



THE MORE OUR SPIRITS RISE, THE HIGHER OUR FALCON FLIES

# **BURLINGTON TOWNSHIP HIGH SCHOOL**

## **COURSE OF STUDY 2018-2019**

Dear Parents and Students,

The purpose of the Course of Study is to serve as a resource to assist students, parents and school personnel in mapping out an academic program for your high school years. It is important to not only identify the courses in which you want to enroll this school year, but to develop a four-year plan that insures you are able to take all of the courses in which you have an interest before graduating from high school. The four-year plan must include your plan for meeting the state and district graduation requirements, but it should also reflect a link between your high school years and post-secondary plans.

Burlington Township High School is proud to offer a vast array of exciting classes that should prepare you for either college or the work place. Students are encouraged to explore new areas and enroll in rigorous classes that will push them to think critically. This is a time to find out what you like to do and set goals for your future. Your school counselor is a great resource to help you identify the courses that will help you in your quest.

My goal for you as a student at BTHS is for you to be challenged to reach your potential. Every day should bring new understandings and better questions. When you graduate you will be prepared to be a successful member of society. I want you to leave high school confident that you have learned about yourself, with a direction for your future. Enjoy the journey!

Sincerely,

Phil Brownridge  
Principal

# BURLINGTON TOWNSHIP HIGH SCHOOL COUNSELING DEPARTMENT

**James S. Mills - District Director of Pupil Personnel Services**

**School Counselors:**

**Grade(s) 9:**

Heidi Roman (A-Z)

**Grade(s) 10 –12:**

Tara Winkelspecht (A-Co)

Troy Scott (Cr-Joh)

Lara Webb (Jon-Pi)

Alicia Hayes (Pl-Z)

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### PROPOSED NEW COURSES for 2018-2019

**PROPOSED COURSE:**

Algebra I (CP) - YR  
 AP Environmental Science  
 Pharmaceuticals Science  
 Astronomy and Meteorology  
 History and Philosophy of Science  
 Corporate Graphic Design  
 Accounting III

**SUBJECT AREA:**

Mathematics  
 Science  
 Science  
 Science  
 Science  
 Visual Arts  
 Business

All new courses are tentative, subject to approval by the Board of Education and funding in the 2018-2019 school budget.

\*All new courses listed in the Course of Study will be in “*Italics*”

### **COURSES NOT BEING OFFERED for 2018-2019**

Lab Physics I- 9                      CISCO -Internet & Cyber-Security  
 Lab Physics II                      Art of Presentation & Communication  
 Elementary Literacy

## COURSE SELECTION

In considering the selection of courses, it is very important that you make an objective evaluation of your general abilities, interests, academic performance and seriousness of purpose. An intelligent selection of your courses will contribute greatly toward making your high school experience both interesting and profitable. It will best prepare you to fulfill your future educational and vocational plans.

### CREDITS AND SUBJECTS REQUIRED FOR GRADUATION

#### 140 credits are required for graduation.

Within the credits, all students must successfully complete the following subjects:

- 5 credits of Language Arts/Literacy for each year enrolled. (5<sup>th</sup> Year Seniors not included)
- 5 credits of Math each year through the junior year with an additional five (5) credits of math to prepare students for college and 21<sup>st</sup> century careers at some time during the student's high school career, including the following requirements:
  - 5 credits of Algebra I or the content equivalent
  - 5 credits of Geometry or the content equivalent
  - 10 credits of Mathematics based on the concepts and skills of Algebra and Geometry during the student's high school career.
- 10 credits of U.S. History (18A:35-1) with integration of civics, economics, geography and global content
- 5 credits of World History/Geography (18A:35-2) with integration of civics, economics, geography and global content
- 5 credits of Science each year through the junior year, with an additional five (5) credits of laboratory/inquiry based Science at some time during the student's high school career, including the following requirements:
  - 5 credits of Earth and Environmental Science or the content equivalent
  - 5 credits of Biology/Life Science or the content equivalent
  - 10 additional credits of laboratory/inquiry based science, including 5 credits in Chemistry or Physics during the student's high school career. (Beginning with the class of 2020, students will need to take 10 credits in Chemistry AND Physics or the course equivalent)
- 5 credits of physical education, health and safety for each year of enrollment. (18A:35-2)
- 5 credits in visual and performing arts
- 5 credits of 21<sup>st</sup> century life and careers or career-technical education
- 10 credits in World Language
- 2.5 credits in Financial, Economic, Business and Entrepreneurial Literacy
- 22.5 credits in approved courses of study in support of core standards

Those students who opt to enroll in a college in the second semester of their senior year, but due to a scheduling conflict are unable to meet the academic requirements as stated in BOE policy 6146, may petition the Principal for a requirement waiver(s). This waiver may be granted, if the student has completed a minimum four credit years of math and science, and has met all state mandates.

