paper.

This course is aligned with the Common Core Curriculum Standards.

### CP English I

2 semesters  
5 credits

Freshmen will explore literature thematically, reading and analyzing both fiction and nonfiction dealing with the search of young adults for self-awareness and with the relationship of the individual to society. Summer reading is required. Students will also complete a research paper.

This course is aligned with the Common Core Curriculum Standards.

### English I – Honors

2 semesters  
5 credits

This accelerated course covers a variety of literary genre as set forth in the course description of 9th grade English. The emphasis is on the development of writing style, written response to literature, and critical thinking. Vocabulary development is approached with successful SAT achievement in mind. Summer reading is required. Students will also complete a research paper.

To be recommended to an Honors English class, a student must currently be maintaining at least a 90 average in his/her English course.

To continue in the Honors English Program, a student must currently be maintaining at least an 90 average in his/her Honors English course. This course is aligned with the Common Core Curriculum Standards.

### English II

2 semesters  
5 credits

Sophomores will explore literature thematically, reading and analyzing both fiction and



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nonfiction from around the world dealing with man's attempt to understand his universe. Students in this course will receive support in reading, writing, and presentation skills. Summer reading is required. Students will also complete a research paper.

This course is aligned with the Common Core Curriculum Standards.

### **CP English II**

2 semesters

5 credits

Sophomores will explore literature thematically, reading and analyzing both fiction and nonfiction from around the world dealing with man's attempt to understand his universe. Much of this course is devoted to improvement of oral and written language skills. Summer reading is required. Students will also complete a research paper.

This course is aligned with the Common Core Curriculum Standards.

### **English II – Honors**

2 semesters

5 credits

This accelerated course covers a variety of literary genre as set forth in the course description of 10th grade English. There is an increased emphasis of the study of the novel, especially concerning the exploration of major literary themes. Vocabulary development is approached with successful SAT achievement in mind. Summer reading is required. Students will also complete a research paper.

To be recommended to an Honors English class, a student must currently be maintaining at least a 90 average in his/her English course.

To continue in the Honors English Program, a student must currently be maintaining at least an 90 average in his/her Honors English course.

This course is aligned with the Common Core Curriculum Standards

### **English III**

2 semesters

5 credits

Juniors will study the development of American literature. Selected works of major poets, essayists, novelists, and short story writers will be examined in tracing the evolution of Democracy and the American Dream. The study of language and composition will be integrated with the study of literature. Particular emphasis is placed on PARCC skills, with support in reading and writing. Summer reading is required. Students will also complete a research paper.

This course is aligned with the Common Core Curriculum Standards.

### **CP English III**

2 semesters

5 credits

Juniors will study the development of American literature. Selected works of major poets, essayists, novelists, and short story writers will be examined in tracing the evolution of Democracy and the American Dream. The study of language and composition will be integrated with the study of literature. Particular emphasis is placed on PARCC skills. Summer reading is required. Students will also complete a research paper.

This course is aligned with the Common Core Curriculum Standards.

### **English III – Honors**

2 semesters

5 credits

The curriculum shall encompass the general English III course of study. The material is

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covered more intensely and with a greater degree of independent research, study, and projects. Vocabulary development is approached with successful SAT achievement in mind. Summer reading is required. Students will also complete a research paper.

To be recommended to an Honors English class, a student must currently be maintaining at least a 90 average in his/her English course.

To continue in the Honors English Program, a student must currently be maintaining at least an 90 average in his/her Honors English course. This course is aligned with the Common Core Curriculum Standards.

### **English IV**

2 semesters  
5 credits

Seniors will study the development of British literature, with an emphasis on the relationship between literature and history. The study of language and composition will be integrated with the study of literature. Seniors will study research techniques and will write a research paper. Students will receive support in reading, writing, and research skills. Summer reading is required.

This course is aligned with the Common Core Curriculum Standards.

### **CP English IV**

2 semesters  
5 credits

Seniors will study the development of British literature, with an emphasis on the relationship between literature and history. The study of language and composition will be integrated with the study of literature. Seniors will study research techniques and will write a research paper. Summer reading is required.

This course is aligned with the Common Core Curriculum Standards.

### **AP English Literature and Composition**

2 semesters  
5 credits

In this accelerated 12th grade course, there is an increased emphasis on the study of the development of major themes in literature. In composition and discussion, critical and analytical thinking skills are stressed. Students will do extensive composition work, writing critical or analytical essays on poems, prose passages, and complete novels and plays. Students will also complete a research paper and prepare to take the AP Test in English Literature and Composition. Summer reading is required. Students should have an A in Honors English III, as well as the approval of the instructor to take this course.

