

RED BANK CATHOLIC HIGH SCHOOL

# Curriculum



# Guide

**2021/2022**

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## Red Bank Catholic Mission Statement

The mission of Red Bank Catholic High School is to fully engage the minds, hearts, and souls of students in our Roman Catholic community so that they can succeed in every aspect of their lives. Our programs pursue excellence in faith, academics, cultural awareness, athletics, and personal wellness. Red Bank Catholic fosters an environment of Catholic values based on the teachings of Jesus Christ, respecting all human life and the dignity of every individual, and pursuing the leadership that is at the core of our tradition.

### Belief Statements

#### We believe that:

1. A Catholic educational environment fosters the maturation of faith within the student. RBC students *Live In Faith Effectively*, following in the footsteps of Jesus Christ, by serving others and providing an example of moral leadership.
2. An integral component of Catholic education is the formation of men and women of integrity who possess a moral compass that respects diversity and the rights and opinions of others.
3. Every student has an innate ability to learn and to maximize his or her potential through multiple modes of learning and assessments that are employed to help each student achieve his/her potential.
4. Faculty, family, and community support each of our students in his or her quest for educational excellence.
5. A strong sense of self-esteem is critical to healthy adolescent growth and development. Supporting the physical, mental, and spiritual health of each RBC student is of the utmost importance.
6. Red Bank Catholic provides a forum wherein students can develop social skills, cooperative learning, and a sense of belonging.
7. A 21<sup>st</sup> century education includes opportunities within religious tradition, academics, community service, art, music, theatre, and athletics.
8. Educated men and women will be accountable and able to live out their ideas, follow their consciences, and assume leadership roles in the family, community, church, and world.

### Academic Integrity Statement

Red Bank Catholic High School takes seriously the academic integrity of its students. We encourage the use of all forms of research tools, and remind students that all written work handed in, whether as homework, lab reports, research papers, or translations must be the student's own work, and the student should develop and practice habits of academic integrity that involve acknowledging one's resources and assistance received.

The act of appropriating and giving out as one's own the literary or artistic work of another is plagiarism. It is a most serious offense. Students should never pass off as their own the words, works or ideas of others. Where such borrowing is appropriate, it is necessary to cite the reference properly. Students will have access to school purchased software (turnitin.com) to check their papers for proper documentation prior to turning in their work.

Students who are found to have cheated or plagiarized will receive a failing grade, usually a zero, for the particular assignment, test, quiz, or exam. In situations in which two or more students are found to be cheating together (i.e. one student supplies the other(s) with information, answers, or written work), all students involved will be held equally accountable and will receive the same failing grade. A report will be given by the teacher to the Dean of Students, who will record the incident. The teacher is also responsible for contacting the parents of the student(s) and the parents will receive a notification letter. **Repeat offenses will result in disciplinary as well as academic penalties including the loss of June exam exemption privileges and may result in suspension or expulsion.**

## ***INFORMATION***

Red Bank Catholic High School, within the scope of the curricular offerings, seeks to prepare its students for future success. Each student will, through guidance and advice, develop a program of studies based on the student's abilities and interest, past performance, goals and ambitions. We encourage every student to plan for post high school learning, according to individual circumstances, potential, and interest. We strive to provide all students with the education and skills required in today's society and needed for admission to vocational/technical schools, two-year colleges and four-year colleges.

### ***REQUIREMENTS FOR GRADUATION***

Graduation from Red Bank Catholic High School is dependent upon the successful completion of the following requirements:

1. Completion of four full years of the approved secondary school program.
2. In general, the credit structure assigns 5 credits to all full year courses, 2.5 credits to all one semester courses, 1.25 or 1 credit for specific quarter courses. Lab sciences earn 6 credits, and all other sciences earn 5 credits. Physical Education credit and Dance credit is assigned as follows:
  - Physical Education or Dance not connected with a lab science - 5 credits;
  - Physical Education or Dance connected with a lab science - 4 credits.

The course descriptions which follow will clearly identify any courses whose credit structure differs from the above explanation

3. 130 credits must be gained and must include the following:

- 4 years of Religion
- 4 years of English
- 3 years of Mathematics
- 3 years of History (2 years, US History; 1 year, World)
- 3 years of Science
- 2 years of the same World Language
- 1 year of Fine/Performing/Practical Arts
- 6 quarters of Physical Education (gym)
  - \*First Aid/CPR (part of the PE course in grade 11)
  - ¼ year of Leadership (freshman year)
  - ¼ year of Driver Education; (sophomore year)
  - ¼ year of Health (freshman year)

4. In order to advance to the next grade level, the student must accumulate:

- 30 credits for sophomore entry
- 65 credits for junior entry
- 100 credits for senior entry
- 130 credits for GRADUATION

5. **Students who receive an F in a course required for graduation will be *required* to make up the failed course(s) in a fully accredited summer school. Likewise, students whose total credit status is below the minimum required for admission to the next grade will be *required* to make up the failed courses in a fully accredited summer school.**

6. All students must carry a full schedule, to include seven courses; *their schedule must include lunch.*
7. Any senior who does not earn 130 credits by June of his/her graduation year or who receives a failure in a course required for graduation **will not be permitted to participate in the commencement exercises. It is the responsibility of each student to ascertain that he/she has sufficient credits for graduation, has taken all courses required, passed all required courses, and made up any failure necessary in summer school.**

### *Choice of Courses for Next Year*

With the help of their parents, guidance counselors, and teachers, students will choose the courses they desire to study next year. While the subject matter of several classes may be basically the same, the challenge and demands made in the various sections of the course will be adapted to the potential of the students in the group. *Students will be assigned to sections according to their past achievement, their TEST scores, recommendation of department chairpersons and their current teachers.*

The descriptions of many courses clearly indicate that they are more demanding or less demanding. All students will be *free to make their choices of such courses provided they meet the prerequisites. Having made the choice, they are not expected to discontinue the course or to request a change of schedule without a compelling reason. Registration for next year's courses is a serious matter, requiring study of the course descriptions, a realistic evaluation of self, consultation with parents, advice from the guidance department and from one's teachers.*

### *Course Changes after Rostering*

The school master schedule of all classes is built upon the course selections made by the students early in the second semester. Any changes in course selections after that time decrease the effectiveness of the master schedule and adversely affect the enrollment balance previously established in all classes. Therefore, **course changes must be handled prior to March 19, 2021.**

**\*\*\*No request for a change will be honored in the fall unless evidence is submitted that a serious error in placement was made.**

### *BOOK BILLS, COURSE and VHS LAB FEES*

**In most classes the student will be assigned a State Aid Text Book for temporary use.** The book is the students' responsibility and a fee will be assessed if lost or damaged. Courses requiring a workbook are purchased by the student through Follett.

Most **Arts Department** courses have special fees which are also paid through Follett Books when you place your orders in the summer. The fees are based on the cost of consumable materials purchased for the students for use in the course.

**All AP courses require a testing fee of \$100 payable in the Guidance Office by November 1, 2021.**

\*A few course textbook costs may exceed \$75. Some of these courses use college-level texts, which are substantially more expensive than high school texts. Others use multiple texts or paperbacks whose total costs can exceed \$75.

**Mathematics Department** – all students must purchase a **Graphing calculator TI-84** (all courses) approximate cost \$135

**VHS AP Sciences and Music have lab fees between \$150 and \$250**

***Members of the Graduating Class are assessed a graduation fee which should be paid with their summer book bill.***

### **\*\*\*Application Process VHS courses**

#### **Virtual High School Offerings**

Seniors and juniors may opt to take one full-year Virtual High School online course or semester courses. The students are provided a class period during the school day to work on their online projects and assignments.

Students interested in this option should consult the VHS course catalog available at [www.vhslearning.org/catalog](http://www.vhslearning.org/catalog) to view the course offerings. The online courses are designed for students with good time management skills. They participate in online group discussion, complete group projects, write papers, and communicate via the Internet with their teacher and peers around the globe.

Interested students must obtain from their guidance counselor an application/recommendation packet as part of the course selection process.

During scheduling, students will be enrolled in the VHS courses according to the following priority:

1. Students with irreconcilable course conflicts will have first priority in selecting a VHS course to resolve the schedule conflict.
2. Seniors without course conflicts will be scheduled into VHS courses next.
3. Juniors will be enrolled in any remaining course slots.
4. Appropriate fees (i.e. lab, etc....) may apply

#### ***RBC Dual Enrollment Option***

RBC has established a Dual Enrollment Program with Seton Hall University and Brookdale Community College. This program allows qualified sophomores, juniors and seniors to earn college level credit for certain courses taught by our faculty members who have been approved as adjunct professors.

***Seton Hall University partnership*** More than 200 colleges nationwide accept transfer credit from SHU. Sophomore, junior, and senior students enrolled in the program must earn a grade of “C” or better to receive college level credit. The cost of registration for the SHU course (3 or 4 credits) is approximately \$300/\$400.

***Brookdale Community College partnership*** Offers Dual Enrollment to eligible juniors and seniors in select Honors courses here at RBC. Students must earn a grade of “D” or better to receive credit from Brookdale. However, students are advised that most colleges do not accept a grade below a “C” for a transfer credit. Dual Enrollment with BCC requires students to take the Accuplacer Exam unless they have a minimum SAT score of 540 in Reading and 530 in Math. The cost of registration for the BCC course (3 credits) is approximately \$150.

## *Dual Enrollment Application*

Eligible students interested in the Dual Enrollment Program must complete the Dual Enrollment application after they have reviewed the handout explaining the procedures and responsibilities for the program. The application must be returned to the Guidance Office by ***Friday, February 5, 2021***.

### *RBC Courses Approved for Dual enrollment*

With SHU

AP Chemistry (3 credits)  
AP Psychology (3 credits)  
AP World History (6 credits)  
AP Government & Politics US ( 6 credits)  
AP Calculus AB (4 credits)  
AP Calculus BC (4 credits)  
AP English (English Literature & Composition) (6credits)  
Honors Economics (6 credits for Micro/Macro)  
(given for the RBC full year course)  
Economics  
World Religion ( 3 credits )  
Honors 20<sup>th</sup> Century  
Honors World Literature

with BCC

Writing Process (3 credits)  
The Short Story (3 credits)  
Introduction to Literature (3 credits)

*\*list is subject to change*

*Note for all academic department course descriptions which follow:*

*The abbreviation ACP designates an accelerated college prep level course.*

*CP designates a college prep level course.*

*Honors and Advanced Placement courses are designated as such in their course titles.*

## ***RELIGION***

### ***Grade 9***

Foundations of the Catholic Faith and Morality (ACP)

### ***Grade 10***

Scripture (ACP)

### ***Grade 11***

Catholic Social Teaching (ACP)

### ***Grade 12 (must select two of the courses listed)***

Christian Living: A Study of Vocation (ACP)

Philosophy(ACP)

\*\*\* World Religions (ACP)

Honors 21<sup>st</sup> Century Gospel Mission

Honors Globalization and Justice

**\*\*\*designated as dual enrollment**



## **RELIGION DEPARTMENT**

### ***FOUNDATIONS OF CATHOLIC FAITH AND MORALITY (ACP)***

***Grade 9***

Freshmen come to RBC from a wide variety of educational backgrounds and varying degrees of religious education. Foundations of the Catholic Faith and Morality provides all students with the vocabulary and basic knowledge they will need to succeed in their religious studies, but more importantly, to grow in their faith in Jesus Christ. Our second semester is dedicated to guiding our students to put into practice the morals they have learned from family and faith.

### ***SCRIPTURE (ACP)***

***Grade 10***

This course is designed to give students a general knowledge and appreciation of the Sacred Scripture. Students will be guided in the study of God's authorship through Divine Inspiration and Revelation. They will discover God's great desire for connection with humanity through covenantal relationships leading to the ultimate covenant in Jesus Christ, sealed with His Body and Blood. Our hope is that through this study, students will develop a greater understanding of and deepen their personal faith with Jesus and His Body, the Christ.

### ***CATHOLIC SOCIAL TEACHING (ACP)***

***Grade 11***

The purpose of this course is to introduce students to the Church's Social teaching, a central and essential element of our Catholic faith. In this course, students will learn how Christ's concern for others, especially the poor and vulnerable, is present today in the Church's social teaching and mission. These teachings invite one to live as a disciple of Jesus Christ in society.