**NOTE: All courses are offered subject to an acceptable number of students enrolling in the course, as determined by the high school administration and the Board of Education.**

### CREDITS REQUIRED FOR CLASS PROMOTION

For a student to qualify for the next grade level, the following standards are established:

Sophomore status - minimum of 30 credits earned

Junior status - minimum of 65 credits earned

Senior status - minimum of 100 credits earned

Fourth year students with fewer than 100 credits, who believe they can meet graduation requirements in one academic year, may appeal to the principal to be placed in a senior grade room.

#### **Sample Four Year Program of Studies**

Listed below are sample four year programs of study for College Prep and Honors/AP students. Keep in mind that these are only sample schedules. Students can move between the two programs. For example, a student may choose to take Honors English and History courses, but College Prep Math courses. Students will also be able to re-evaluate their program each year with their counselor and move up or down in a curricular area. The sample programs should serve as a guide as students plan out their four year program of studies at Burlington Township High School.

## College Prep Sequence

## Honors/AP Sequence

<u>9th GRADE</u>	<u>CREDITS</u>
CP English I	5
Algebra I/Algebra I A & B	5/10
US History I CP	5
Earth & Environmental Science	5
PE/Health I	5
World Language OR Elective	5
Technology & Financial Literacy	5
Elective	5
Elective	5
Minimum TOTAL of:	40

<u>9th GRADE</u>	<u>CREDITS</u>
Humanities/Honors English I	5
Honors Algebra I OR Honors Algebra II	5
Humanities/Honors US History I	5
Honors Earth & Environmental Science OR Lab Physics I	5
PE/Health I	5
World Language	5
Technology & Financial Literacy <b>OR</b>	5
Elective	5
Elective	5
Minimum TOTAL of:	40

<u>10th GRADE</u>	<u>CREDITS</u>
CP English II	5
Algebra II/Algebra II A & B	5/10
US History II CP	5
Lab Biology I CP	5
PE II/Drivers Ed	5
World Language OR Elective	5
Elective	5
Elective	5
Minimum TOTAL of:	40

<u>10th GRADE</u>	<u>CREDITS</u>
Humanities/Honors English II	5
Honors Algebra II OR Honors Geometry	5
Humanities/Honors US History II	5
Honors Lab Biology I	5
PE II/Drivers Ed	5
World Language	5
Elective	5
Elective	5
Minimum TOTAL of:	40

<u>11th GRADE</u>	<u>CREDITS</u>
CP English III	5
Geometry OR Geometry A & B	5/10
World History	5
Lab Chem. OR CCCRP	5
PE/Health III	5
Elective	5
Elective	5
Elective	5
Minimum TOTAL of:	40

<u>11th GRADE</u>	<u>CREDITS</u>
Honors English III	5
Honors Geometry OR Pre-Calculus	5
Honors World History OR AP US History	5/10
Honors Lab Chem OR Honors Lab Physics	5
PE/Health III	5
World Language OR Elective	5
Elective	5
Elective	5
Minimum TOTAL of:	40

<u>12th GRADE</u>	<u>CREDITS</u>
CP English IV	5
Math Elective	5
Lab Physics OR Science Elective	5
PE/Health IV	5
Elective	5
Elective	5
Elective	5
Elective	5
Minimum TOTAL of:	40

<u>12th GRADE</u>	<u>CREDITS</u>
Honors English IV OR AP English	5/10
<b>Calculus OR AP Calculus OR AP Statistics</b>	5/10/10
AP World OR Elective	10/5
AP Biology, AP Chemistry, AP Physics OR AP Environmental Science	10
PE/Health IV	5
AP Spanish, AP French, OR AP German	10
Elective	5
Elective	5
Minimum TOTAL of:	40

- This schedule should be viewed as a SAMPLE
- Students can be in the Honors/AP program in some curricular areas and CP in others
- Students can choose to advance further in a curricular area by choosing to “double up”. For example, students may choose to take French I in Semester 1 and French II in Semester 2. Most AP courses can be taken prior to senior year if a student meets course prerequisite(s).
- Beginning with the Class of 2020, the required science courses will be:  
Earth & Environmental, Lab Biology, Lab Chemistry, Lab Physics (or College & Career Ready Chemistry & Physics)

## **ELIGIBILITY REQUIREMENTS**

Students wishing to participate in the athletic/extracurricular program at Burlington Township High School must meet the following requirements:

1. To be eligible for athletic competition, cheerleading or any activity during the first semester (September 1 to January 31), students must have completed 30 credits and attained a GPA of 2.0 “70” or above, by the end of the previous school year.