This course is aligned with the Common Core Curriculum Standards.

### **Journalism**

2 semesters  
5 credits

This course is designed for 9th – 12th grade students who are competent in reading and writing skills. Principles and techniques of newspaper writing are the focus of the course. Minimum assignments will include the writing of an acceptable news story, feature story, sports story, review, and editorial. In addition to writing, students will plan layouts, edit copy, and proofread. Students should have a B or above average in CP English the previous year, as well as the approval of the instructor.

This course is aligned with the Common Core Curriculum Standards.

### **Contemporary Trends in Layout, Design & Typography**

2 semesters  
5 credits

This course is designed for 11th and 12th grade students who are competent in reading and writing skills. Principles and techniques of yearbook journalism are the focus of this

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course. Students will work in the planning and production of the school yearbook. In addition to writing, students will plan layouts, edit copy, and proofread. It is recommended that interested students complete journalism in the 9th or 10th grade. Students should have a B or above average in CP English the previous year, as well as the approval of the instructor.

This course is aligned with the Common Core Curriculum Standards.

### **Theme Writing**

2 semesters

5 credits

This course is intended for students who want to develop their voice in their writing by incorporating literary and stylistic devices in their writing. In a workshop setting, students will explore writing in prose, poetry, drama, and film. Students will learn to evaluate their own work, as well as that of their peers, in order to revise for publication and presentation. This course is aligned with the Common Core Curriculum Standards.

Prerequisite: Students should have a “B” or better average in English the previous year, as well as the approval of the instructor.

### **Public Speaking**

2 semesters

5 credits

This course is designed to give students training in communication to help them succeed in today’s rapidly changing world. In addition to learning the purpose of speeches, students will organize, research, write, and present speeches. Other key elements of effective communication, such as listening, refuting, nonverbal cues, and evaluating will be presented. This course is aligned with the Common Core Curriculum Standards. Credits count towards practical art requirement.

Pre-requisite: Students must have a “B” or above in the previous year’s high school English class, as well as the approval of the instructor.

### **SAT Prep Math/English**

2 semesters

5 credits

Work in this course will focus on skills necessary for success on the SAT. The course will include practice tests, test taking skill, as well as lessons in Alg I, Geometry, Alg II, improving writing, identifying errors in sentences, reading comprehension, and vocabulary. SAT prep is designed to assist students in preparing for college entrance exams including, but not limited to local college entrance exams (ACCUPLACER), SAT, ACT, ASVAB, and the Postal Exam. This course is aligned with the Common Core Curriculum Standards. Course credits count towards practical art requirement.

## Fine and Practical Arts

The following courses fulfill the Fine and Practical Art Requirement:

**Fine Art - Art I, II, III, IV, Concert Choir, Music Appreciation, Music Theory, Band**

**Practical Art - Apparel and Food Technology and Gourmet Foods, Child Care and Adv Child Care, Teacher Cadet, Journalism, Public Speaking, Contemporary Trends, Media Design, E Marketing, Accounting, School to Career, Careers I, II, III, IV**

### Art I

2 semesters  
5 credits - Fine Art

This course serves as a general introduction to art. Students will be shown fundamentals in drawing, painting, and design as they work with art materials.

### Art II

2 semesters  
5 credits - Fine Art

Art begins with imagination, decisions and arrangements. In this course, students are introduced to techniques of drawing and painting through a creative approach to art.

Prerequisite: Art I or teacher recommendation

### Art III

2 semesters  
5 credits - Fine Art

This course is designed to further develop students' interest and abilities through a deeper involvement in art. Emphasis is placed on exposing students to a wide spectrum of art techniques.

Prerequisite: Art II

### Art IV

2 semesters  
5 credits - Fine Art

Students selecting Art IV are expected to have more than a casual interest in art. This course requires the completion of several major assignments and a student's active participation in the spring art festival.

Seniors only  
Prerequisite: Art II, Art III

### Independent Art

2 semesters  
5 credits - Fine Art

This class will be used to supplement the serious senior art student's schedule by providing an additional art period. Special projects and the preparation of college portfolios will be the focus of this course.

Seniors only

### Child Care

1 semester  
2 ½ credits - Practical Art

The fragile development of a child's mind is in your hands. This course will help you understand children from infants to preschool age as we explore their development and your responsibilities as a caregiver. Students will be placed in elementary classrooms for a "real life" experience with children. Open to juniors and seniors.