***Two of the following one-semester courses fulfill the senior Religion requirement.***

### ***PHILOSOPHY (ACP)***

***Grade 12***

(semester course)

Philosophy is the love of wisdom. This course will be an overview of Philosophical thought examined thematically and historically. The course will address questions such as: What does it mean to have a valid argument? What can we know? What is real? Why do good deeds in life? This course will also include the connection between faith and reason and a synopsis of the views of significant philosophical positions throughout history.

### ***CHRISTIAN LIVING: A STUDY of VOCATION (ACP)***

***Grade 12***

(semester course )

Through an examination of the self, as well as a study of vocations to the single, married, religious life and priesthood, students will be introduced to the life choices of the adult Christians. The course content also emphasizes the study of the sacraments as it correlates to those choices.

### ***WORLD RELIGIONS (ACP) (dual enrollment course)***

***Grade 12***

(semester course)

This course offers a comparative study of world religions including Judaism, Islam, and other religions and philosophies practiced in Eastern cultures, as well as non-Catholic Christian traditions. It will examine their histories and theologies, by comparing and contrasting their differences and similarities with the Roman Catholic Faith.

Students have the option to take World Religions as a dual enrollment class with Seton Hall University.

***HONORS GOSPEL MISSION in the 21<sup>st</sup> CENTURY***

***Grade 12***

(semester course)

Prerequisite: “A-” average in junior year Religion; and  
“B-” average in Honors World History or “B” average in ACP World History

honors course explores Jesus’ charge to the Apostles and disciples to carry the Good News to all nations and his promise to be with them, and us, for all ages (Mt. 28: 18-20). Students will explore the implications of the Gospel for the Christian journey in the world of the 21st Century through a study of the Bible and current events.

***HONORS GLOBALIZATION and JUSTICE***

***Grade 12***

(semester course)

Prerequisites: “A-” average in junior year Religion; “B” average in junior year ACP World History course **or**  
“B-” average in Honors World History

This honors course aspires to equip our young Christian men and women to fully participate in the social structure of our modern world in a way that seeks to create justice for all. Karl Barth, one of the best theologians of the 20<sup>th</sup> century, said that Christians should approach the world with the Bible in one hand and the newspaper in the other. In addition to the textbook, students in this course will also use the Bible and the newspaper to deepen their understanding of the interconnectedness of globalization, poverty, health care, human rights, education and politics, viewed through the lens of Church teaching regarding these issues.

## ***PHYSICAL EDUCATION***

### ***Grade 9***

Health (quarter required course) (ACP)  
Physical Education (quarter required and one quarter available as an elective) (ACP)  
Dance Elective (1 semester)

### ***Grade 10***

Physical Education (two quarters required and one quarter available as an elective) (ACP)  
Driver Education (quarter required course) (ACP)  
Dance Elective ( 1 semester )

### ***Grade 11***

Physical Education (includes a unit on CPR/AED training) (ACP) CPR is a graduation requirement  
Dance: (see description in the Performing Arts section; fulfills grade 11 Physical Education graduation requirement) (ACP) ( CPR/AED required )  
Concepts of Athletic Training (semester elective course) (ACP)  
Physical Fitness and Wellness (ACP semester course )

### ***Grade 12***

Physical Education (ACP)  
Concepts of Athletic Training (semester elective course) (ACP)  
Physical Fitness and Wellness (semester elective course) (ACP)  
Honors Dance (see description in the performing Arts section)

## ***PHYSICAL EDUCATION DEPARTMENT***

### ***PHYSICAL EDUCATION (ACP)***

***Grade 9, 10, 11, 12***

Physical Education activities include a well-rounded program of team and individual sports, and fitness activities. Participation in Physical Education is designed to develop each student physically, mentally and socially, emphasizing the importance of safety, good sportsmanship, skills and interests. Physical Education in **grade 9** is a one-quarter required course. Freshmen may elect to take an additional quarter.

\*Juniors will take a unit of CPR/AED during their Physical Education class. This course is taught by American Red Cross instructors and is designed to help students recognize and respond to cardiac and breathing emergencies. Each student that passes the CPR unit will be given a card by the American Red Cross.

### ***HEALTH EDUCATION (ACP)***

***Grade 9***

(quarter course)

Health Education provides information on health-related problems facing today's society with emphasis on those areas of immediate importance to the student. Topics include mental health, nutrition, tobacco, alcohol, drugs, medicines, physical fitness and weight control. Students will learn to make healthy, informed decisions.

### ***DRIVER EDUCATION (ACP)***

***Grade 10***

(quarter course)

Driver Education is a one quarter theory course. This course will encourage students to develop knowledge, skills, and attitudes necessary to become safe, responsible drivers. The New Jersey state driver exam will be administered upon completion of course work to all eligible students.

### ***CONCEPTS OF ATHLETIC TRAINING (ACP)***

***Grade 11 & 12***

(semester course)

Concepts of Athletic Training is a semester course designed for students interested in fields such as athletic training, physical therapy, medicine, kinesiology, or other sports medicine related fields. This course includes class work and practical hands-on application in the following areas: anatomy and physiology, prevention and treatment of sports injuries, taping and wrapping of injuries, and sports medicine careers. This course is open to seniors only.

### ***PHYSICAL FITNESS and WELLNESS (ACP)***

***Grade 11 & 12***

(semester course)

This course is a combination of classroom, weight training, and physical fitness activities. Students take part in activities that enhance cardiovascular fitness, muscular strength and endurance, flexibility, and body composition. The primary objective of this course is to improve the health-related components of fitness and to introduce students to the concepts of fitness program design and application.

## ***MATHEMATICS and BUSINESS***

### ***Grade 9***

Algebra I (ACP and CP)  
Honors Algebra I  
Geometry (ACP)  
Honors Geometry  
Honors Algebra II and Trigonometry

Money Matters (quarter course)  
Intro to Fashion (quarter course)

### ***Grade 10***

Geometry (ACP and CP)  
Honors Geometry  
Algebra II (ACP and CP)  
Honors Algebra II and Trigonometry  
Pre-Calculus (ACP)  
Honors Pre-Calculus

Intro to Fashion (quarter course)

### ***Grade 11***

Algebra II (ACP and CP)  
Honors Algebra II and Trigonometry  
Pre-Calculus (ACP)  
Honors Pre-Calculus  
Honors Applied Calculus  
\*\*\*A.P. Calculus AB  
Concepts of Calculus  
A.P. Statistics

Introduction to Business (semester course) (ACP)  
International Business (semester course) (ACP)  
Accounting (ACP and \*Honors)  
\*\*\*Economics (ACP and Honors)  
\*Fashion Marketing (semester course) (ACP)  
\*Fashion Merchandising ((semester course) ACP)  
\*Sports, Entertainment, & Hospitality Marketing  
(semester course)

### ***Grade 12***

\*\*Financial Algebra ACP  
\*\*Honors Financial Algebra (semester course)  
Pre-Calculus (ACP)  
Introduction to Discrete Mathematics (CP)  
Concepts of Calculus (ACP)  
  
Honors Pre-Calculus  
Honors Applied Calculus  
\*\*\*A.P. Calculus AB  
\*\*\*A.P. Calculus BC  
A.P. Statistics

Accounting  
\*Honors Accounting  
\*\*\* Economics (ACP and Honors)  
\*\*\*A.P. Economics  
\*Sports, Entertainment, & Hospitality Marketing  
\*Fashion Merchandising (ACP)  
\*Fashion Marketing (semester course) (ACP)  
Introduction to Business (semester course) (ACP)  
International Business (semester course) (ACP)

**\*These courses may be applied to the one-year Fine, Practical, Performing Arts graduation requirement.**

**\*\*Taken as a second math course, these will fulfill all or part of the Fine, Practical and Performing Art graduation requirement.**

**\*\*\* Dual enrollment course**

**Summer courses available to fulfill pre-requisites: Honors Pre-Calculus**

## ***MATHEMATICS COURSES***

### ***ALGEBRA I (ACP and CP)***

***Grade 9***

Algebra I emphasizes problem solving skills and algebraic thinking. The course will cover (CP modified version) the Diocese of Trenton Algebra I program. Topics of study include real numbers, solving and using solutions of equations, ratio and proportion, percentages, inequalities, absolute value, functions and their graphs, graphs and analysis of linear functions, direct variation, systems of equations and inequalities, rules for exponents, polynomial operations and factoring. Additional topics include graphs and solutions of quadratic equations, radical expressions, Pythagorean Theorem, trigonometric ratios, and rational expressions.

### ***HONORS ALGEBRA I***

***Grade 9***

Prerequisite: "A" average in Pre-Algebra in grade 8; standardized testing should be at least the 90<sup>th</sup> percentile in math.

Honors Algebra I emphasizes problem solving skills, and algebraic thinking. The course will cover the Diocese of Trenton Algebra I program, as well as additional topics to prepare students for future studies. Topics of study include real numbers, solving and using solutions and systems of equations, ratio and proportion, percentages, inequalities, absolute value, functions and their graphs, graphs and analysis of linear functions, direct variation, rules for exponents, polynomial operations and factoring, graphs and solutions of quadratic equations, radical expressions, Pythagorean Theorem, trigonometric ratios, and rational expressions. Additional topics include absolute value functions, exponential functions, measures of central tendency, and probability.

### ***GEOMETRY (ACP)***

***Grade 9, 10***

Prerequisite: Grade 9: completion of a full-year of Algebra I course in grade school  
Grade 10: "C" average in ACP Algebra I

Accelerated College Prep Geometry emphasizes problem solving skills, elementary proof, and logical reasoning. Topics of study include basic geometric structures, structure of an axiomatic system, methods of proof, properties of angles and segments, properties of parallel lines, properties of congruent figures, special parts of triangles, properties of general polygons, properties of quadrilaterals, coordinate geometry, similar figures, Pythagorean Theorem, trigonometric ratios, the law of sines and law of cosines, elementary transformations, perimeter and area, surface area and volume, and properties of circles. Students will be programming the TI-84 calculator.

### ***HONORS GEOMETRY***

***Grades 9, 10***

Prerequisite: "B-" average or "C" with teacher recommendation in Honors Algebra I or "A" in ACP Algebra I and teacher recommendation.  
Incoming freshmen who have had a full year of Algebra I in grade school must have 90<sup>th</sup> percentile math standardized testing and complete a screening process to qualify for this course.

Honors Geometry emphasizes problem solving skills, elementary proof, and logical reasoning. Topics of study include basic geometric structures, structure of an axiomatic system, methods of proof, properties of angles and segments, properties of parallel lines, properties of congruent figures, special parts of triangles, properties of general polygons, properties of quadrilaterals, coordinate geometry, similar figures, Pythagorean Theorem, trigonometric ratios, the law of sines and law of cosines, elementary transformations, perimeter and area, surface area and volume, and properties of circles. Additional topics include vectors, advanced transformations, and the concept of locus.

## ***GEOMETRY (CP)***

***Grade 10***

College Pre Geometry emphasizes problem solving skills, elementary proofs, and logical reasoning, all while reinforcing basic mathematical and algebraic skills. Topics of study include basic geometric structures, structure of an axiomatic system, basic methods of proof, properties of angles and segments, properties of parallel lines, properties of congruent figures, special parts of triangles, properties of general polygons, properties of quadrilaterals, similar figures, Pythagorean Theorem, trigonometric ratios, elementary transformations, perimeter and area, surface area and volume, and properties of circles.

## ***HONORS ALGEBRA II and TRIGONOMETRY***

***Grades 9, 10, 11***

Prerequisite: Honors Algebra I; Honors Geometry, ("B- or C" with teacher recommendation)  
Standardized testing in the math/quantitative should be at or above the 90<sup>th</sup> percentile.  
**Teacher recommendation and an "A" in ACP Geometry and ACP Algebra I for students not previously in honors math classes**

Honors Algebra 2/Trigonometry emphasizes problem solving skills and advanced algebraic reasoning, as well as a firm foundation in trigonometry. Topics of study include slope and linear functions/inequalities, absolute value and piecewise functions, systems of linear equations/inequalities, linear programming, matrix algebra, quadratic functions, polynomials and their roots, radical expressions and equations, operations, compositions, and inverse of functions, exponential functions, logarithms, rational expressions and equations, conic sections, sequences and series, probability and statistics, and elementary trigonometry in the plane. Students in this course will also review the law of sines and law of cosines, graph trigonometric functions, and solve trigonometric equations.