This does not apply to incoming students from 8<sup>th</sup> grade.

- To be eligible for athletic competition, cheerleading or any activities, which begin during the second semester (February 1 to June 30), all students must have completed 15 credits and attained a GPA of 2.0 “70” or above from the first semester.

## CHANGE OF COURSES

**Once the student Course Selection Sheet has been signed and returned, changes will be made until August 1<sup>st</sup>.** Students may make changes in their course selection by submitting a written request signed by a parent/guardian. After August 1<sup>st</sup>, schedule changes will be made under the following circumstances only:

- A course request was omitted.
- A required course was missing from the student’s schedule.
- An incorrect level of a course was scheduled.
- A requested course was cancelled due to low enrollment.
- Student has attended summer school and made up a course.
- Student has been identified as “in need of remediation” based on standardized testing results.
- Student is identified as in need of special education and their IEP calls for schedule changes to accommodate individual needs.
- Parent presents documentation that identifies that student as disabled and requests accommodation under Section 504 of the Americans with Disabilities Act.

**NOTE: STUDENTS MAY NOT WITHDRAW FROM A COURSE AFTER THE FIRST TWO WEEKS OF THE COURSE.**

## TESTING REQUIREMENTS

The New Jersey Department of Education came out with specific guidelines in November 2016 listing testing requirements for the students currently enrolled in high school. Students currently in grade 10 and 11 (class of 2020 and 2019) must pass one of the following assessments in order to meet their NJDOE testing requirement for graduation. **Per the NJDOE, in order to use one of the tests below to meet the state testing requirement, students enrolled in Algebra I, Algebra II, Geometry, English I, II, or III must take the PARCC exams.**

ENGLISH LANGUAGE ARTS (ELA)	MATHEMATICS
PARCC ELA Grade 9 $\geq$ 750 (Level 4) or	PARCC Algebra I $\geq$ 750 (Level 4) or
PARCC ELA Grade 10 $\geq$ 750 (Level 4) or	PARCC Geometry $\geq$ 725 (Level 3) or
PARCC ELA Grade 11 $\geq$ 725 (Level 3) or	PARCC Algebra II $\geq$ 725 (Level 3) or
SAT Critical Reading (taken before 3/1/16) $\geq$ 400 or	SAT Math (taken before 3/1/16) $\geq$ 400 or
SAT Evidence-Based Reading & Writing Section (taken 3/1/16 or later) $\geq$	SAT Math Section (taken 3/1/16 or later) $\geq$ 440 or
SAT Reading Test (taken 3/1/16 or later) $\geq$ 222 or	SAT Math Test (taken 3/1/16 or later) $\geq$ 22 or
ACT Reading or ACT PLAN Reading* $\geq$ 16 or	ACT or ACT PLAN* Math $\geq$ 16 or
Accuplacer WritePlacer $\geq$ 6 or	Accuplacer Elementary Algebra $\geq$ 76 or
Accuplacer Write Placer ESL $>$ 4 or	PSAT10 Math or PSAT/NMSQT Math (taken before 10/1/15) $\geq$ 40 or
PSAT10 Reading or PSAT/NMSQT Reading (taken before 10/1/15) $\geq$ 40 or	T10 Math or PSAT/NMSQT Math (taken 10/1/15 or later) $\geq$ 22 or
PSAT10 Reading or PSAT/NMSQT Reading (taken 10/1/15 or later) $\geq$ 22 or	ACT Aspire Math* $\geq$ 422 or
ACT Aspire Reading* $\geq$ 422 or	ASVAB-AFQT Composite $\geq$ 31 or
ASVAB-AFQT Composite $\geq$ 31 or	Meet the criteria of the NJDOE Portfolio Appeal
Meet the criteria of the NJDOE Portfolio Appeal	

\*Indicates test is no longer administered but can be used for the graduating year.

**NOTE: The symbol  $>$  means a score greater than or equal to**

**Beginning with the Class of 2021, the NJDOE has determined that students will be required to pass the PARCC exams in Algebra I and English 10 in order to meet their state testing requirement for graduation. Students who do not pass the Algebra I or English 10 PARCC exams will have the opportunity to submit a portfolio of the work to the NJDOE to meet their testing requirement; provided that they complete all PARCC exams for which they are eligible (Algebra I, Algebra II, Geometry, English I, II, and III).**

Students will be administered the PARCC exam in the semester they are taking the course. Students in a full year math or English will take PARCC exams in the second semester.