### Advanced Child Care

1 semester  
2 ½ credits - Practical Art

Students will continue their classroom experience through advanced placement in an independent study course. Special permission from the Child Care instructor is required after completing the Child Care class.

Prerequisite: Child Care

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### **Apparel and Food Technology**

1 semester

2 ½ credits - Practical Art

This course consists of one marking period of sewing where construction of simple garments is a course requirement and students are responsible for the cost of projects. The second marking period concerns the study of foods where nutrition and basic cooking skills are stressed.

### **Gourmet Foods**

1 semester

2 ½ credits - Practical Art

This course will focus on the advanced study of foods. It will incorporate the study of international foods, garnishing, cake decoration and other advanced techniques.

Prerequisite: Apparel and Food Technology

### **Teacher Cadet I**

2 semesters

5 credits - Practical Art

This course for sophomores through seniors is a study of the history, development, organization and practices of preschool, elementary and secondary education. This is a course for those students who possess exemplary interpersonal and leadership skills and who are considering teaching as a career. Teacher Cadet I focuses on educational theory with topics that include learning and learning styles, growth and development, history of education, and educational trends. Students will be involved in teacher shadowing where they will observe and participate in classrooms throughout the district.

Prerequisite: A minimum "B" average in English courses taken to date and instructor approval.

### **Teacher Cadet II**

2 semesters

5 credits - Practical Art

Teacher Cadet II for juniors and seniors has a primary focus on the application of the concepts learned in Teacher Cadet I. Topics covered include teaching methods and strategies, classroom procedures, ethics and professionalism, and certification and employment. Students will also complete a field experience where they will observe, participate in, and teach in a preschool, elementary, or secondary classroom within the district for a portion of the school year.

Prerequisite: Teacher Cadet I

## Health and Physical Education

### Physical Education I

3 <sup>3</sup>/<sub>4</sub> credits

3 quarters

Physical Education I is a continuation of those athletic activities offered in the 7<sup>th</sup> and 8<sup>th</sup> grade with emphasis on the more advanced individual team skills. All students will be pre and post tested in physical fitness. Students will participate in a Dance unit.

### Physical Education II

3 <sup>3</sup>/<sub>4</sub> credits

3 quarters

Physical Education II is a continuation of those activities offered in P.E. I with a greater emphasis on terminology, rules and regulations, and strategy. All students will be pre and post tested in physical fitness. Students will participate a Dance unit.

### Physical Education III

3 <sup>3</sup>/<sub>4</sub> credits

3 quarters

Physical Education III students receive instruction in group and individual recreational activities that may be utilized in later life. Such activities are: archery, softball, table tennis, bocce ball, volleyball, horseshoes, badminton, golf, handball, and weight training. All students will be pre and post-tested in physical fitness. Students will participate in a Dance unit.

### Physical Education IV

3 <sup>3</sup>/<sub>4</sub> credits

3 quarters

Physical Education IV is a continuation of those activities offered in P.E. III with a greater emphasis on the individual recreational activities. All students are pre and post-tested in physical fitness. Students will participate in a Dance unit.

### Health I

1 <sup>1</sup>/<sub>4</sub> credits

1 quarter

Ninth graders will receive an in depth study of human sexuality and its related areas. Areas of discussion will include physiology of reproduction, prevention, and treatment of related diseases, decision making, social issues, child development and parental responsibility.

### Health II

1 <sup>1</sup>/<sub>4</sub> credits

1 quarter

Tenth grade students will receive the theoretical knowledge of driver's education. Upon successful completion of Health II, students will have obtained a knowledge of New Jersey Highway Rules and Regulations, as well as proper attitude for safe driving.

### Health III

1 <sup>1</sup>/<sub>4</sub> credits

1 quarter

Junior Health is an in depth study of family living life skills. Area discussions include marriage, divorce, death and dying, family budgeting and finance, and family responsibility.

### Health IV

1 <sup>1</sup>/<sub>4</sub> credits

1 quarter

Seniors will receive an in depth study in emergency care and response. Other areas of discussion will include AIDS, heart disease, drug and alcohol abuse and use, as well as physical fitness.



## Junior Reserve Officers' Training Corps

The objectives of the JROTC are to develop in each student better citizenship, self-reliance, leadership, responsiveness to constituted authority, a knowledge of basic military skills, an appreciation of the role of the US Army in support of national objectives, an ability to communicate effectively both orally and in a written manner, and an appreciation of the importance of physical education to the accomplishment of these objectives. Students who complete the first two years of the JROTC program, LET 1 and LET 2, may be exempt from taking physical education and health provided they have achieved a passing grade in their current physical education and health class.