## ***ALGEBRA II (ACP and CP)***

***Grades 10, 11***

Prerequisite: Geometry; (*Students whose averages in Algebra I were "C" or "D" should take a review course during the summer or be tutored by a certified mathematics teacher during the summer prior to studying Algebra II.*) *CP students with an "A" average in Algebra I and teacher recommendation may level up.*

CP: College Prep Algebra 2 emphasizes problem solving skills and advanced algebraic reasoning, while reinforcing basic algebraic skills. Topics of study include a review of basic algebra skills, slope and linear functions/inequalities, absolute value functions, systems of linear equations/inequalities, quadratic functions, polynomials and their roots, radical expressions and equations, operations, compositions, and inverse of functions, exponential functions, logarithms, rational expressions and equations, conic sections, sequences and series, and elementary trigonometry in the plane.

ACP: Accelerated College Prep Algebra 2 emphasizes problem solving skills and advanced algebraic reasoning. Topics of study include a review of basic algebra skills, slope and linear functions/inequalities, absolute value and piecewise functions, systems of linear equations/inequalities, quadratic functions, polynomials and their roots, radical expressions and equations, operations, compositions, and inverses of functions, logarithms, rational expressions and equations, conic sections, sequences and series, probability and statistics, and elementary trigonometry in the plane.

## ***FINANCIAL ALGEBRA (ACP)***

***Grade 12***

Prerequisites: **ACP:** "C" Average in Algebra II or Honors Algebra II

This algebra-based and technology-oriented course incorporates concepts from Algebra I, Geometry and Algebra II into "real-life" financial applications. It reviews and strengthens algebra and problem solving skills, while also introducing more advanced mathematics topics, such as piecewise functions, regression and limits as they relate to financial decision making. Topics include investing, banking, credit, income taxes, and insurance. This is an excellent course for students considering a major in finance, accounting or business, or for those interested in investing and financial management.

### ***HONORS FINANCIAL ALGEBRA***

***Grade 11, 12***

(semester course)

Prerequisite: "B" Average in Honors Algebra II or "A" Average in ACP Algebra II

This course will cover the topics from ACP Financial Algebra at an accelerated pace with increased emphasis on modeling, quantitative analysis, piecewise functions, regress and limits.

### ***INTRODUCTION TO DISCRETE MATHEMATICS (CP)***

***Grade 12***

Prerequisite: Completion of CP Algebra II or  
Completion of ACP Algebra II with grade of "C-"with teacher recommendation or "D"

This course will provide the student with background in several mathematical disciplines essential to functioning in the real world. Topics of study will include critical thinking, sets, basic logic, numeration in various cultures, number theory, concepts in algebra and geometry, metric system, probability and statistics, vertex-edge graphs, and the math of the election process.

### ***PRE-CALCULUS (ACP)***

***Grades 10, 11, 12***

Prerequisite: Completion of ACP Algebra II with a "C" average or better, C- or D with teacher recommendation

Accelerated College Prep Pre-Calculus emphasizes problem solving skills and advanced algebraic reasoning, all while integrating the major themes of the previous courses in preparations for calculus.

### ***CONCEPTS OF CALCULUS (ACP)***

***Grades 11, 12***

Prerequisite: Completion of Pre-Calculus (advanced college prep level) with a "C" average

This introductory Calculus course is designed for students interested in careers in business, the biological sciences, and the social sciences. The course will focus on elementary functions, limits, derivatives and integrals, all with attention to appropriate applications.

### ***HONORS PRE CALCULUS***

***Grades 11, 12***

Prerequisite: Honors Algebra II and Trigonometry ("***B or B- with teacher recommendation***") or ACP Algebra II ("***A***" average with teacher recommendation) Students must complete the Virtual Pre-Calculus bridge course and receive an 80 or better on a placement test given in June of the current school year.

Honors Pre-Calculus emphasizes problem solving skills and advanced algebraic reasoning, all while integrating the major themes of the previous courses in preparation for calculus. Students in this course will also cover the foundations of limits



and the derivative in preparation for calculus.

**Students who wish to take the summer Honors Pre-Calculus course in lieu of taking a full year of Honors Pre-Calculus must have a “B” average in Honors Algebra II/Trigonometry. An “A-” average in the summer course will be required for AP Calculus AB. Lower grades in the summer course will place the student in Honors Applied Calculus. This course is not available to ACP Algebra II students. If summer Honors Pre-Calculus is taken outside of RBC, whether at another school or online, students will be required to take the final exam given to our summer Honors Pre-Calculus students by the first week in August. Placement for the following year will be based on the results of the exam. \* RBC exam is mandatory if taken online. Students must achieve a Math SAT of 600 or better. Grade 10 students must have a comparable PSAT score.**

### ***HONORS APPLIED CALCULUS***

***Grades 11, 12***

Prerequisite: Completion of Honors Pre-Calculus with a “B” average or better **or** “B-” with teacher recommendation  
Completion of ACP Pre-Calculus with an “A” or “A-” with teacher recommendation

Honors Applied Calculus will provide the students with survey of the typical college calculus course. Topics of study include limits, differentiation, integration, the geometry of space, and partial differentiation. All aspects of this course provide appropriate applications to physics, geometry, graphing, business, and economics. Qualified students (“A-” average or better) who desire it may challenge the Advanced Placement Exam for Calculus AB in May.

***ADVANCED PLACEMENT MATHEMATICS (CALCULUS AB)*** (dual enrollment course) ***Grades 11, 12***

***ADVANCED PLACEMENT MATHEMATICS (CALCULUS BC)*** (dual enrollment course) ***Grade 12***

Prerequisite: **Students must achieve a Math SAT of 600 or better. Grade 10 students must have a comparable PSAT score.**  
Honors Pre-Calculus (“A-” average). AP Calculus AB with a “B” average needed for those selecting AP Calculus BC.  
Honors Applied Calculus students wishing to level-up to AP Calculus BC must have an “A” average and an AP Calculus AB test score of 3

Recommended Co-Requisite: Concurrent enrollment in a physics course (or previous study of physics)  
***\*AP College Board test and attendance requirements apply***

AB: Advanced Placement Calculus AB is the first part of a two-year, intensive study of calculus. Topics include limits, differentiation, integration, and separable differential equations. All aspects of this course provide appropriate applications to physics, geometry, and graphing.

BC: Advanced Placement Calculus BC is the second part of a two-year, intensive study of calculus. Topics include integration techniques, logistic differential equations, infinite series analysis, Taylor series, polar and parametric calculus, vectors in the plane, and vector-valued functions. The fundamental ideas from AP Calculus AB will continually be reinforced. All aspects of this course provide appropriate applications to physics, geometry, and graphing.

### ***ADVANCED PLACEMENT STATISTICS***

***Grades 11, 12***

Prerequisite: **Students must achieve a Math SAT of 600 or better. Grade 10 students must have a comparable PSAT score.**  
Completion of Honors Algebra II and Trigonometry with a “A-” average and teacher recommendation.

*AP College Board test is mandatory and attendance requirements apply*

This course is a rigorous, college-level study of the most widely used field within applied mathematics. Topics of study will include: data collection and representation; measures of central tendency and variability; probability; distributions, sampling; hypothesis testing with one and two samples, chi-square distributions, and analysis of bivariate data.

## ***BUSINESS COURSES***

### ***INTRO TO FASHION*** ***(quarter course)***

***Grade 9,10***

This course will provide students with an introduction to Fashion Marketing & Merchandising. Students will learn an overview of industry history, branding and the impact of social media platforms.

### ***MONEY MATTERS (ACP)*** ***(quarter course)***

***Grades 9***

This introductory course will enable students to understand commonplace functions of the world of business as routinely experienced in one's personal life, regardless of occupation. They will have a better understanding of American business and its place in our social and economic environment. Topics include banking, home buying and renting; interest rates; and job applications. The Stock Market Game is utilized to examine the process used in trading stocks

### ***ACCOUNTING (ACP)***

***Grades 11, 12***

Double entry accounting and the complete accounting cycle for both service and merchandising businesses are emphasized. Payroll journals and various accounting control systems are also taught. Automated accounting systems are examined and reinforced through computer-based projects. The students also receive instruction on completing personal 1040-EZ tax returns.

### ***HONORS ACCOUNTING***

***Grades 11, 12***

Prerequisite: B- or better in H AlgII/Trig or C with math teacher recommendation  
ACP Alg II A- or better or B with math teacher recommendation

This course is designed for seniors contemplating accounting or business administration as a college major. The accounting cycle, as well as support statements and forms relating to payroll, taxes, inventories, finance, and the state and federal government, is the focus of the course. Students experiment with automated accounting through the use of accounting software, and complete a computerized simulation of the "actual" cycle in action in the last quarter. Instruction in tax preparation is provided. Professional accountants present lessons on "real-life" applications

### ***ECONOMICS (dual enrollment course)***

***Grades 11, 12***

This course prepares students to think pragmatically about economic issues and imparts an understanding of certain

fundamental concepts of our economy. A thorough study of the stock market and its effect on the economy are an integral part of the course.

***HONORS ECONOMICS*** (dual enrollment course)

***Grades 11, 12***

Prerequisite: “A” average in previous ACP History courses or “B” average in Honors History courses.

This course is an introduction to microeconomics, which concerns the operation of markets in the allocation of our scarce resources. Students will examine the behavior of individual consumers and firms, and will develop a framework to determine the efficiency of various market outcomes. Topics include consumer theory, the behavior of firms in competition, monopoly, market equilibrium, and the role of government in the economy. The CLEP test is available to students who wish college credit.

***ADVANCED PLACEMENT ECONOMICS*** (dual enrollment course)

***Grade 12***

Prerequisite: “A” average in Honors World History  
“A” average in ACP Alg II, “B” average in H Alg II/Trig or “B” in H Pre-calc, “A” in ACP Pre-calc

***AP College Board test and attendance requirements apply***

This is an introductory course. Students study individual decision-makers in a market environment, hence the title Microeconomic Theory. The cornerstone of the course is the consumer behavior choice leading to the empirically testable demand curve. From this foundation, production and cost theory are developed from an economic perspective rather than an accounting perspective. The production and cost analysis is then combined with demand analysis to develop models of competitive market behavior, monopoly market behavior, oligopoly behavior and monopolistically competitive behavior. Supply/demand schedules and graphs are an integral part of this course. A strong background in math is essential.

***INTRODUCTION TO BUSINESS (ACP)***

***Grades 11, 12***

(semester course)

This is an introductory course in the foundations of business. Topics include marketing, financing, economics, accounting, finance, investment, and entrepreneurship.

***INTERNATIONAL BUSINESS (ACP)***

***Grades 11, 12***

(semester course)

Students will learn the foundations of business by examining how it has moved to a global economy. Students will learn pricing procedures, acceptable business practices, promotion, cultural influence, and government intervention. The course will also closely examine different responsibilities a corporation faces in various societies.

***FASHION MARKETING (ACP)***

***Grades 11, 12***

( semester course )

You are entering a world of beauty, style and promotion. Marketing is the tool that has allowed the United States' economy to be one of the most successful in the world. The fashion industry is an integral part of our modern economy

because consumers spend millions of dollars each year on clothing and related accessories. You will learn the basic functions of marketing and how these functions are applied to the fashion industry.

***FASHION MERCHANDISING (ACP)***

***Grades 11, 12***

(semester course )

Students will have an introduction to social media marketing and how social media has influenced fashion marketing. Students will learn the importance of branding and how companies differentiate themselves. Students will analyze how merchandising impacts brands.

***SPORTS, ENTERTAINMENT and HOSPITALITY MARKETING (ACP)***

***Grades 11, 12***

(semester course)

This course will cover the intriguing world of sports and entertainment from the perspective of marketing. Topics such as college and amateur sports, marketing, entertainment, and professional sports will be covered. Marketing in the hospitality industry will be covered in such topics as hotel image and location, use of technology, and marketing strategies for product and service planning.

## **WORLD LANGUAGES**

### **Grade 9**

French I and II (ACP)  
Spanish I (ACP and CP)  
Spanish II (ACP)  
Honors Spanish II  
Latin I and II (ACP)  
Spanish III (ACP)

### **Grade 10**

All of the courses open to grade 9 students are also open to grade 10 with the following additions:

Spanish II (ACP and CP)  
Honors French III  
Spanish III (ACP)  
Honors Spanish III  
Latin II  
Latin III/IV Honors Prose  
Spanish IV (ACP)

### **Grade 11**

All of the above courses are available to grade 11 students, with the following additions:

Honors French IV  
Spanish III (ACP and CP)  
Spanish IV (ACP)  
Honors Spanish III  
Latin III/IV Honors Prose  
A.P. French  
A.P. Spanish

### **Grade 12**

Seniors may select any of the above courses, except for level I of a language.