All students enrolled in grade 11 are required to take the New Jersey Student Learning Assessment-Science (NJSLA-S), which will be administered in the spring.

## CLASS RANK AND GRADE POINT AVERAGE

Each student will be assigned a class rank and weighted grade point average (GPA) at the end of each school year. A student's class rank and weighted GPA are cumulative, based on the student's entire high school career. The weighted GPA is the point value assigned to the earned grade for each course identified in the BTHS Course of Study as a weighted course. All courses in which students receive a numerical grade will be weighted and used in calculating a student's GPA and class rank. Courses are assigned weighting on the following scale:

- \* course is weighted on a 4.5 scale (100 in the course = 4.5 on the GPA scale)
- \*\* course is weighted on a 5.0 scale (100 in the course = 5.0 on the GPA scale)
- \*\*\* course is weighted on a 6.0 scale (100 in the course = 6.0 on the GPA scale)
- \*\*\*\* course is weighted on a 6.5 scale (100 in the course = 6.5 on the GPA scale)

Refer to the student course listing at the back of the Course of Study to view the weighting assigned to each course.

**Students may be awarded credit for High School equivalent courses such as Algebra I, Honors Algebra I, French I, German I or Spanish I taken prior to 9<sup>th</sup> grade, but these courses will NOT be counted in the student's GPA. Students taking these courses prior to entering the 9<sup>th</sup> grade will still be required to take four math courses and 10 credits in World Language once they enter High School.**

## **HIGH SCHOOL GRADING AND REPORTING POLICY**

Students are to be given numerical grades on report cards including the final exam and the final grade. Teachers should be as objective as possible and must maintain a class roll book with records, which substantiate the grade. Also, any grade below 60 must receive prior approval from the building Principal.

Throughout the duration of a course, there should be sufficient objective grades to complement subjective evaluations. In regular subject areas, the marking period grade is determined as follows:

- 60% -Summative Assessments – Major tests, research reports and/or projects, minimum (2) each marking period.
- 40% -Developmental Assessments – daily and short-term assignments, quizzes and quiz equivalents -with no more than 10% being homework.

When calculating the final grade for a course:

- 80% - The marking period grade(s) will constitute 80% of the final grade.
- 20% - Final examination will be given in all subjects (Physical Education and Health are exempted) and constitutes 20% of the final grade. Exams will evaluate major concepts that have been developed throughout the course.

Seniors who have an average of "A" in a course may be exempt from the final exam.

### **HIGH SCHOOL GRADING SCALE**

<b><u>Percentage Range</u></b>	<b><u>Letter Grade Equivalent</u></b>
90 – 100	A
80 – 89	B
70 – 79	C
65 – 69	D
64 – below	F

## **COLLEGE ENTRANCE REQUIREMENTS**

Entrance requirements vary greatly among colleges and universities. **Hence, it is imperative to become familiar with the specific requirements for individual schools.** In general, four-year institutions require a **minimum** of 16 academic units (1 semester class is equal to 1 unit) including:

- 4 years of English
- 2 years of Social Sciences

- 2 years of Laboratory Science
- 3 years of Mathematics (College Preparatory Level and above)
- 2 years of the same World Language
- 3 years of academic electives

In general, four-year institutions require the SAT or ACT. Many selective schools require between one to three SAT Subject Tests. **Students should check with the specific schools to find out their requirements.**

- A. PSAT/NMSQT – The PSAT/NMSQT is the qualifying exam for the National Merit Corporation’s scholarships and awards for juniors (scores obtained during the junior year will be used to qualify). The test measures verbal, written and mathematical abilities that are important for academic success in college. The PSAT/NMSQT is strongly recommended for any sophomore or junior who plans to take the SAT. The PSAT is offered at BTHS each October.
- B. The SAT Reasoning Test measures mathematical, writing, and critical reading abilities during a single 3 hour, 45 minute session. The individual SAT Subject Tests measure ability in specific subject area and are one hour in duration. Students can register for up to three SAT Subject Tests on the same date. More detailed information can be found at [www.collegeboard.com](http://www.collegeboard.com). The SAT is offered at BTHS each December and March.
- C. American College Testing Program (ACT) – The ACT is a series of four tests in English, Mathematics, Social Sciences, and Natural Sciences. The test is accepted in place of the SAT at most colleges and universities. Registration information is available in the Counseling Office. More information can be found at [www.act.org](http://www.act.org).