### Leadership Education and Training 1 (LET 1)

2 semesters  
5 credits

This first year JROTC course is designed to give students an understanding of the evolution of US citizenship and the freedom stated in the Bill of Rights. The history, purpose, ranks, organizational structure and rewards of the Army JROTC program and the traditions, customs, and courtesies of the military are covered. Instruction is given on the importance that leadership traits, principles and styles have on being an effective leader. First year students must also demonstrate proficiency in the proper manner to wear the JROTC uniform and execute individual drill.

### Leadership Education and Training 2 (LET 2)

2 semesters  
5 credits

The second year course includes instruction in American military history and policy from World War II to the present. The importance of the constitutional basis for the US Army, military values and national values is stressed. Students will learn the importance of the four values of leadership and

demonstrate proficiency in individual, squad and platoon drill.

Prerequisite: LET 1

### \*Leadership Education and Training 3 (LET 3)

2 semesters  
5 credits

The third year course includes instruction in American military history of the US Army during the period of 1865 to 1903, the growth of the US Navy from 1890 to 1900, and the causes for the US entry into World War I. Students will learn the importance of how the communication, problem-solving/decision making, planning, and techniques of supervision processes operate. They will demonstrate proficiency in executing individual drill and platoon/company drill.

Prerequisite: LET 1 and 2

### \*Leadership Education and Training 4 (LET 4)

2 semesters  
5 credits

Fourth year students work a programmed text which includes instruction on the events that caused the American colonists to seek independence from England, and role and development of the US military during the period from the end of the Revolution to the Civil War. They will be required to present and critique classroom material, prepare lesson plans as an assistant instructor, and participate as senior members of the Cadet Battalion in assigned command or staff positions.

Prerequisite: LET 1,2 and 3

\*These courses also satisfy the State of New Jersey's core Course Curriculum Standards for Health and Physical Education.



## Languages

### French I

2 semesters  
5 credits

This course is designed for a student who plans to attend a four year college. This course introduces both French language and culture with a primary emphasis on grammatical concepts, vocabulary, and basic communication skills in the target language.

### French II

2 semesters  
5 credits

French II is a continuation of French I. The goal of the class is for students to become more proficient in speaking, listening, reading and writing in the target language.

Prerequisite: A “C” or higher in French I.

### French III

2 semesters  
5 credits

French III is the continuation of French II. All classes are conducted entirely in French and students are expected to communicate exclusively in French. Students will be able to practice in many ways including through individual writing exercises, projects, oral presentations, etc. Reading and writing skills are practiced through a variety of books, classic novels and short stories. Students will explore and discuss French-speaking culture and films. Students will be able to use technology to acquire current cultural information in order to develop a more accurate impression of the culture studied.

Prerequisite: A “C” or better in French II

### French IV

2 semesters  
5 credits

This course is a continuation of French III. In addition, students will be expected to write composi-

tions in French. Students will be able to understand and recognize verbal cues within a culture. They will explore and discuss representative works of art and novels among French artists and authors. Students will compare the customs of their own culture to the French culture. Films are part of this program. RCBC offers college credit for successful completion of this course with a “C” or better for a small fee.

Prerequisite: A “C” or better in French III

### Exploratory Spanish I

2 semesters  
5 credits

Exploratory Spanish I is designed for a student who does not plan to attend a four year college. This course provides students with a conversational base in the Spanish language and places an emphasis on basic vocabulary and grammatical concepts. A general knowledge of the geography and lifestyles of the Spanish-speaking world will be integrated into the course. If desired, those students receiving a “C” or above in Exploratory Spanish I and Exploratory Spanish II are eligible to take Spanish II with teacher approval.

### Spanish I

2 semesters  
5 credits

This is a course designed for a student who plans to attend a four year college. This course introduces both Spanish language and culture with a primary emphasis on grammatical concepts, vocabulary, and basic communication skills in the target language.

### Spanish II

2 semesters  
5 credits

This course is a continuation of Spanish I. The goal of the class is for students to be proficient in speaking, listening, reading and writing.