*World Language Level up requirements include but are not limited to: successful benchmark, midyear exam, teacher recommendation, strong listening, speaking, writing and participation skills, and completion of a summer packet.*

# **WORLD LANGUAGE DEPARTMENT**

## **FRENCH**

### **FRENCH I (ACP)**

**Grades 9**

French I is a full year course for 9<sup>th</sup> graders. In this course, students will begin to master the skills necessary to read, write, speak, and understand French. Students will achieve this goal through the use of audio and visual materials and skill-based computer software for vocabulary development and grammar application. Students will also study the cultures and traditions of francophone countries. A variety of teaching materials and approaches will be used in the classroom, including role-play, dialogue presentations, pair-share, etc. The course is conducted in French as much as possible, and students are expected to speak French in class to the best of their ability.

### **FRENCH II (ACP)**

**Grades 9, 10**

**Prerequisite:** -Required placement test for Incoming Freshmen and Transfer Students

-Satisfactory completion of French 1-All students must meet the department level up requirements.

**-All Students will complete a summer assignment to strengthen their skills.**

This course is designed to further develop students' reading, writing, listening and speaking skills, as well as their knowledge of francophone literature and cultures, through the use of audio COs, DVDs, grammar exercises, computer software programs and authentic reading material. Oral proficiency and precise use of grammatical structures are reinforced daily, and emphasis is placed on building vocabulary, including common idioms and phrases, at this level. The communicative, cooperative, and constructive learning techniques are used to master the language. The class is conducted primarily in French and students are expected to speak French in class to the best of their ability.

### **HONORS FRENCH III**

**Grades 10, 11, 12**

**Prerequisite:** - All students must meet the department level up requirements.

“B-” average in French II (ACP)

This course is designed to further develop students' reading, writing, listening and speaking skills through the use of audio CDs, DVDs, computer software, and authentic reading material. Oral proficiency and precise grammar are reinforced daily, and emphasis is placed on reading comprehension and writing skills. Communicative, cooperative and constructive learning techniques are used in the classroom to master the language. The class is conducted primarily in French, and students are expected to speak in French to the best of their ability.

### **HONORS FRENCH IV**

**Grades 11,12**

**Prerequisite:** - All students must meet the department level up requirements.

“B-” average in Honors French III

This course focuses on real communication, in meaningful context, that consolidates students' speaking, listening, reading, and writing skills, and further develops their cultural competency. The course provides a comprehensive grammar review, and offers works of poetry, prose, and video clips for examples of usage and structure. The class is conducted in French and it is anticipated that students will speak in French to the best of their ability.

## *Advanced Placement French Language and Culture*

*Grades 11, 12*

**Prerequisite:** -All students must meet the department level up requirements.

- “B” average in Honors French IV,
- “A” average in Honors French III

**AP College Board test and attendance requirements apply.**

AP French Language and Culture is a college level course designed to further develop students’ proficiency in reading, writing, listening and speaking French. The course provides an academically challenging environment in which students prepare to sit for the Advanced Placement French Language and Culture Exam in May, and which facilitates students’ transition from high school to college level academics. Course work develops precise use of vocabulary and syntax, as well as accurate oral and written analyses of articles, reports, podcasts, on-air interviews and panel discussions. The class is conducted in French, and students are expected to speak in French.

## *LATIN*

### *LATIN I (ACP)*

*Grades 9, 10, 11, 12*

The aim of the first year of Latin is to train the student to read, analyze and translate elementary Latin. Students will understand basic grammatical forms and develop a mastery of prescribed vocabulary. Derivation of words and short narratives from Roman history and literature prepare students for linguistic development and impart valuable insight into Roman language, life and, culture.

### *LATIN II*

*Grades 9, 10, 11, 12*

**Prerequisite: -Required placement test for Incoming Freshmen and Transfer Students**

-Satisfactory completion of Latin I

-All students must meet the department level up requirements.

**-All Students will complete a summer assignment to strengthen their skills.**

The Latin II course reviews the principles of Latin I and aims to further the student's ability to read, comprehend and translate Latin of increasing difficulty. The grammar component expands to include the essential elements of both English and Latin grammar forms. This course helps to expand the student's understanding and appreciation of Roman culture and customs. Unedited writings are introduced.

### *LATIN III/IV Honors Prose*

*Grades 10, 11,12*

**Prerequisite** -All students must meet the department level up requirements.

“B” average in Latin II or Latin III

Latin III/IV Honors Poetry continues to focus on the acquisition of skills for reading and analyzing original Latin poetry, mostly from writers of the Golden Age of Classical Latin literature. A thorough review of basic grammar and vocabulary will continue, followed by new syntax and an emphasis on reading Latin.

## ***SPANISH***

### ***SPANISH I (ACP and CP)***

***Grades 9, 10, 11***

This course focuses on introducing the language with an emphasis on developing speaking, listening, reading and writing skills. Students will learn basic vocabulary and grammatical structures. Vocabulary topics include: basic conversation, descriptive adjectives, school, emotions, food, family, clothing, restaurant, house and household chores, and sports. Grammar topics include subject pronouns, conjugating regular and irregular present tense verbs, and expressing likes and dislikes. Students will learn about the customs and traditions of Spanish-speaking people throughout the world.

### ***SPANISH II (CP)***

***Grades 10, 11, 12***

Prerequisite: -Satisfactory completion of Spanish 1 (CP)

-All students must meet the department level up requirements.

**-All Students will complete a summer assignment to strengthen their skills.**

Students will learn additional vocabulary and grammar necessary to communicate in the target language. Vocabulary topics will include food, the human body, health, clothing, colors, shopping, holidays and celebrations. Grammar topics will focus on the use of ser and estar, stem-changing verbs, direct object pronouns, reflexive verbs, informal commands, and the preterite tense. Students will explore the customs of various Spanish-speaking countries.

### ***SPANISH II (ACP)***

***Grades 10, 11, 12***

Prerequisite: **-Required placement test for Incoming Freshmen and Transfer Students**

-Satisfactory completion of Spanish 1 (ACP)

-All students must meet the department level up requirements.

**-All Students will complete a summer assignment to strengthen their skills.**

Students will continue to improve their communication skills in the target language. Vocabulary study will be more extensive, as well as the grammar component of their course work. Topics will include travel, vacations, sports, health, shopping, legends and stories, and food. Students will also study Hispanic cultures and traditions.

### ***HONORS SPANISH II***

***Grades 9, 10, 11, 12***

Prerequisite: **-Required placement test for Incoming Freshmen and Transfer Students**

-All students must meet the department level up requirements.

- "A" average in ACP Spanish I and teacher recommendation

**-All Students will complete a summer assignment to strengthen their skills.**

This course is designed to further one's proficiency at the advanced level. Emphasis is on developing one's interpersonal, interpretive and presentational skills. Students will be expected to communicate daily in the target language. Vocabulary will focus on travel, sports and health, daily routines, clothing and shopping, legends, food preparation and in the restaurant. Grammatical concepts will emphasize the more advanced and complex structures of the past tense. Students will narrate past stories using the preterite and imperfect tenses. In addition, the students will compare and contrast various Hispanic cultures and traditions.



### ***SPANISH III (CP)***

***Grades 11, 12***

Prerequisite: -Satisfactory completion of Spanish 2 (CP) and teacher recommendation

-All students must meet the department continuation requirements.

**-Students with a “B-” average or lower in Spanish 2 CP will complete a summer assignment to strengthen their skills.**

This course will further develop students' communicative proficiency in listening, speaking, reading, and writing. Students must have a thorough working knowledge of Spanish vocabulary and grammar and will be expected to communicate in the target language. They will utilize a more extensive vocabulary as well as more complex grammatical structures. Topics will include travel, vacations, sports, health, shopping, and ancient and modern Mexico. A focus on Hispanic culture and civilization accompanies the course.

### ***SPANISH III (ACP)***

***Grades 10, 11,12***

-Prerequisite: **-Required placement test for Incoming Freshmen and Transfer Students**

-Satisfactory completion of Spanish 2 (ACP or Honors) and teacher recommendation

-All students must meet the department level up requirements.

**-Students with a “B-” average or lower in Spanish 2 ACP will complete a summer assignment to strengthen their skills.**

This course will further develop students' communicative proficiency in listening, speaking, reading and writing. Students must have a thorough working knowledge of Spanish vocabulary and grammar and will be expected to communicate in the target language. They will use more extensive vocabulary as well as more complex grammatical structures to communicate. Topics will include family, vacations, volunteerism, requests and recommendations, the media, the environment, social awareness, and presenting and supporting opinions. They will further explore Hispanic cultures and traditions.

### ***HONORS SPANISH III***

***Grades 10, 11,12***

Prerequisite: **-Required placement test for Incoming Freshmen and Transfer Students**

-All students must meet the department level up requirements.

**-A “B-” average in Honors Spanish II or “A” average in ACP Spanish II and teacher recommendation**

This course is designed to further one's proficiency at an advanced level. Emphasis is on developing one's interpersonal, interpretive and presentational skills. Vocabulary will focus on environmental concerns, social awareness, professions/careers, travel, technology, suburban and urban life, and literature. Grammatical concepts will emphasize the more advanced structures. In addition, the students will compare and contrast various Hispanic cultures and traditions.

### ***SPANISH IV (ACP)***

***Grades 11, 12***

Prerequisite: “C” average in Spanish III and teacher recommendation

This course will develop and refine students' communicative proficiency at the advanced level through more in-depth activities and projects. Students must demonstrate strong speaking, listening, reading, and writing skills and will be expected to communicate in the target language. Students will communicate about topics or situations they are likely to encounter using more advanced vocabulary and grammatical structures, focusing on the subjunctive and present perfect subjunctive. Topics include professions, heroes, technology, communications, life in the city, and planning for the future and careers. Students will expand their knowledge of Hispanic culture.

***Honors SPANISH Language and Literature***  
***11, 12***

***Grades***

Prerequisite: -All students must meet the department level up requirements.

-An “B-” average in Honors Spanish III or “A” average in ACP Spanish III or an “A” average in ACP Spanish IV and teacher recommendation

This course is designed to further one's communicative proficiency at the advanced level. Emphasis is on developing one's interpersonal, interpretive and presentational skills. Vocabulary will focus on societal issues, economics, higher education, finance, the arts and the workforce. Grammatical concepts will emphasize the more advanced and complex verb structures. Students will also further develop their critical reading and interpretation skills through various authentic short stories, narratives, poems and the comparing and contrasting of the Hispanic culture.

***Advanced Placement Spanish Language and Culture***

***Grades 11, 12***

Prerequisite: -All students must meet the department level up requirements and have teacher recommendation

- “B” average in Honors Spanish Language and Literature,

- “A” average in ACP Spanish IV

- “A” average in Honors Spanish III

The AP course is intended to develop proficiency in the Spanish Language integrating the four core skills (listening, speaking, reading and writing) throughout the course. In order to accomplish its task the class has been designed to present a variety of activities and practices with the study of each unit. This allows the students to express, inquire, and use different strategies in a variety of cultural contexts. This process hones student's ability to listen, speak, and use various resources that they may apply their skills. The objective of student abilities include: spoken/written interpersonal communication, audio/visual interpretive communication, written/print interpretive communication and spoken/written presentational communication. The course themes students will encounter will include: beauty and aesthetics, global challenges, science and technology, contemporary life, personal and public identities and families and communities. The class is taught entirely in Spanish in order to motivate the students to use their Spanish language skills throughout the year and refrain from falling back into their native tongue.

**AP College Board test and attendance requirements apply.**

# ***SCIENCE, TECHNOLOGY & ENGINEERING***

## ***Grade 9***

Biology (ACP and CP)  
Honors Biology  
STEM I-Robotics/Arduino(quarter course) (ACP)

## ***Grade 10***

Chemistry (ACP)  
Honors Chemistry  
Physics (ACP) & (CP)  
STEM I – Robotics (quarter course) (ACP)  
STEM II – Intro to Electronics and Coding (quarter course, ACP)

## ***Grade 11***

Chemistry (ACP and CP)  
A.P. Biology (Virtual)  
Honors Chemistry  
\*\*\* A.P. Chemistry  
Human Physiology (ACP)  
Environmental Studies (ACP)  
Honors and A.P. Environmental Science  
Marine Science (ACP)  
Physics (ACP)  
Honors Physics  
Introduction to Engineering (ACP and Honors)  
Programming & Electronics (semester)  
\*CADD I: 3D Design and Engineering  
\*CADD II

## ***Grade 12***

All courses are open to grade 11 students are also open to grade 12 with the following additions:

Forensic Science (ACP)  
A. P. Physics

\*\*\*dual enrollment course

\* This course may be applied towards the one year Fine, Practical, Performing Arts graduation requirement.  
**One semester only**, Advanced Programming & Electronics, CADD I or CADD II

## ***SCIENCE DEPARTMENT***

### ***BIOLOGY (ACP and CP)***

***Grade 9***

This course introduces the fundamental concepts and principles governing living things. Topics covered in the course follow a logical and sequential pattern beginning with the chemical and physical basis of life, through a step-by-step analysis of cell structure, metabolism, heredity, and other life processes. The important concepts of unity, balance, and variation are integrated throughout the basic topics.

