

## Graduation Requirements

1. Riverside High School requires 130 credits for graduation.
2. Every student must take and demonstrate proficiencies 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 of lab biology, 1 year of chemistry, environmental sci, or physics, and 1 additional year of science.
  - 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 the High School Proficiency Assessment in Language Arts and Mathematics given in the eleventh grade as a graduation requirement. Students who do not meet the state standard 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. Homeroom 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
  - b) Social Studies (US History I, US History II, World History I, Sociology)
  - c) Science (IPS, College Prep Biology, College Prep Chemistry, Chemistry in the Community, Anatomy, Physics, Environmental Science)
  - d) Languages
  - e) Math (Algebra I, Algebra II, GTA I, GTA II, Pre Calculus, Calculus, Geometry)
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.

SCIENCE DEPARTMENT COURSE SEQUENCING				
	9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>
Accelerated	CP Biology	<ul style="list-style-type: none"> <li>CP Chemistry</li> </ul>	<ul style="list-style-type: none"> <li>CP Physics</li> <li>Anatomy</li> <li>AP Biology</li> <li>AP Environmental</li> </ul>	<ul style="list-style-type: none"> <li>AP Biology</li> <li>Anatomy</li> <li>CP Physics</li> <li>AP Environmental</li> </ul>
College Prep	IPS	CP Biology	<ul style="list-style-type: none"> <li>CP Chemistry</li> <li>CP Physics</li> <li>Chemistry in the Community</li> <li>Environmental Science</li> </ul>	<ul style="list-style-type: none"> <li>CP Physics</li> <li>AP Environ. Sci.</li> <li>Anatomy</li> <li>AP Biology</li> <li>CP Chemistry</li> <li>Environ. Sci.</li> <li>Chem. in the Community</li> </ul>
General	Sci Con. I	<ul style="list-style-type: none"> <li>Science Con. II</li> <li>CP Biology</li> </ul>	<ul style="list-style-type: none"> <li>Science Con. III</li> <li>Chem. in the Community</li> <li>Environmental Science</li> </ul>	<ul style="list-style-type: none"> <li>Environ. Sci</li> <li>Chem. in the Community</li> </ul>

MATH DEPARTMENT COURSE SEQUENCING				
	9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>
Accelerated	Geometry	Algebra II	Pre Calculus	Calculus
College Prep	Algebra I	Geometry	Algebra II	Pre Calculus
General	Algebra I	Geometry	Algebra II	

PROGRAM OF STUDIES

## Course Offerings

Ninth Grade		Credits	Tenth Grade		Credits
Algebra I		5	Accounting I		5
Algebra I Lab		5	Algebra I		5
Apparel and Food Technology		2.5	Algebra I Lab		5
Art I		5	Algebra II		5
Band		5	Apparel and Food Technology		2.5
CAD I		5	Art II		5
Concert Choir		5	Band		5
* CP Biology		6	Concert Choir		5
English I		5	CAD I or CAD II		5
CP English		5	Constitutional Law		5
* English Honors I		5	* CP Biology		6
French I		5	CP English II		5
Geometry		5	CP US History I		5
* Geometry Honors		5	English II		5
Gourmet Foods		2.5	*English Honors II		5
Health I		1.25	French II		5
Introduction to Physical Science		5	Geometry		5
Journalism		5	* Geometry Honors		5
JROTC		5	Geometry Lab		5
Language Arts Lab 9-10		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	Language Arts Lab 9-10		5
Theme Writing		5	Algebra I Lab		5
Science Concepts I		5	Music Appreciation		5
Spanish I		5	Music Theory		5
Woodshop		5	Personal Finance and Computer Lit.		5
World History		5	Physical Education II		3.75
* World History - Honors		5	Science Concepts II		5
			Spanish II		5
			Theme Writing		5
			US History I		5
			* US History I - Honors		5
			Woodshop		5