Prerequisite: A “C” or higher in Spanish I

**Spanish III**

2 semesters

5 credits

Spanish III is the continuation of Spanish II. All classes are conducted entirely in Spanish and students are expected to communicate exclusively in Spanish. Students will be able to practice in many ways including through individual writing exercises, projects, oral presentations, etc. Reading and writing skills are practiced through a variety of books, classic novels, and short stories. Students will explore and discuss Spanish-speaking cultures and films. Students will be able to use technology to acquire current cultural information in order to develop a more accurate impression of the culture studied. Prerequisite: A “C” or better in Spanish II

**Spanish IV**

2 semesters

5 credits

This course is a continuation of Spanish III. In addition, students will write compositions in Spanish. They will be able to understand and recognize verbal cues within a culture. They will explore and discuss representative works of art and novels among Spanish artists and authors. Students will compare the customs of their own culture to the Spanish culture. Films are part of this program. RCBC offers college credit for successful completion of this course with a “C” or better.

Prerequisite: A “C” or better in Spanish III

**AP Spanish Language**

2 semesters

5 credits

This is an advanced course that emphasizes a high level of proficiency in the use of the Spanish Language. The coursework concentrates on developing the use of grammatical concepts, complex structures in writing, fluency in oral presentations, and competence in listening comprehension. Half of the semester will concentrate on preparing for the AP examination.

**Mathematics****Algebra I Lab**

2 semesters

5 credits

The Algebra I Lab course is designed to assist students as they progress through Algebra I. Each student will be involved in an intensive review of prerequisite material for Algebra I. Each student will also perform a systematic strengthening of the material current in the Algebra curriculum. This course is not designed as an elective. Rather, students will have this course included in their schedule based on their performance on prior state-mandated tests, portfolio review, and teacher recommendation.

**Algebra I**

2 semesters

5 credits

Algebra I is a study of the language, concepts, and techniques of Algebra that will prepare each student to approach and solve problems related to functionality.

**Geometry**

2 semesters

5 credits

Successful completion of Algebra I is a prerequisite for Geometry. **A student is permitted to take Geometry and Algebra II simultaneously, given teacher recommendation.** Some of the general topics covered in geometry are basic geometric figures, deductive reasoning, parallel lines and planes, congruent triangles, quadrilaterals, inequalities of geometry, and polygons.

## PROGRAM OF STUDIES

### Geometry Honors

2 semesters  
5 credits

Successful completion of Algebra I with a final grade of 90 or better is a pre-requisite for Geometry Honors. **A student is permitted to take Geometry Honors and Algebra II simultaneously given teacher recommendation.** Some of the general topics covered in geometry are basic geometric figures, deductive reasoning, parallel lines, and planes, congruent triangles, quadrilaterals, inequalities of geometry, and polygons. Specific emphasis will be placed on higher-level organizational skills, creating and understanding proofs, logic, and advanced constructions.

### Algebra II

2 semesters  
5 credits

Successful completion of Algebra I & Geometry are pre-requisites for entrance into Algebra II. This course extends topics first covered in Algebra I, and provides advanced skills in relation to functions. Other higher-level Algebra skills will be introduced.

### Algebra II Honors

2 semesters  
5 credits

Successful completion of Algebra I & Geometry with an average final grade of 90 or better in both courses is a pre-requisite for Algebra II Honors. **A student is permitted to take Honors Geometry and Honors Algebra II simultaneously given teacher recommendation.** Some of the general topics covered in Algebra II are Equations and Inequalities, Linear Equations and Functions, Linear Systems and Matrices, Quadratic Functions and Factoring, Polynomials and Polynomial Functions, rational exponents and Radical Functions, Exponents and Logarithms, Rational Functions, Quadratic Relations

and Conic Sections, Counting and Probability, Data Analysis and Statistics, Sequences and Series, Trigonometric Ratios and Functions, and Trigonometric Graphs and Identities.

### Pre Calculus

2 semesters  
5 credits

Successful completion of Algebra I, II, and Geometry are pre-requisites for Pre Calculus. In this class we will explore topics that will be applied in calculus. Pre-calculus is a program of mathematical studies focusing on the development of the student's ability to understand and apply the study of functions and advanced mathematical concepts to solve problems.

Prerequisite: A final grade of 75 or better is required in Algebra II.

### AP Calculus

2 semesters  
5 credits

An AP course in calculus consists of a full high school academic year of work comparable to calculus courses at colleges and universities. It is expected that students who take this course will seek college credit and/or advanced college placement.

Prerequisite: A final grade of 80 or better in pre-calculus.

### AP Statistics

2 semesters  
5 credits

This course is designed for students who have successfully completed Algebra II, and would like to advance their career in mathematics. Students will be able to effectively conduct research, read and evaluate journal articles, further develop their critical thinking and analytical skills, act as informed consumers, and know when they need to utilize outside statistical help.