### ***HONORS BIOLOGY***

***Grade 9***

Honors Biology is designed for the highly motivated student with a strong interest in the field of science. The course focuses on: correlation between structure and function starting at molecular level and up to the level of organisms. This course emphasizes higher order thinking skills using laboratory investigations, independent thinking and analysis, collaborative learning projects, and problem solving activities. In comparison to the A. C. P. student, the Honors Biology student is expected to demonstrate his or her learning through the synthesis, application, and evaluation of the fundamental principles of biology. The Honors Biology course is supplemented with the required laboratory component corresponding to the material studied in the classroom.

### ***ENVIRONMENTAL STUDIES (ACP)***

***Grades 11, 12***

Prerequisite: Minimum of a “C” average in previous science and math classes or B average in previous CP science courses.

The goal of this course is to provide students with the information they need to analyze environmental concerns that will affect their lives. Students will learn about the basic structures of our planet and the important functions that they serve in protecting and supporting living organisms within our biosphere. They will learn about the effects of human activities on ecosystems. They will discuss political, economic, cultural, and scientific processes that may provide solutions to environmental problems.

### ***HONORS ENVIRONMENTAL SCIENCE***

***Grades 11, 12***

Prerequisite: Minimum “B” average in both Biology and Chemistry, (honors or accelerated college prep) and current math course.

The goal of this course is to provide students with the scientific principles, concepts and methodologies required to understand the interrelationships and interdependence of the natural world; to identify and analyze environmental problems both natural and man-made; to evaluate the relative risks associated with these problems; and to evaluate alternative solutions for resolving and/or preventing them. Laboratory and field study are important elements of the course and will cover diverse topics. Students will acquire skills and knowledge that will enable them to better understand the complexity of environmental problems. Students have the option of challenging the AP exam in May with teacher approval.

## ***ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE***

***Grades 11, 12***

Prerequisite: “A” average in both Biology and Chemistry (accelerated college prep level); “B” average in Honors level Biology and Chemistry and previous math classes.

***AP College Board test and attendance requirements apply.***

The goal of this course is to provide the students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and manmade, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Laboratory and field study are important elements of the course and will cover diverse topics. Students will acquire skills in the specific techniques and procedures now used by environmental engineers and other scientists. Students are expected to stay current with this dynamic science by reading the latest scientific journals.

## ***HUMAN PHYSIOLOGY (ACP)***

***Grades 11, 12***

Prerequisite: for ACP level - Previous ACP biology and physics course with a minimum "B-" average.

Co-requisite: Previous or concurrent chemistry course

Prerequisite: for honors level - “B-“average in Honors Biology or Honors Chemistry

Human Physiology is **designed for highly motivated students** who wish to expand their knowledge of the structure and function of the human body. The course stresses a detailed analysis of organ systems and their relation to each other. Students must acquire a working knowledge of detailed terminology. An emphasis on career awareness, primarily in the medical and paramedical areas, underlies this course.

## ***CHEMISTRY (CP)***

***Grades 11***

Prerequisite: completion of CP level biology or physics

This course is designed to interest the non-science-oriented student. Basic math skills will be utilized regularly in the course so that students may better understand the formal concepts of chemistry. Students are expected to learn chemical theory as it applies to our world. Topics include household products, food, and health care. Students will participate in appropriate laboratory activities. This course is intended to guide students toward developing the skills of investigation inquiry.

## ***CHEMISTRY (ACP)***

***Grades, 10, 11, 12***

Prerequisite (Grade 10): “C” average in accelerated College Prep Mathematics. “C” in previous Accelerated College Prep Biology and teacher recommendation

Prerequisite (Grade 11, 12): Minimum "C" average in both previous accelerated college prep science course and in ACP math

Chemistry employs the mole and energy approach to help the student become aware of our chemical environment. The course emphasizes the structure of matter with a focus on atomic and subatomic levels. The course then develops the student's understanding of bonding concepts in the formation of complex compounds. The students learn use of the mole, stoichiometry, and energy interchanges for compound formation and decomposition.

## ***HONORS CHEMISTRY***

***Grades 10, 11, 12***

Prerequisite: "C" average in previous honors science and honors math courses. Students desiring to level up from ACP biology or physics must have an "A" average in that course and enroll in honors math concurrently and pass a level up exam. Students must have a recommendation from their current Science teacher.

This course provides an understanding of the principles of chemistry for the serious science student. Topics include atomic structure, bonding, stoichiometry, kinetics and equilibrium, acids and bases, electrochemistry, and thermochemistry. Students will focus on applying problem-solving skills and proper laboratory technique.

## ***ADVANCED PLACEMENT CHEMISTRY (Dual Enrollment course)***

***Grades 11, 12***

Prerequisite: Minimum "A-" average in Honors Chemistry and Honors Algebra II; previous or concurrent study of Honors Pre-Calculus. Students must pass the level up test.

***AP College Board test and attendance requirements apply.***

This course is designed to be the equivalent of a college general chemistry course taken in college. Students will attain a depth of understanding of fundamentals and competence in dealing with chemical problems. Topics include structure of matter, state of matter, chemical reactions and descriptive chemistry. Students will use more advanced laboratory skills in making observations, recording data, calculating and interpreting results and communicating effectively the results of experimental work. Students must obtain the required summer reading assignment in June.

## ***MARINE SCIENCE (ACP)***

***Grades 11, 12***

Prerequisite: Biology

This course will introduce the students to a brief history of the evolution of Marine Biology. They will become aware of the physical and chemical components of the marine environment in addition to issues concerning the human impact on the fragile ecosystem. The course will emphasize the diversity of marine organisms, both plant and animal. Students will develop an appreciation of the "World Ocean" and strategies to preserve and protect marine resources.

## ***PHYSICS (CP)***

***Grade 10***

Prerequisite: completion of CP Biology

This course offers students a conceptual understanding of the principles of the science of physics. It emphasizes examples from the students' personal experience and utilizes common language rather than the language of mathematics. The student will be expected, however, to perform and understand some mathematical computations involving algebra. Topics include mechanics; sound; light, electricity and magnetism. This course will have a single lab period.

## ***PHYSICS (ACP)***

***Grades 10, 11, 12***

Prerequisite: "C" average in Accelerated College Prep Mathematics;  
"A" in CP Biology with teacher recommendation and concurrent ACP math placement

This course offers students a conceptual understanding of the physical universe that surrounds them. Topics include mechanics, heat, light, sound, electricity, magnetism and atomic physics. Instruction will be in the form of lectures, lab

work, and demonstrations. This course is intended for the serious-minded science student who wants an understanding of physics but without the more rigorous mathematical approach of an honors program. The students will be expected to perform and understand some mathematical computations involving simple algebra.

### ***HONORS PHYSICS***

***Grades 11, 12***

Prerequisite: "C" average in Honors Chemistry, "C" average in honors math. Students who wish to level up must meet the honors math requirement and pass the level up exam. Students who wish to level up must have an "A" in ACP Chemistry and math..

This course will help students acquire an understanding of the concepts of matter and energy. Topics include mechanics, heat, light, sound, electricity, magnetism and atomic physics. The course emphasizes the mastering of quantitative relationships that express these concepts.

### ***ADVANCED PLACEMENT PHYSICS***

***Grade 12***

Prerequisite: "A-" average in Honors Physics or Honors Chemistry; previous or concurrent study of AP Calculus AB; Or a Score of 3 or better on AP Chemistry exam  
SAT Math score of 600 or better

***AP College Board test and attendance requirements apply***

The course is designed to be the equivalent of a first-year college physics course for students majoring in either engineering or a science discipline. Student will attain a depth of understanding and competence in solving increasingly complex Newtonian mechanic problems.

Topics will include: kinematics; laws of motion both linearly and rotationally; motion and energy conservation; power; gravity; harmonic motion; and oscillation in planer fields. Student will use more sophisticated laboratory skills in making observations, recording data, calculating and interpreting results and effectively communicating the results of the experiments. Students must obtain summer reading assignment as well as a summer math review assignment packet in June.

### ***FORENSIC SCIENCE (ACP)***

***Grade 12***

Prerequisite: Minimum of "C" average in Biology, Chemistry and Physics. (Physics may be taken concurrently.) An A average in CP Bio and successful completion of ACP Physics and Chemistry.

This course introduces the science of forensics. It allows students to experience the application of science in a real world setting. They will have the opportunity to apply scientific inquiry and draw conclusions based on the analysis of facts. This course is open to seniors who have completed three years of accelerated college prep science course.

### ***ADVANCED PLACEMENT BIOLOGY***

***Grade 11, 12***

Prerequisite: "B" average in both Honors Biology and Honors Chemistry; level-up test. Honors Chemistry  
Students who did not take Honors Biology may enroll only if they complete a summer assignment.

***AP College Board test and attendance requirements apply***

This is a class combined with Honors Advanced Biology. The course focuses on all the topics of the Advanced Placement syllabus, with in-depth research and scientific readings completed as independent study.

***STEM I: Robotics  
(Quarter)***

***Grade 9, 10***

This course will teach you the general process for building a robot starting from an idea to having the robot working and functional. Using the popular Arduino platform, you will be guided step by step to learn the basics of programming the Arduino and using it to control your robot.

***STEM II: Intro to Engineering, Electronics and Coding (ACP)  
(Quarter course)***

***Grade 10***

Prerequisite: “C: average in Introduction to STEM (ACP)

The students will explore the use of test instruments to verify and analyze electronic circuits. Students will learn how to code and how electronic circuits are designed and used in home, work, and leisure activities. Students will apply concepts through projects and activities in which the students will design, code, and test their projects.

***ELECTRONICS & CODING  
(Semester course)***

***Grade 11, 12***

The advanced engineering electronics and coding course is designed to further develop background career related skills in electricity, electronics, and coding. The students will explore and analyze complex electronic circuits and learn to program using JAVA. Students will also explore how Wi-Fi enabled electronics operate in the home and work. Students will apply concepts through projects and activities in which the students will design, coding, and test their own Wi-Fi enabled devices.

***CADD I: 3D DESIGN AND ENGINEERING  
(Semester course)***

***Grades 11, 12***

This course provides students with a broad introduction into 2-dimensional and 3-dimensional Computer-Aided Design (CAD) and modeling. Students will be introduced to engineering, learning the basics of CAD software: creating points, lines, other geometric forms, isometric drawings, and 3D models. They learn how to translate initial concepts into functional designs and 3D walkthroughs while exploring career options in this hands-on introductory-level course with a focus on applications.

***CADD II  
(Semester course)***

***Grade 11, 12***

Prerequisite: Completion with at least a “B” in CADD I

This course will be a further utilization of Solidworks. We will be teaching the students more utilities outside of just drawing, but animating, visualizing stress points, complex part interaction. CADD II will satisfy the ELA standards as well as science common core standards. The Communication, writing, of drafting will be apparent every class. Measuring and dimensional analysis will be completed on each part of the nearest millimeter.

***INTRODUCTION to ENGINEERING (ACP)***

***Grades 11, 12***

Prerequisites: “B” average in ACP Physics, “B” average in ACP Algebra II or a “C” in Honors Physics, “C” in Honors Algebra II

The Engineering course has been designed to develop students’ critical thinking and creativity by emphasizing real world problem solving. Introduction to the role of engineers in the acquisition and development of engineering knowledge, the



differences and similarities among engineering fields, and the work ethic and skills required for engineering. Students will be working in teams to design, build and test solutions to various engineering challenges. Power tools will be used. Topics include mechanisms, energy, statics, materials, electronics and kinematics.

***INTRODUCTION TO ENGINEERING (HONORS)***

***Grades 11, 12***

Prerequisites: “B” average in Honors Physics, “A-“average in Pre-Calculus, or “B” average in prior Calculus based course or concurrent enrollment in a Calculus based course.