**\*These courses are weighted.**

PROGRAM OF STUDIES

## Course Offerings

Eleventh Grade	Credits	Twelfth Grade	Credits
Accounting I	5	Accounting I	5
Advanced Child Care	2.5	Advanced Child Care	2.5
Algebra I	5	Algebra II	5
Algebra II	5	* Anatomy and Physiology H	6
* Anatomy & Physiology H	6	* AP Biology	6
* AP Biology	6	* AP Environmental Science	6
* AP Environmental Science	6	Art IV	5
Art III	5	Band	5
Band	5	* Calculus	5
CAD I	5	CAD I	5
CAD II	5	CAD II	5
Chemistry in the Community	5	Chemistry in the Community	5
Child Care	2.5	Child Care	2.5
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 Physics	6
CP US History II	5	CP English IV	5
* CP Physics	6	English IV	5
English III	5	* English IV- Honors/AP	5
* English III - Honors	5	* Environmental Science	6
* Environmental Science	6	* French IV	5
* French III	5	Geometry	5
Geometry	5	* Geometry Honors	5
* Geometry Honors	5	Health IV	1.25
Geometry Lab	5	HSPA 12 Language Arts	5
Health III	1.25	HSPA 12 Math	5
HSPA 11 Language Arts	5	Journalism	5
HSPA 11 Math	5	JROTC	5
Journalism	5	Media Design	5
JROTC	5	Music Appreciation	5
Media Design	5	Music Theory	5
Music Appreciation	5	Physical Education IV	3.75
Music Theory	5	* Pre Calculus	5
Physical Education III	3.75	Science Concepts III	5
* CP Physics	6	* Sociology/Genocidal Studies	5
* Pre Calculus	5	* Spanish IV, AP Spanish	5
Science Concepts III	5	Teacher Cadet Program	5
* Spanish III	5	Theme Writing	5
Teacher Cadet Program	5	Woodshop	5
Theme Writing	5	School to Career Program	5-15
US History II	5		
* US History II - Honors	5		
Woodshop	5		

\*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 Microsoft Word, Excel and PowerPoint. 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.

### **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

### **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 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.

# English

## Honors Courses

Honors courses are offered to accelerated 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> grade students. Advanced supplemental materials are used to enhance the program. 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

This course is offered to freshmen who have been identified as below level in study, reading, or writing skills. Both the literature anthology and the grammar series used concentrate on basic skills needed to perform well on the HSPA.

### 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.

### English I – Honors

2 semesters  
5 credits

This accelerated course covers a variety of literary genre as set forth in the course description of 9<sup>th</sup> 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.

### English II

2 semesters  
5 credits

This course is designed for sophomores who require specialized work in reading, writing, and speaking skills, especially for those who have not done well on the GEPA. Work in language and composition is correlated with the study of literature. The literary selections are international in origin.

### 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.

### English II – Honors

2 semesters  
5 credits

This accelerated course covers a variety of literary genre as set forth in the course description of 10<sup>th</sup> 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.



## PROGRAM OF STUDIES

### **English III**

2 semesters

5 credits

This course is designed for juniors who require specialized work in reading, writing, and speaking skills. Written skills will be emphasized by the practical application of grammar and usage in composition correlated to their study of American literature. Particular emphasis is placed on HSPA skills.

### **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 HSPA skills.

### **English III – Honors**

2 semesters

5 credits

The curriculum shall encompass the general English III course of study. The material is covered more intensely and with a greater degree of independent research, study, and projects. Vocabulary development is approached with successful SAT achievement in mind.

### **HSPA - Language Arts Literacy**

2 semesters

5 Credits

Designed for juniors who have been identified as needing a additional help with reading and writing and for those seniors who have not passed the Language Arts Literacy test, this course provides many opportunities to achieve success on the HSPA.

### **English IV**

2 semesters

5 credits

This course is designed for seniors who require specialized work in reading, writing, and speaking skills. Written skills will be emphasized by the practical application of grammar and usage in composition correlated to their study of world literature. Seniors will study research techniques and write a research paper.

### **CP English IV**

2 semesters

5 credits

Seniors will study the chronological 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.

## PROGRAM OF STUDIES

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

2 semesters  
5 credits

In this accelerated 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 prepare to take the AP Test in English Literature and Composition.

### **Journalism**

2 semesters  
5 credits

This course is designed for 9<sup>th</sup> – 12<sup>th</sup> 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.

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

2 semesters  
5 credits

This course is designed for 11<sup>th</sup> and 12<sup>th</sup> grade students who are competent in reading and writing skills. It is recommended that interested students complete journalism in the 9<sup>th</sup> or 10<sup>th</sup> grade. Principles and techniques of yearbook journalism are the focus of this 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.

### **Language Arts Lab 9-10**

2 semesters  
5 credits

This is a laboratory course for students who are reading below grade level and can benefit from corrective or remedial work. Students are assigned a variety of activities in reading, writing, speaking, listening, and thinking which are suited to their needs and abilities. It is a requirement for any student who did not achieve the State Standard on the NJ ASK 8 or S - Test.

### **Theme Writing**

2 semesters  
5 credits

Theme Writing is an advanced writing course for students who want to develop their writing skills. This course is recommended for only those sophomores, juniors, and seniors who are planning to attend college.

## Fine and Practical Arts

### Art I

1 semester  
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

### 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.

## PROGRAM OF STUDIES

### **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

### **General Woodshop**

2 semester

5 credits - Practical Art

This course will give the student an introduction to the basic hand tools, proper use and care, types of wood and safety measures necessary in shop. The student may select a project from an approved list to complete during the length of the course.