### **SAT Prep Math/English**

2 semesters

5 credits

Work in this course will focus on skills necessary for success on the SAT. The course will include practice tests, test taking skill, as well as lessons in Alg I, Geometry, Alg II, improving writing, identifying errors in sentences, reading comprehension, and vocabulary. SAT prep is designed to assist students in preparing for college entrance exams including, but not limited to local college entrance exams (ACCUPLACER), SAT, ACT, ASVAB, and the Postal Exam. This course is aligned with the Common Core Curriculum Standards. Course credits count towards practical art requirement.

### **Essentials of Mathematics**

2 semesters

5 credits

This section of Essentials of Math is an elective for students who are interested in taking another year of math after meeting the Algebra 1, Geometry, and Algebra 2 requirements for graduation. Students who have completed pre-calculus are also eligible to enroll in this section of the course.

This course is designed to prepare students for higher level math concepts and college algebra. Students will need to be signed into the course by the essentials classroom teacher.

## **Music**

### **Band**

2 semesters

5 credits - Fine Art

The Riverside High School Band program takes as its mission the development of the instrumental skills of each of its members to their highest degree, the fostering of the personal discipline needed to achieve both musical and nonmusical goals, the understanding of music as it relates to not only our own life and culture but also to the lives and cultures of others, and the personal satisfaction that is achieved by participating in a quality performing ensemble.

In order to fulfill this mission, the band program offers daily instruction in a full band setting as well as weekly semi-private pull out lessons. Band students will focus on the skills and techniques necessary to achieve an outstanding musical experience for both the performer and the audience. To achieve this end, students will be expected to master appropriate method books and perform quality band literature. All instruction will be geared toward helping each student reach his fullest potential as a musician.

Students who enroll in band are required to participate in all performance events. For Marching Band, this includes summer Marching Band Camp, rehearsals and competitions in the fall, parades, plus home and away football games. Performance events for the Concert Band include, but are not limited to, various festivals and additional public concert performances. Membership in band requires a great deal of student commitment in terms of performance and practice time. The benefits are many for the serious student musicians who seek the best that they can be.

## PROGRAM OF STUDIES

### **Concert Choir**

2 semesters  
5 credits - Fine Art

Riverside High School Concert Choir is a fine arts elective vocal ensemble. The Concert Choir performs at two annual school concerts, in December and May, holiday events, and other local performance opportunities throughout the year.

The Riverside High School Concert Choir member is a dedicated student and musician who has a passion for singing and performing. Students in the Concert Choir are expected to be positive role models and leaders as representatives of the Riverside High School Music Program. All students in Concert Choir are expected to perform in both annual concerts, as well as all other performance opportunities.

In the class, performance skills are reinforced through the learning and performance of choral music from many different genres, styles, and cultures. Students will improve their vocal techniques by focusing on proper breathing, singer's posture and body alignment, diction, tone quality, and basic musicianship skills. The RHS Concert Choir's mission is to promote the importance of quality, improve our musical skills as individuals, and, most importantly, be a team that works together and supports each other in our common goals.

### **Music Appreciation**

2 semesters  
5 credits - Fine Art

As a general music class for high school students, Music Appreciation is a course that covers a wide variety of musical topics. Topics covered include basic musical elements (beat, rhythm, melody, harmony, timbre, and form), musical time periods, famous composers from around the world, musical genres (classical, jazz, blues, hip-hop, etc.), instrumental families and vocal categories, and the music industry. Students will also have the opportunity to learn basic music notation and composition. Music Appreciation is the class for

the student who has an interest in music, and would like to learn more about the different areas and topics associated with it.

### **Music Theory**

2 semesters  
5 credits - Fine Art

Music Theory focuses on the technical aspects of music and musical composition. The course begins with learning how to read musical notation, and proceeds on to more complex topics. Students will apply their knowledge by playing and composing music. Other topics covered include the Circle of Fifths and key signatures, intervals, major and minor keys and scales, chords and harmonic progression, and basic musical composition. This is the class for the student with prior musical knowledge, and who would like to build and expand upon his or her abilities.

## Science

### Environmental Science

2 semesters  
5 credits

This course is designed to immerse students in the physical, biological, and earth systems sciences that shape our environment. Scientific concepts, principles and modern science practices allow students to analyze environmental issues, both natural and human induced, and engage in evidence-based decision making in real world contexts. Students will be required to research current environmental issues in New Jersey and around the world, expanding the idea of a global community and interconnections among all species on earth.