This Engineering course provides an introduction to the concepts of modern engineering including modeling, analysis, synthesis and design. Concentration will be on the methodology for solving engineering problems using mathematics, science and technology. Students will be working in teams to design, build and test solutions to various engineering challenges. Power tools will be used. Topics include statics, mechanics, hydraulics, and electronics.

## ***FINE AND PERFORMING ARTS***

All courses listed below may be applied to the one-year  
fine, practical, performing arts graduation requirement.

Dance I may meet the FPPA if not being used for the Physical Education requirement.

Intro to Photoshop  
Advanced Photoshop  
Media Production I

### ***Fine Arts***

#### ***Grade 9***

Topics in Art (quarter course) (ACP)  
PE Dance elective (semester) (ACP)

#### ***Grade 10***

Fundamentals in Art (quarter course) (ACP)  
PE Dance elective (semester) (ACP)

#### ***Grade 11***

Design (semester course) (ACP)  
Drawing (semester course) (ACP)  
Ceramics (semester course) (ACP)  
Crafts (semester course) (ACP)  
Digital Photography (semester course) (ACP)  
Advanced Drawing (semester course) (ACP)  
Painting (semester course) (ACP)  
Advanced Painting (ACP)  
Independent Adv. Studio Art (semester) (ACP)  
Yearbook Design & Publishing (year) (ACP)  
Yearbook Editor Staff

#### ***Grade 12***

All courses available to grade 11 are open to seniors.

### ***Performing Arts***

#### ***Grades 9, 10***

Introduction to Theatre (quarter course)

#### ***Grade 11***

Music Appreciation I (semester)  
Music Appreciation II (semester)  
Theatre Arts (semester)  
Dance I (ACP)  
Advanced Ceramics (semester course)

#### ***Grade 12***

Honors Dance II

## ***FINE and PERFORMING ARTS DEPARTMENTS***

### ***TOPICS IN ART*** (one quarter course)

***Grades 9***

This introductory course is open to all students regardless of previous formal art experience. The students will study the basic elements and principles of design.

### ***FUNDAMENTALS IN ART*** (one quarter course)

***Grade 10***

This course is designed for those students who wish to expand their knowledge of the visual arts and continue to develop their artistic skills. The class will build upon the concepts and techniques mastered in Topics in Art and will employ various art media.

### ***CERAMICS (ACP)*** (semester course)

***Grades 11, 12***

Students will learn basic skills and technical knowledge of traditional hand building methods: pinched coil and slab construction and will use a range of surface decorations and firing techniques.

### ***ADVANCED CERAMICS*** (semester course)

***Grades 11, 12***

Prerequisite: Ceramics

Advanced Ceramics will further develop your hand building skills. This is a hands-on class with both teacher-led instruction and independent studio time. You will explore the vast topic of ceramics through different techniques, materials, glazes, and decorative methods. An emphasis will be placed on functional and decorative pieces that you make unique with personal touches and creative alterations, as well as on the individual progress that you are expected to make during the semester.

### ***CRAFTS (ACP)*** (semester course)

***Grades 11, 12***

Students will explore the basics of composition and quality craftsmanship from many diverse cultures and time periods. Some projects will include stenciling, sculpture, tole painting, and basketry. They will study the work of both master and folk artists from around the world to increase their cultural understanding and inspiration. This course blends academic and technical understanding with creative development and problem solving to foster respect for and appreciation of the arts.

### ***DESIGN (ACP)*** (semester course)

***Grades 11, 12***

This course will explore pictorial composition in two-dimensional representation with emphasis on the basic elements and principles of design, the structure of all art.

***DRAWING (ACP)***  
(semester course)

***Grades 11, 12***

Students will expand their knowledge of art fundamentals and develop technical skills in drawing. They will draw from direct observation of the figure, still life, landscape, and architecture. The course content will emphasize design principles, color theory, critical thinking, and problem solving. Media will include pencil, ink, charcoal, and mixed media.

***PAINTING (ACP)***  
(semester course)

***Grades 11, 12***

The course will concentrate on several paint media and techniques. Students will work from a variety of subjects including figures, landscape, and still life as well as invented forms. They will be encouraged to experiment and develop their personal artistic style. They will also study the history of painting

***ADVANCED PAINTING (ACP)***  
(semester course)

***Grades 12***

Prerequisite: One semester of Painting

Advanced Painting builds on the skills acquired previously in Painting. New techniques will be presented along with increased expression and style development.

***DIGITAL PHOTOGRAPHY (ACP)***  
(semester course)

***Grades 11, 12***

This course will teach students the fundamentals of digital photography. Students will learn about composition, lighting, mood, and editing. Students will use digital cameras and mobile devices to create, edit, post and share images electronically. This is a hands-on course that requires students to take photographs in their own time throughout the semester.

***ADVANCED DRAWING (ACP)***  
(semester course)

***Grades 11, 12***

Prerequisite: Drawing or Art Department assessment

This fast-paced course is designed for the serious art student who seeks to improve technical skills and technique. The course will emphasize observational, life, and technical drawing and further expands students' perceptive abilities. Advanced techniques in pencil, ink, and charcoal will be used as well as pastel and colored pencil and mixed media. The students will begin to assemble a portfolio.

***INTRODUCTION TO PHOTOSHOP***  
(semester course)

***Grades 11, 12***

This course teaches students the basic tools, interface, features, and shortcuts for using Adobe Photoshop. Students will learn about image manipulation, photo retouching and repairing, typography, and design process. In this introductory course, students will obtain general knowledge that will be beneficial in today's technology driven world.

## ***HONORS ADVANCED PHOTOSHOP***

***Grades 11, 12***

(semester course)

Prerequisite: Introduction to Photoshop

In this honors course, students will continue to expand their knowledge of Adobe Photoshop. Students will be responsible for creating projects from both in class instruction as well as instructional videos online. This is a project based course and students will finish with a portfolio that they can use for college applications.

## ***YEARBOOK DESIGN AND PUBLISHING (ACP)***

***Grades 11, 12***

(full year course)

This course will focus on the planning, creation, selling, financing, and distribution of the yearbook, *The Emerald*. The fundamentals of yearbook journalism include coverage of the year's events, ethics, writing copy and captions, creating sidebars, and photojournalism. Students will learn to design aesthetically pleasing layouts, using enhanced graphics, and to use color effectively. Work outside of normal classroom meeting hours will be necessary to complete the tasks involved in yearbook development and production.

## ***YEARBOOK EDITOR STAFF***

***Grade 11***

(full year course)

Prerequisite: Yearbook Design: Layout & Publishing

This Students Editor (s) in Chief is the leaders and decision-makers for the yearbook staff of Red Bank Catholic High School. An Editor (s) in Chief will complete the myriad of tasks to create a quality yearbook that reflects the pictorial history of the activities for the present school year.

## ***MEDIA PRODUCTION I***

***Grades 11, 12***

**Students will be required to bring in an approved electronic device with VIDEO capability ( such as a tablet, laptop or Chromebook) and register it through RBC's BYOD program to be used daily.**

This introductory course will give students a thorough grounding in the basic techniques of video storytelling. Students will learn basic video production, visual composition, field camera practice, lighting fundamentals and digital video editing. This is a hands-on course that requires students to produce group and individual projects throughout the semester.

## ***MUSIC COURSES***

***MUSIC Appreciation I*** - Classical (instrumental) & Rock/pop

***Grade 11, 12***

(semester course)

This course's curriculum centers around a field trip to a concert (in person or virtual as health guidelines permit) each marking period. Students will gain a deeper understanding of musical elements (melody, harmony, rhythm, tone colors and more) in a particular style, based on the type of concert we will be attending. Music theory, music history and ear training will be covered and used to make the music come alive!

***MUSIC Appreciation II - Classical (vocal) & Jazz***  
(semester course)

***Grade 11, 12***

This course's curriculum centers around a field trip to a concert (in person or virtual as health guidelines permit) each marking period. Students will gain a deeper understanding of musical elements (melody, harmony, rhythm, tone colors and more) in a particular style, based on the type of concert we will be attending. Music theory, music history and ear training will be covered and used to make the music come alive!

***EXTRACURRICULAR MUSIC PERFORMING ENSEMBLES can be found on last page***

***THEATRE ART COURSES***

***INTRODUCTION TO THEATER***  
(quarter course)

***Grades 9, 10***

This course is an introduction to theatre basics, etiquette, and elements. This will include basic movement, acting exercises, character development, and learning how to perform a monologue. Students will also be introduced to some playwrights and considerations to keep in mind when reading a play.

***THEATRE ARTS (semester course)***

***Grades 11, 12***

Prerequisite: Must maintain "C" average or above in all classes

Both the serious acting student and the student that is simply curious about theatre will be able to navigate this course. The first quarter examines the history of theatre, types of stages, body positions onstage, the different jobs in theatre, script analysis and character analysis. The second quarter explores elements of theatre, including improvisation, play production, acting techniques, and script writing. The audition process is explored through monologues. Both junior and senior students get the option to write their own one act plays, while seniors will be invited to direct theirs at the Performing Arts Black Box event along with the members of After School Theatre and Black Box. Juniors get to assist seniors with their plays, or they may act in them. This is an option for class members, not a requirement, as After School Theatre members and Black Box members will be the only ones required to do it.

***DANCE ELECTIVE***  
(semester course)

***Grade 9\*, 10***

The course will focus upon dance techniques encompassing ballet, jazz, theater dance, world dance and other contemporary dance styles. The emphasis will be on history, dance appreciation, the choreographic process, proper technique, rhythmical movement patterns, and coordination. The class period will consist of a brief warming up, stretching and strengthening dance exercises and techniques, improvisation and creation of movement, in addition to jazz, ballet, theater dance, world dance or hip hop combinations. Students will also be introduced to the history of dance in

America and around the world. (\* freshmen would choose this as their elective and PE)

## ***DANCE I***

***Grades 11, 12***

**Prerequisite:** Audition and previous participation in one semester of After School Dance; must maintain “C” average or above in all classes

This course fulfills the physical education requirement. Juniors in the dance department will study technique and terminology in ballet, modern, and jazz. Their skills and improvement are tested and measured through movement quizzes, written tests and exams. Students are also assigned a weekly journal, research projects and dance critiques. Students will also participate in workshops in musical theatre dance, social dance, nutrition, auditioning techniques, resume writing, and head shots. Participation in two main stage shows a year is a requirement for all dance students.

## ***HONORS DANCE II***

***Grade 12***

**Prerequisite:** Audition and previous participation in one semester of After School Dance; must maintain “C” average or above in all classes

Seniors in the dance department will sharpen and refine their technique and terminology in ballet, modern, and jazz. Their skills and improvement are tested and measured through movement quizzes, written tests and exams. Students are also assigned a weekly journal, research projects and dance critiques. Students will also participate in workshops in dance history, musical theatre, dance, social dance, and college portfolios. Seniors are also offered a class in choreography. This class will focus upon the basic principles of good composition. Seniors will learn about how to construct a set, costume a dance, and lighting. The class culminates in a senior choreography project, in which the seniors audition students from RBC to dance their choreography in the spring main stage dance concert. Participation in two main stage shows a year is a requirement for all dance students.

***EXTRACURRICULAR DANCE ENSEMBLES can be found on the last pages***

## ***ENGLISH***

### ***Grade 9***

\*Mock Trial: A Study in Jurisprudence and Debate (quarter course) (ACP)  
Study Skills (quarter course) (ACP)  
English I (CP and ACP)  
Honors English I

### ***Grade 10***

\*SAT/PSAT Verbal Prep (quarter course) (ACP)  
\*Mock Trial: A Study in Jurisprudence and Debate (quarter course) (ACP)  
English II (CP, ACP, and Honors)

### ***Grade 11***

English III (CP, ACP, and Honors)  
\*\*\*Writing Process (semester course) (ACP) (Dual Enrollment)

### ***Grade 12***

English IV  
\*\*\*Honors World Literature and Fine Arts  
AP Literature  
\*\*\*Writing Process (semester course) (ACP) (Dual Enrollment)  
\*\*\*Introduction to Literature (semester course) (ACP)  
\*\*\*The Short Story (semester course) (ACP)

A second English course taken as an elective in senior year fulfills the Fine, Practical, and Performing Arts graduation requirement.

\*These courses fulfill a portion of the Fine, Practical, and Performing Arts graduation requirement.

They must be taken in addition to another English course.

\*\*\*dual enrollment course



## ***ENGLISH DEPARTMENT***

**All courses and levels require completion of summer reading lists!**

### ***STUDY SKILLS***

***Grade 9***

(quarter course)

This course develops and reinforces study and organizational skills. These skills are implemented in class and assist the students in achieving success in all content areas. The course promotes student advocacy and student responsibility.