### **Computer Aided Design I (CAD I)**

2 semesters

5 credits - Practical Art

CAD I is a course that allows students to learn about basic drafting concepts, terminology and fundamental design. Students will also be introduced to technology problem solving. Using the computer, students will develop solutions to solve simple design problems with a variety of CAD software.

### **Computer Aided Design II (CAD II)**

2 semesters

5 credits - Practical Art

CAD II is a course where students are given the opportunity to use Autocad LT 2005, powerful and motivating software. Students will use problem solving skills and computer applications to create solutions to interesting hands-on problems.

Prerequisite: CAD I

### **Teacher Cadet Program**

2 semesters

5 credits - Practical Art

This course for juniors and seniors will consist of lecture, discovery, discussion, simulation, debate, observations, videotaped lessons, role-playing, problem solving, decision-making, and field experience. Students will observe and participate in classrooms at the kindergarten, primary, elementary, middle school and high school levels. Students will learn about various personnel in the educational system and their responsibilities (ex. superintendent, principal, curriculum coordinator, school board member, guidance counselor, special education teacher, psychologist, speech therapist, etc.). The students will also discuss the positive and negative aspects of teaching as a career. Students will also be involved in field experiences and observations within a variety of classrooms. This course will fulfill practical arts credit requirements.

## 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 folk and country line dancing.

### 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 in folk and country line dancing.

### 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, tennis, 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 folk and country line dancing.

### 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 folk and country line dancing.

### 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

An introduction to French language and cultures, students will learn basic grammar and vocabulary through dialogues, short reading selections and teacher prepared materials. Students will be able to participate in rudimentary conversations in French with good pronunciation. Students will be able to talk about themselves and their environment on a simple level. Films, cooking, student productions and special cultural projects will be included in this program.

### French II

2 semesters  
5 credits

A continuation of French I, all classes are conducted entirely in French. Reading, writing, listening, comprehension and speaking are the basics of this course. Students will be able to communicate effectively with good pronunciation on most topics. Use of present, past and future tenses will be emphasized. Vocabulary of the student will be greatly increased during this year. Films, cooking, student productions and special cultural projects are an important part of this program.

### French III

2 semesters  
5 credits

The goal of this course is communicative competence. All classes are conducted entirely in French. Reading and writing skills are practiced through a variety of literary studies, including anthologies, classic novels and short stories. Students will be expected to be able to write in French. Oral and listening comprehension skills are practiced through daily conversations and the study of French phonetics. Films, cooking, student productions and special cultural projects are an integral part of this program.

### French IV

2 semesters  
5 credits

This course is a continuation of French III. In addition, students will be expected to write lengthy compositions in French. Students must continue to contribute to and sometimes direct student discussions in class.

### Spanish I

2 semesters  
5 credits

This is an entry-level course introducing both Spanish language and culture. Primary emphasis in this course is to use grammar correctly, build vocabulary and practice basic communication skills. Students will also learn about different cultures. While Spanish I requires no prerequisite coursework, good communication skills are a great asset to success in this and future language courses.

### 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 the language in speaking, understanding, reading and writing. Students will be given the opportunity to be immersed as much as possible in the language as well as the culture, including the customs of the Spanish-speaking people, their food, music, dance, movies, art and history. Students will be able to practice in many ways through individual writing exercises, projects, and oral presentations. Students will be encouraged to speak Spanish every day and may only speak English if they ask permission first. The use of present, past, future, and conditional tenses will be emphasized as well as some colloquial language. Students' vocabulary will be greatly increased during this year.

### **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 that language. 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. Video tape productions are part of this program. Students will be able to use technology to acquire current cultural information in order to develop a more accurate impression of the culture studied.

### **Spanish IV**

2 semesters  
5 credits

This course is a continuation of Spanish III. In addition, students will write lengthy 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. Students will compare the customs of their own culture to the Spanish culture. Films and student presentations are part of this program.

### **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 Lab

2 semesters  
5 credits

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

## Geometry

2 semesters  
5 credits

Successful completion of Algebra I is a pre-requisite 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.

## Geometry Honors

2 semesters  
5 credits

Successful completion of Algebra I is a pre-requisite for Geometry. **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 Lab

2 semesters  
5 credits

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

### **Algebra II**

2 semesters  
5 credits

Students taking Algebra II should have attained a “C” or better in Algebra I and passed Geometry. Students wishing to take Algebra II and Geometry at the same time need a teacher recommendation. This course further develops the operational skills and utilizes them in more advanced applications.

### **Pre Calculus**

2 semesters  
5 credits

Successful completion of Algebra I, II, and Geometry are pre-requisites for Pre Calculus. In this class topics that will be applied in calculus will be explored. 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.

### **Calculus**

2 semesters  
5 credits

Calculus is designed for those students preparing to attend college. The course content will include a study of the mathematics of change and motion, linear and quadratic functions, trigonometry, log functions, and determining derivatives and integrals.