### Biology

2 semesters  
5 credits

This course is designed for tenth grade students who have already taken Environmental Science. It is a non-laboratory course in which students will become familiar with the principles of biology, cells, classifications of organisms, evolution, genetics, characteristics of the six kingdoms of life and ecological concepts. Hands on activities and periodic projects will reinforce the concepts of life science.

Prerequisite: Passing grade in Environmental Science.

### Chemistry

2 semesters  
5 credits

This course is designed to fulfill the third year of science required for graduation. It is a non-laboratory course in which students will study the concepts in chemistry. The study of atomic structure, the nature of matter, elements and their characteristics, molecular structure, compounds and chemical reactions will all be addressed throughout the year.

Prerequisite: Passing Biology or equivalent.

### College Preparatory Environmental Science

2 semesters  
6 credits

This course will provide opportunities for the use of scientific procedures and equipment in carrying our first-hand, on site investigations which affect the environment. Students will explore and evaluate alternatives to the existing environmental conditions in terms of scientific or technological feasibility, cost, the effect on the economy, and the quality of life in the community. In cases in which environmental improvement is desirable, the students will develop and evaluate proposals for achieving desired improvement. The environmental conditions studied may involve natural resource use, waste disposal, or pollution (air, water, land, visual or sound) issues. A study of biomes, species interactions, population dynamics and human population trends will also be covered. Students will be required to research current environmental issues in New Jersey and around the world, expanding the idea of a global community and the interconnections among all species on earth.

### College Preparatory Biology

2 semesters  
6 credits

This course introduces the basic concepts of life science. Students will become acquainted with the principles of biology: cellular biology, genetics, molecular biology, evolution and a survey of both plant and animal life. Laboratory work is an integral part of the course with students developing skills with the microscope and using proper dissection techniques. Critical reasoning and its applications are emphasized, social skills are discussed, and future study and career possibilities are explored. Assessment will be based on quizzes, tests, lab reports, homework and other projects.

Prerequisites: A "B" average in Environmental Science or a "C" in CP Environmental Science.



### College Preparatory Chemistry

2 semesters  
6 credits

This college prep course is designed primarily for students who have an interest in pursuing a career in the sciences, medicine, engineering or technology. The course is fast paced and approaches the subject from a theoretical point of view. Students will be expected to perform laboratory experiments on a weekly basis. Topics include: atomic structure, periodicity, reactivity, stoichiometry, bonding and molecular structure, types of reaction, acids and bases, and reaction equilibria. Assessment will be based on homework, quizzes, tests, laboratory reports and long-term projects.

Prerequisite: A “C” or higher in CP Biology. Also, a “B” or higher in Alg I or approval of the CP Chemistry teacher is required.

### Conceptual Physics

2 semesters  
5 credits

This course provides a conceptually-based exposure to the fundamental principles and processes of the physical world. It will de-emphasize the mathematics, **but not eliminate it**. Topics include basic concepts of motion, forces, energy, heat, electricity, magnetism, and the structure of matter and the universe. Demonstrations, activities and laboratory experiments enhance and consolidate the understanding of basic physical principles and applications. The laboratory/activity section of this course is designed to develop your investigative skill as well as your problem solving skills and independent critical thinking. Prerequisite: A passing grade in Biology and a passing grade in Algebra I.

### College Preparatory Physics

2 semesters  
6 credits

This is a lab-based course that requires students to apply mathematical principles to solve practical problems. It is an accelerated course that prepares the student for a four-year college program. This course is ideally suited for, but not limited to those students with an interest in studying mathematics, science or engineering in college. Students will gain an understanding of classical mechanics dealing with one and two dimensional motion, Newtonian laws, conservation of work and energy, impulse and momentum, circular motion, and the fundamentals of electricity, magnetism, sound and light. There is an emphasis on laboratory investigations designed to develop investigative and problem solving skills and independent critical thinking. Students are encouraged to compete in the TEAMS (Tests of Engineering, Aptitude, Mathematics and Science) competition. A strong foundation in mathematics is essential for this course. College Accelerated Program (CAP) Credit may be available for this course.

Prerequisites: A “B” or higher in Algebra II and previous science class and concurrent enrollment or successful completion of pre-calculus, and/or approval of the instructor required. Previous or current knowledge of trigonometry is essential. Conceptual Physics recommended.