### ***SAT/PSAT VERBAL PREP (ACP)***

***Grade 10***

(quarter course)

This SAT/PSAT verbal prep course is designed to help students prepare for the rigors of taking the Verbal section of these standardized tests. The course will focus on the following areas: writing a formal essay, including thesis statement, topic sentences, paragraph development, and supporting examples; vocabulary sentence completion; grammar conventions; sentence corrections; and critical reading consumption, in order to improve vocabulary and comprehension skill.

### ***MOCK TRIAL: A STUDY IN JURISPRUDENCE and DEBATE (ACP)***

***Grades 9, 10 (quarter course)***

“We the people, in order to form a more perfect Union, establish Justice ...” Mock courtroom drama will commence as students become the players in an array of simulated trials that demonstrate how our legal system works. The structure of our court system, the functions of judge and jury, and basic trial procedures and strategies that attorneys employ will be analyzed and studied. The students will work on communication skills to argue controversial topics effectively. Different forms of debate will be explored as students learn how to put forth a stance on an issue in a logical, well-spoken manner through orderly discourse; from the persuasive speech, to various debate styles, and proposing bills in a Student Congress setting.

### ***ENGLISH I (Honors and ACP)***

***Grade 9***

Placement determined by diocesan placement test, previous standardized testing and 6, 7, 8 grade record.

This genre course provides students a foundation in both classic and contemporary literature, including a variety of selections within the categories of short story, nonfiction, poetry, drama, and novel. In addition to interpreting and analyzing literature, students will develop their skills in vocabulary, cooperative learning, and both written and spoken language. English I encourages students to be 21<sup>st</sup> century learners through an emphasis in critical thinking, literary discussion, writing, and research, as well as technology-based assessments that enable them to unleash their creativity.

Students at the Honors level should be prepared for a faster-paced, more rigorous syllabus, as well as a higher level of independent thinking and reading.

### ***ENGLISH I (CP)***

***Grade 9***

This course presents extensive work in basic skills, together with literary genres, composition and vocabulary. Various short stories, brief nonfiction selections, poetry, mythology, selected short plays, and review of the fundamentals of grammar will also be incorporated.

## ***ENGLISH II (HONORS and ACP)***

***Grade 10***

**Prerequisite:** Honors: “B-” average in Honors English I; “A” average in ACP English course with a recommendation from student’s current English teacher. Students with an “A” average in CP English and teacher recommendation may level up to ACP.

This course provides students with a chronological study of English II, including classic and contemporary works across the literary genres of short story, nonfiction, poetry, drama, and novel. As students explore these works, they will be able to analyze how the literature reflects the moral, social, and historical context of the specific era in America. English II also builds upon the skills taught in English I by emphasizing critical analysis, vocabulary development, writing, and research.

Students at the Honors level should be prepared for a faster-paced, more rigorous syllabus, as well as a higher level of independent thinking and reading.

## ***ENGLISH II (CP)***

***Grade 10***

This course reinforces fundamental skills in reading comprehension, grammar, and composition. Writing skills ranging from effective sentence structure to proper paragraphing are also stressed. Once these fundamentals have been sufficiently grasped and reviewed, students will commence study of the literature textbook, which offers a survey of relevant works coupled with related literary terms and vocabulary. In addition to reading selections from the anthology, students will read one novel and one play. From these works students will draw on themes, conflicts, and characterization in order to produce various writings. The progress of the students will dictate the pace of the class.

## ***ENGLISH III (HONORS, ACP, and CP)***

***Grade 11***

**Prerequisite:** Honors: “B-” average in Honors English II; “A” average in accelerated college prep English II course with a recommendation from student’s current English teacher. Students with an “A” average in CP English and teacher recommendation may level up to ACP.

This course presents a survey of English literature from the earliest recorded works through works of the Victorian Age. Work in vocabulary is correlated with the study of literature. Students learn the techniques of critical analysis which are expressed in expository writing. They will explore more extensively the tools of literary research and will write a research paper. In addition to the traditional method of testing for evaluation of progress, several alternative assessment procedures will be used throughout the year for evaluation.

## ***ENGLISH IV***

***Grade 12***

This is a comprehensive English course rooted in writing, critical thinking, public speaking, and the discussion and analysis of literature and film. Seniors will write both research papers and analytical essays, learn the skills of speech and rhetoric, and read a variety of literature by authors and playwrights, including Ernest Hemingway and Shakespeare.

## ***THE WRITING PROCESS (ACP) dual enrollment course***

***Grades 11, 12***

(semester course)

The overall approach to this course is a workshop approach, in which students read and respond to texts, including student essays. Students will use computers to compose and review essays in class. They will be encouraged to explore and individualize their written process, as they learn to read critically, respond logically and apply strategies for effective composing and revising.

**INTRODUCTION TO LITERATURE (ACP) dual enrollment course**  
(semester course)

**Grade 12**

Prerequisite: Students in CP English III must have a minimum of an “A-“ and a recommendation from their current English teacher; B in ACP English III; C in Honors English III.

This course provides an overview of literature both for those who love to read and for those who have been intimidated by other literature courses. Students will learn the terminology of the four major literary genres (poetry, drama, short story, and novel). They will study the literary movements that have shaped these genres from the Classicism of Aristotle to the Anti-Realism of MTV. Students will learn to answer essay questions effectively, write papers for literature courses, and how to study literature more efficiently and effectively.

**THE SHORT STORY (ACP) dual enrollment course**  
(semester course)

**Grade 12**

Prerequisite: Students in CP English III must have a minimum of an “A-“ and a recommendation from their current English teacher; B in ACP English III; C in Honors English III.

This course will explore the short story as a literary form. Stories will be examined from analytical, social, psychological, historical, political, racial, gender, and artistic perspectives. Throughout the semester, students will improve their skills in discussing and writing about their insights about the stories.

**HONORS WORLD LITERATURE and the FINE ARTS**  
*dual enrollment course*

**Grade 12**

Prerequisite: “B” average in ACP English III or “B-” average in Honors English III or “C” with teacher recommendation

This course provides seniors the exciting opportunity to delve into literature from around the globe and examine our connection with human beings of other times and cultures. Some of the works studied include classics such as *The Epic of Gilgamesh*, Shakespeare's *The Tempest*, Sophocles' *Oedipus the King* and *Antigone*, and Dante's *Inferno*. Students will further explore the diversity of human experience as they read modern works, including William Golding's *Lord of the Flies* and Markus Zusak's *The Book Thief*. This class emphasizes critical reading, writing, and discussion, coupled with instruction in the fine arts.

**ADVANCED PLACEMENT LITERATURE AND COMPOSITION**

**Grade 12**

Prerequisite: Students must have a “B” in Honors English III and a recommendation from their Honors English teacher.  
***AP College Board test and attendance requirements apply.***

The course is designed for the student who aspires to reach the level of the better college student. Course content combines intensive examination of works of diverse genres—plays, novels, poetry, nonfiction—and practice of analysis in writing. The student will contribute to discussion of a valid interpretation of literature based on close accurate reading of selected texts from ancient (*Oedipus the King*) to modern (*A Portrait of the Artist as a Young Man*, *The Sound and the Fury*) times. The successful student will improve his mastery of syntax and language, particularly the vocabulary of literary analysis.

## ***HISTORY AND SOCIAL SCIENCE***

### ***Grade 9***

Leadership (ACP) (quarter course)  
U.S. History I (CP and ACP)  
Honors U.S. History I

### ***Grade 10***

U.S. History I and II (CP and ACP)  
Honors U.S. History I and II  
A.P. American History

### ***Grade 11***

U.S. History I and II (CP and ACP)  
Honors U.S. History I and II  
World History (CP and ACP)  
Honors World History (dual enrollment)  
\*\*\*A.P. World History  
Principles of Psychology I (ACP) (semester course)  
Principles of Psychology II (ACP) (semester course)  
Sociology (ACP) (semester course)  
A.P. American History  
A.P. European history

### ***Grade 12***

U.S. History II (CP and ACP)  
Honors U.S. History II  
World History (CP and ACP)  
Honors World History  
\*\*\*A.P. World History  
A.P. American History  
A.P. European History  
\*\*\*A.P. American Government and Politics  
Holocaust Elective (ACP) (semester course)  
Contemporary Global Issues (ACP)  
\*\*\*Honors Twentieth Century History (dual enrollment)  
Principles of Psychology I (ACP) (semester course)  
Principles of Psychology II (ACP) (semester course)  
Criminology and Law (ACP) (year course)  
Sociology (ACP) (semester course)  
\*\*\*AP Psychology (dual enrollment)

\*\*\*dual enrollment course

## ***HISTORY and SOCIAL SCIENCE***

### ***LEADERSHIP (ACP)***

***Grade 9***

(quarter course)

The Thomas G. Labrecque Leadership Institute of Red Bank Catholic High School will provide a leadership experience for students to prepare them for the challenges they will encounter on their professional and personal life journey.

The course addresses leadership as it relates to ethics in contemporary issues like social media and advertising. Students will also work on problem solving and communication skills through presentation. It will help students develop a responsibility as citizens of our community, the United States, and the world.

### ***U. S. HISTORY I (ACP)***

***Grades 9, 10, 11***

The United States History I course is a condensed study beginning with the period of colonization and chronologically covers history to the Spanish American War. The students will study in depth the Revolutionary War, the Constitution, the Civil War, Reconstruction, the Gilded Age, and Industrialization. They will explore historical events from a political, social and economic perspective. Students are given a refresher course in essential geography to ascertain that they are able to place historical events in a global context.

### ***U. S. HISTORY I (CP)***

***Grades 9, 10, 11***

The United States History I course is a condensed study which begins with the period of colonization and chronologically covers up to the period of Industrialization. The course focuses on historical events from a political, social and economic perspective. Students will also study geography and how it impacts events in history. This course will also focus on the basic skills needed to be successful, such as study techniques, note-taking skills, and writing.

### ***HONORS U. S. HISTORY I***

***Grades 9, 10, 11***

**Prerequisite:** Students entering Honors United States History I are selected on the basis of their grade school records and a writing test may be required.

Students entering the honors level United States History I course will be provided an opportunity to experience an in-depth study of the key events in American history from the colonial period to the late 1890s. This will be achieved through simulation games, reading of primary sources and analytical essays.

### ***U. S. HISTORY II (ACP)***

***Grades 10, 11, 12***

**Prerequisite:** U. S. History I; students in CP U.S. History I with an "A-" average and teacher approval may select ACP U.S. History II

In a chronological format, this course continues the study of United States history from 1900 to the present. The political and economic growth of our country, the causes and events surrounding World War I and II, the study of social issues, such as the role of minorities in the formation of our cultural heritage, and the increasing involvement of our nation in foreign affairs will be highlighted. This course will also reinforce and enhance the principles of leadership as well as help students develop a consciousness about the nature of our society.

## ***U. S. HISTORY II (CP)***

***Grades 10, 11, 12***

Prerequisite: U. S. History I

This course will present a survey study of the United States from the Spanish American War to modern times. It is designed to give students a sense of the growth and development of the American heritage. The needs of the students in terms of reading levels will be taken into consideration.

## ***HONORS U. S. HISTORY II***

***Grades 10, 11, 12***

Prerequisite: "A" average in ACP U. S. History I or "B-" average in Honors U. S. History I

The purpose of Honors U. S. History II is to provide the student with a deeper understanding of American history. This will be achieved by the variety of tasks such as primary source readings, book reviews, and analytical essays. Various schools of historical thought will be examined.

## ***WORLD HISTORY (CP and ACP)***

***Grades 11, 12***

Students in CP U.S. History II with an "A-" average and teacher approval may select ACP World History

World History is a survey course. The first semester will provide the student with an understanding of the social, cultural and political development of ancient cultures. The second semester concentrates on European history and the impact of Europe on the major regions of the world. Students will develop an understanding of diverse cultures and the need to be tolerant. On the CP level emphasis will be on developing academic skills, as well as developing an appreciation for other cultures.

## ***HONORS WORLD HISTORY***

***Grades 11, 12***

Prerequisite: "A" average in ACP U. S. History II or "B-" average in Honors U.S. History II.

Honors World History is designed to provide the honors level student with a comprehensive introduction into the significant cultures, nations, ideas, and people instrumental in the development and progression of the world. The course also provides the student with the knowledge necessary for a comparative analysis of cultures and trends in history from prehistoric times to the twentieth century. The course also places strong emphasis upon the development of the student's ability to write critically, to formulate logical and substantive opinions, and to be able to voice those opinions in class discussions.