### **HSPA - Mathematics**

2 semesters  
5 credits

This class is taken for elective credit. It does not count as one of the required math courses for graduation. This course is designed to prepare Juniors, who have not attained an appropriate score on the sophomore pre-test, for the HSPA. This course is also designed to prepare seniors who did not pass the HSPA in their junior year.

## **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

### Science Concepts I

2 semesters  
5 credits

This course is a non-laboratory oriented course integrating the concepts of chemistry, physics, earth and space science with principles of mathematics. Hands on activities and periodic projects will reinforce the basic concepts in science. Students will appreciate how much the study and advancement in the sciences have contributed to everyday life.

### Science Concepts II

2 semesters  
5 credits

This course is designed for tenth grade students who have already taken Science Concepts I. 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 Science Concepts I, IPS or equivalent.

### Science Concepts III

2 semesters  
5 credits

Science Concepts III is a course 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 Science Concepts II, CP Biology or equivalent.

### Introductory Physical Science

2 semesters  
5 credits

This course is designed for ninth grade students who are planning to major in the College Preparatory curriculum. It is a laboratory-oriented course leading toward future courses in biology, chemistry, and physics. Introductory Physical Science investigates the structure, composition and forces which control all forms of matter. Students are introduced to computer use in science in the following areas: research, guided student tutorial programs, computer simulated and computer aided laboratory experiments. The experiments deal with weight, volume, graphs, equations (chemical) and the atom. In the end, the student should become a critical reader, careful observer and a sharp thinker and carry these traits on into CP Biology, CP Chemistry and CP Physics.

### 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 long term projects.

Prerequisites: A "C" average in Science Concepts I or recommendation from IPS/Sci Con I teacher.

### **Environmental Science**

2 semesters  
6 credits

Environmental Science introduces students to relevant issues in today's and tomorrow's society. The role of humans and the impact on natural resources will be explored. An emphasis will be placed on conservation and sustainability regarding solutions to environmental problems for present and future generations of the world. Lab activities and field investigations will introduce students to methods used by scientists to investigate the health of ecosystems. Students will be required to research current environmental issues in New Jersey and around the world, expanding the idea of a global community.

Prerequisite: A "C" or higher in CP Biology.

### **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.

### **Chemistry in the Community**

2 semesters  
5 credits

This college prep course is designed to provide a solid introduction to the subject. The chemistry concepts are organized around and presented in the context of societal issues. Students learn content on a need-to-know basis, then evaluate data, and make decisions based on their knowledge and observations. Students learn more organic and biochemistry than in traditional first-year chemistry courses, as well as some environmental and industrial chemistry. The course is 50 percent laboratory-based, and features activities that give students practice applying their chemistry knowledge in decision-making situations. Topics include: solution chemistry, acids, bases, solubility, water treatment, material structure and uses, bonding, natural resources, organic chemistry, petroleum, atmospheric make-up, kinetic theory, and food and nutrition. Assessment will be based on homework, quizzes, tests, laboratory reports, scientific writing, and other long-term projects.

Prerequisite: "C" or higher in Algebra I.

### **College Preparatory Physics**

2 semesters  
6 credits

Physics is an examination of the laws that govern the universe. Electromagnetism, gravitation and nuclear forces and their effects on matter will be studied. Newtonian mechanics are examined in detail. The course will feature weekly lab activities and quarterly design projects. Students are also encouraged to compete at the state level in the JETS engineering, a math and science competition. A strong foundation in mathematics is essential for this course.

Prerequisites: A "B" or higher in Algebra II, Geometry, and/or Pre-calculus.

## PROGRAM OF STUDIES

### **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 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.

### **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.

Prerequisites: A grade of “A” in CP Biology and CP Chemistry (or an “A” in Chemistry in the Community), and approval from the AP Biology instructor and prerequisite teachers.

### **Advanced Placement Environmental Science**

2 semesters

6 credits

This course is designed to be the equivalent of an introductory college course in environmental science. It will provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world; identify and analyze environmental problems both natural and human-made; and evaluate the relative risks associated with these problems. It will examine alternative solutions for resolving and/or preventing these problems.

Experiments in the areas of habitat evaluation, biodiversity, Water quality (chemical and biological analyses), air pollution, toxicity, dose-response experiments, population and demography, energy use, and soils will be included. College Board guidelines are followed in shaping this course.

Prerequisites: A grade of “A” in Algebra, CP Biology and CP Chemistry or Chemistry in the Community, approval of AP instructor and prerequisite teachers.

## Social Studies

### 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.

### US History I

2 semesters  
5 credits

US History I is a requirement for graduation. A survey course, 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.

### 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.

### US History II

2 semesters  
5 credits

US History II is a survey course required for graduation. 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: US History I

## PROGRAM OF STUDIES

### **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 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 B 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 interconnectedness 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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