### Anatomy and Physiology Honors

2 semesters  
6 credits

This course is designed to introduce students to the structure and function of the human body. Students will explore the chemical basis of life, cellular metabolism, and the framework of the body. The systems of the body will be explored in detail with an emphasis on dysfunctions of these systems. Laboratory activities and animal dissections will explore these areas in further detail. Students will



## PROGRAM OF STUDIES

be required to research topics in anatomy and physiology and communicate their research both in writing and orally. Assessments will be based on homework, tests, lab reports, scientific writing, and other long-term projects.

Prerequisite: A “C” or higher in CP Biology or CP Chemistry.

Prerequisite: A grade of “A” CP Chemistry and an “A” in Algebra II. Approval from AP Chemistry instructor and instructors of prerequisite courses.

### **Advanced Placement Biology**

2 semesters

6 credits

This course is designed to be the equivalent of an introductory college biology course, usually taken by biology majors in their first year. The AP Biology course differs significantly from the CP Biology course with respect to the textbook used, the range and depth of topics covered, the type of laboratory work performed, and the time and effort required from students. AP Biology aims to provide students with the conceptual framework, knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. College Board guidelines are followed in shaping the course. Students enrolled in this course are required to take the AP exam in May.

Prerequisites: A grade of “A” in CP Biology and CP Chemistry and approval from the AP Biology instructor and prerequisite teachers.

### **AP Chemistry**

2 semesters

6 credits

AP Chemistry is designed to be the equivalent to the general chemistry course usually taken during the first year of college. Students will attain a depth of understanding of fundamentals and a competence in dealing with chemical problems. This course helps develop the students’ ability to think clearly and express their ideas, orally and in writing, with clarity and logic. Emphasis will be placed on chemical calculations, mathematical formulation of principles, and intense lab work. Students enrolled in this course are required to take the AP exam in May.

## Social Studies

### CP World History

2 semesters  
5 credits

World History is a state-mandated requirement for graduation. This course provides students with a multicultural focus on attributes, values, and contributions of different societies, within a context of geographic concepts. Also, the course encourages an understanding of human development from the Renaissance to the complex societies of today. Further, it presents concepts and skills which help us understand ourselves, our relationship with the physical environment, and our interdependence with others.

### World History Honors

2 semesters  
5 credits

The curriculum shall encompass the general course of study for World History. The material in this course is covered more intensively and with a greater degree of research, study and projects.

Prerequisite: Teacher recommendation required.

### CP US History I

2 semesters  
5 credits

CP US History I is a requirement for graduation. A survey course, CP US I is a chronological study of the development of the United States from the arrival of the earliest Asian nomads to the Americans, until the post-Civil War years, with an emphasis on New Jersey. The course includes a study of the US Constitution, map skills and vocabulary development. It offers insight into and appreciation of the development of our nation, the characteristics of its people, and the evolution of the Republic from idealistic concept to world power.

### US History I Honors

2 semesters  
5 credits

The curriculum shall encompass the general course of study for US History I. The material in this course is covered more intensively and with a greater degree of research, study and projects.

Prerequisite: a 90 average in World History and a teacher recommendation.

### CP US History II

2 semesters  
5 credits

CP US History II is a survey course required for graduation. CP US History II is a chronological continuation of US I. The political, economic, social and cultural history of the post-Civil War United States forms the substance of the course. Outside reading, research and writing opportunities enrich the curriculum. Current events are an important component of this course.

Prerequisite: CP US History I

### US History II Honors

2 semesters  
5 credits

The curriculum shall encompass the general course of study for US History II. The material in this course is covered more intensively and with a greater degree of research, study and projects.

Prerequisite: A 90 average in US History I and a teacher recommendation required.

### Sociology/Genocidal Studies

2 semesters  
5 credits

Sociology is the study of human behavior. Specifically, sociology deals with how groups influence the individual and how the individual influences the group. Using concepts of culture and social institutions as its basic material, sociology

## PROGRAM OF STUDIES

explores the content, methodology, and interrelationships of those studies seeking to record and explain man's social behavior in a modern world.

Genocidal Studies will examine historical instances of Genocide worldwide. Human behavior, political, economic and military reasons will be explored, compared and contrasted to provide students with a basic understanding of this human affliction.

Prerequisite: Teacher recommendation plus an 85 overall GPA is recommended.

### **Constitutional Law**

2 semesters

5 credits

This elective course is open to 10th, 11th, and 12th grade students. The course will be divided into two semesters. In the 1st semester students will study the creation, implementation, responsibilities, and interconnections of local, state, and federal governments. In the second semester students will utilize past court cases dealing with Constitutional law as case studies for understanding and interpreting the US Constitution.

Prerequisite: An 85 or better in all previous social studies courses is recommended.

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