## ***ADVANCED PLACEMENT GOVERNMENT and POLITICS US dual enrollment course***

***Grade 12***

Prerequisite: Students must have a minimum of a "B+" average in their previous Honors History class or an "A" in their previous ACP History class and a recommendation from their current History teacher.

**AP College Board test and attendance requirements apply.**

AP American Government and Politics will give students an analytical perspective on politics and government in the United States. Students will understand the concepts of political ideology and development of the political system and our democratic institutions. Students will be able to evaluate the role of the national government and its relationship to the concept of liberty in a pluralistic society. This course will emphasize the changing political culture of society and its effects on voting patterns, trends and the processes of government.

***HOLOCAUST ELECTIVE (ACP)***  
(semester course)

***Grade 11, 12***

Students who choose to take this elective course will closely and critically examine the Holocaust in the context of modern European history and culture, with a strong focus on anti-Semitism, the development of Nazi ideologies, and consolidation of power in post-WWI Germany. Students will evaluate moral, spiritual, and ethical issues that are central to learning about, and from, the Holocaust. By examining and evaluating the relationships that individuals and groups have to systematic mass violence and genocide, students will enhance their own capacities for critical self-reflection, moral development, and ethical decision-making in contexts where dehumanization, oppression, and injustice are present. This will be achieved through lecture notes, reading both primary and secondary sources, analytical essays and two examinations.

***CONTEMPORARY GLOBAL ISSUES (ACP)***

***Grade 12***

Prerequisite: U. S. History I and II and World History

This course is designed for students who are interested in current events. Discussion will be an integral part of each class. The daily newspaper, magazines, television and radio are utilized as instructional tools and texts. The course will draw from a broad range of topics as daily events unfold. Students will explore controversial issues such as war and international law and delve into the area of international relations.

***HONORS TWENTIETH CENTURY WORLD HISTORY***

***Grade 12***

Prerequisite: "B" average in ACP or "B-" in Honors World History.

This course will provide an introduction to the historical background of the crises of our age. Students will explore the impact of rising nationalism and declining colonialism and the struggle between democracy and dictatorship. An analysis of the consequences of war will be integral to the course.

***ADVANCED PLACEMENT AMERICAN HISTORY***

***Grades 10, 12***

Prerequisite: Students must have a minimum of a "B+" average in their previous Honors History class or an "A" in their previous ACP History class and a recommendation from their current History teacher.  
\*Very well-qualified sophomores may take this course in lieu of taking Honors U. S. History II; a rigorous screening process will be required together with a summer assignment.

***AP College Board test and attendance requirements apply.***

This is an introductory college course for the advanced student. The topical approach is used to study the discovery era to the present, with special emphasis on those topics included in the Advanced Placement program syllabus. Independent research and in-depth readings on assigned topics are integral to the course.

***ADVANCED PLACEMENT WORLD HISTORY (dual enrollment course)***

***Grades 11\*, 12***

Prerequisite: Students must have a minimum of a "B+" average in their Honors World History class or an "A" in their previous ACP Junior History class and a teacher recommendation from their current World History course.

\*Very well-qualified juniors who have an “A” average in Honors US II and a teacher recommendation may take this course in lieu of taking Honors World History; a rigorous screening process will be required.

***AP College Board test and attendance requirements apply.***

This course is an extensive and intensive examination of global societies, social structure, and the themes and processes which have shaped our world since the Middle Ages. The students will learn the analytical and writing proficiencies necessary to succeed on the Advanced Placement World History exam.

### ***ADVANCED PLACEMENT EUROPEAN HISTORY***

***Grades 11\*, 12***

Prerequisite: Students must have a minimum of a “B+” average in their Honors World History class or an “A” in their previous ACP Junior History class and a teacher recommendation from their current History course.

\*Very well-qualified juniors, must have a minimum of a “B+” average in their current Honors History class or an “A” in their previous ACP History class and a teacher recommendation from their current History course, may take this course in lieu of taking World History

This course is to enable students to understand European intellectual, political, social, economic, and cultural history, this course goes beyond mere content. The methods used in this course are designed to provide students with the opportunity to develop skills that will be essential to success in the college environment.

### ***PRINCIPLES OF PSYCHOLOGY I (ACP)***

***Grades 11, 12***

(semester course)

This course introduces interested students to the field of psychology as a scientific and professional discipline. Students will explore the history of psychology, basic research methods, and theoretical perspectives with a focus on abnormal psychology. Utilizing a biopsychosocial approach, students will learn about the role of basic neurological functioning, genes, and experience in the development, maintenance, understanding and treatment of psychological disorders.

### ***PRINCIPLES OF PSYCHOLOGY II (ACP)***

***Grades 11, 12***

(semester course)

Prerequisite: Successful completion of Psychology I.

This course will further student understanding of the academic and professional fields of psychology with an emphasis on normal human development. This course will take a research-driven, biopsychosocial approach to understanding normal physical, cognitive, psychological and social development from conception to death. Relevant topics will include basic neurological functioning and brain development, intelligence and cognition, personality and social psychology.

### ***ADVANCED PLACEMENT PSYCHOLOGY (dual enrollment)***

***Grade 12***

Prerequisite: “A” in Accelerated College Prep Sciences and ACP World History or a “B+” average in Honors World History and a B in Honors Science courses.

**Summer assignment is MANDATORY for all incoming students**

***AP College Board test and attendance requirements apply.***

The purpose of the AP course in Psychology is to introduce the systematic and scientific study of the behavior and mental processes of human beings. Subjects covered include history, methods and approaches, biological bases of behavior, sensation and perception, states of consciousness, learning, cognition, motivation and emotion, developmental psychology, personality testing and individual differences, abnormal psychology, treatment of psychological disorders, statistical analysis, and social psychology.



***SOCIOLOGY (ACP)***  
(semester course)

***Grades 11, 12***

This course is a scientific study of human society and social behavior. Its focus, therefore, is on the group rather than the individual. It emphasizes the concepts of culture, institutions, socialization and social inequality. Collective behavior and social movements receive special emphasis in the course.

***CRIMINOLOGY and LAW (ACP)***

***Grade 12***

Prerequisite: "B" average in CP, "B-" in ACP junior year history course; "C" in honors junior year history course.  
**Students will be required to bring in an approved electronic device ( such as a tablet, laptop or Chromebook) and register it through RBC's BYOD program to be used daily.**

Criminology is the scientific study of making laws, breaking laws, and society's involvement/reaction/role. Criminologists study criminal behavior in a variety of ways to collect and analyze data, patterns, and trends to gain a better understanding of criminal origins and identify prevention measures. This course will define the nature of crime and the characteristics of those who commit them. The course will also examine our court and correction systems to identify their effectiveness in our society.

## ***EXTRACURRICULAR PERFORMING ENSEMBLES***

### ***MUSIC***

#### ***RED BANK CATHOLIC HIGH SCHOOL CHOIR***

***Grades 9, 10, 11, 12***

The Red Bank Catholic High School Choir is the main choral ensemble experience at Red Bank Catholic. The choir is typically 50+ singers each year from varying grade, skill, and talent levels. The RBCHS Choir performs at a variety of on and off campus venues. There is NO AUDITION for this ensemble. Rehearsals are held Tuesdays and Thursdays 3:00-5:00 PM in the Music Room of the Fine and Performing Arts Building.

#### ***CHAMBER CHOIR***

***Grades 9, 10, 11, 12***

The Chamber Choir at Red Bank Catholic is a smaller 16-voice choir that is auditioned from the RBCHS Choir. In addition to the schedule kept by the RBCHS Choir, the Chamber Choir students provide the music at all school Masses and will also perform separately from the RBCHS Choir as needed. Auditions are held at the beginning of each school year and are open to anyone participating in the RBCHS Choir. Rehearsals are held Tuesdays and Thursdays 5:00-6:00 PM in the Music Room of the Fine and Performing Arts Building.

#### ***FESTIVAL ORCHESTRA***

***Grades 9, 10, 11, 12***

The RBC Festival Orchestra is a unique ensemble that performs three times a year: our Christmas Concert, Spring Concert, and Spring Musical. The Festival Orchestra is comprised of students and faculty of Red Bank Catholic in addition to members of the Monmouth Symphony Orchestra and thus provides an unforgettable performance experience for our students. In addition to their orchestral pieces, the Festival Orchestra accompanies the RBCHS Choir at our Christmas and Spring Concerts. Students will also have the opportunity to perform as the pit orchestra for our annual spring musical depending on skill level and orchestration. Rehearsals are held during activity periods as well as when needed closer to performances.

### ***THEATER***

***AFTER SCHOOL THEATRE*** is for the student who has an interest in theater but has not had much exposure/access to it, or for the student who enjoys theater and is interested in enhancing their acting skills and gaining a larger appreciation for the craft. Typically, AST meets for 2-3 hours one day a week after school and we focus on developing fundamental acting skills, character development and general theater knowledge. Students who participate in AST get to showcase their talents & growth as actors in the Drama Showcase.

***FALL/WINTER PLAY and FALL / SPRING MUSICAL*** – Each year the Performing Arts Department mounts a Play and a Musical where all students are eligible to audition, run tech crew, assist in scenic art, apply to be student assistant director, and gain perspective on this multifaceted task: how do we bring a script to life? All auditions are open, but many times we are unable to cast every auditioner. We encourage those who do not make the cast to get involved in other ways, as it is so important for actors to understand the inner workings of a production.

## ***DANCE***

### ***AFTER SCHOOL DANCE PROGRAM***

***Grades 9, 10, 11, 12***

Prerequisite: Auditions required for placement purposes.

This course will focus upon the basic dance techniques encompassing ballet, jazz, and the musical theater dance. The emphasis will be on proper technique, rhythmical movement patterns, coordination and performance. This program is an introduction to the dance program offered to juniors and seniors. The program will meet after school from September to December. In December the students will perform in the “Christmas Cabaret” to showcase their talent.

### ***DANCECOMPANY***

***Grades 11, 12***

Prerequisite: Auditions and previous dance experience required.

Dance Company is considered our traveling troupe. Students should possess a dedicated and hardworking attitude and commitment to the program. Company meets on Fridays for rehearsal from September through May and performs in numerous shows, street fairs, etc throughout the year, including Liturgical/Worship Dance for RBC. There is a company dance intensive in August that prepares them for upcoming appearances. Company also performs and participates in workshops at Walt Disney World.

### ***DANCE TEAM***

***Grades 9,10,11,12***

Prerequisite: Sign ups in June for the next season.

The RBC Dance Team meets the last week in August and Thursdays after school till February. They perform half time at 2 home football games and 2 home basketball games and at least one pep rally. No previous dance experiences required just come and learn choreography and when ready you can perform after evaluation from the captains and coordinator.

### ***SENIOR CHOREOGRAPHY***

***Grades 9, 10, 11, 12***

Prerequisite: Auditions are for placement only.

Seniors in the dance department audition and rehearse their own dance piece to be performed in the Senior Showcase in May. All grades and levels welcome. York Dance Festival!

Pathways to Success.

## ***NEW PATHWAYS INFORMATION***

Pathway - An exploration of opportunities within academic curriculum and practical experience to guide students in an area of interest. These opportunities will help students cultivate their capabilities, assess and solidify career goals, and help refine choices for postsecondary work.

The Pathways Program will guide and allow students to pursue themed electives providing a rich background in a particular area of interest. This flexible approach to scheduling will create opportunities for students to complete a particular “Pathway” in one of six areas. This program, **while completely optional**, will give interested students the chance to demonstrate commitment to an area of study. The Pathways Program is an exciting avenue for students to pursue an area of interest while, at the same time, take elective offerings in various departments.

### **Available Pathways**

Arts, Media and Entertainment  
Business and Entrepreneurship  
Criminal Justice and Law  
Engineering and Design  
Health and Medical Sciences  
Social Science & Humanities

### **What Is Required:**

Complete a minimum of four (4) courses within the focus area.

Pathways will also include a required course/experience, such as a final project, Capstone or Internship, where the student exhibits quality and depth of knowledge in the selected Pathway.

Students should notify their Guidance Counselor no later than the end of sophomore year if they are interested in pursuing a Pathway.

Upon completion of a Pathway, the student’s college application packet will include a letter that describes the Pathways Program, with the name of the completed pathway (ex. Engineering and Design), and the specific course titles that were taken to meet the Pathway’s requirements.