## PREPARING FOR COLLEGE ATHLETICS

NCAA Division I and II institutions have adopted certain academic requirements that must be met for a student to qualify for participation (i.e. practice and competition) in intercollegiate athletics and for the receipt of athletically related financial aid as a freshman.

**NOTE: That there have been changes made by the NCAA in the number of core courses required.**

Sixteen core courses are now required, including:

- 4 years of English
- 3 years of Math (Algebra I and higher)
- 2 years of Natural/Physical Science (at least one lab course)
- 1 year of additional English, Math or Science
- 2 years of Social Science
- 4 years of additional courses (from any area above or Foreign Language, Philosophy or Non-Doctrinal Religion)

Students interested in competing in athletics at an NCAA institution must complete the NCAA Clearinghouse form, which is available online at [www.eligibilitycenter.org](http://www.eligibilitycenter.org). It is recommended that students apply during their junior year.

## INDEPENDENT STUDY

Students will have an option to do independent study for credit if there is a conflict within their schedule that prevents them from taking a course that is of interest to them. In order to take advantage of this opportunity, the student must contact the teacher of the course and his or her counselor to complete a contract, which outlines what work, must be done in order to earn credit for that course. The independent study contract must be approved by the Principal and completed within the first two weeks of the semester.

## COLLEGE ACCELERATION PROGRAM

### **What is CAP?**

The College Acceleration Program (CAP) is an innovative program offered in conjunction with Rowan College at Burlington County College and BTHS. CAP offers our students the opportunity to earn college credits for courses taken right here at BTHS. These college freshman or sophomore-level courses, widely accepted by colleges and universities nationwide, offer our students broader, more challenging course options and a head start on a successful college career – without ever leaving the friendly confines of BTHS.

### **Who Teaches CAP Courses?**

CAP courses are taught by BTHS faculty. These staff members serve as RCBC adjunct faculty members for the purpose of their CAP course load.

### **What courses are offered?**

During the 2017-18 school year, the following courses were offered as CAP courses at BTHS:

AP English Literature & Composition	AP Biology	AP Statistics
AP Government & Politics	AP Chemistry	AP Calculus
AP Psychology	AP Physics	Calculus
AP US History	Honors Anatomy & Physiology	Pre-Calculus
AP World History	AP Spanish Language	Entrepreneurship
Theater III and Theater IV	Spanish IV	Adobe Photoshop
Music Theater Workshop	AP French Language	Adobe Illustrator
Jazz Ensemble	Ceramics II	American Cinema
		Tomorrow's Teachers

At the completion of the course, students will receive credit for the course on their BTHS transcript as well as a transcript from RCBC. (Example: AP English would be listed on the RCBC transcript as English 101.)

### **How does my student enroll?**

Interested and qualified high school students complete a special RCBC application for high school students, available in the Counseling Office. RCBC's usual application fee of \$20 is waived for CAP students. During the 2017-18 school year, the tuition charged by RCBC was at the greatly reduced rate of \$150 for a three or four credit course.

### **RCBC classes taught at BTHS.**

In addition to the CAP Program, three college classes were taught on our high school campus during the 2017-18 school year. The Introduction to Criminal Justice, American Sign Language and Introduction to Electronics classes were taught by RCBC professors and open to any interested students in grades 10-12. The regular RCBC tuition rate would apply (433.50 was the rate for the 2017-2018 school year, or 100.00 for students on free/reduced lunch). During the 2018-19 school year we will be offering Introduction to Criminal Justice and American Sign Language. Interested students should sign up when they select their classes. We will mail an informational letter with the updated tuition rate and a RCBC application over the summer.

## **OPTION II PROGRAM**

### **OPTION II PRO0047RAM:**

- o The Burlington Township School District provides a superior education by utilizing multiple and diverse paths to success for all children. Students will be able to explore education experiences that are meaningful and relevant, and that provide opportunities to explore and achieve at high levels. N.J.A.C. 6A:8-5.1(a)1ii, commonly known as "Option II", permits district Boards of Education to establish curricular activities or programs aimed at achieving the New Jersey Core Curriculum Content Standards for promotion and graduation purposes.
- o Option II serves as an alternative to traditional high school courses. This program will allow students to obtain credit for learning experiences outside of the traditional classroom environment. These experiences provide real-world connections not available in the traditional school setting. In some instances, the credit and grade earned will be calculated into a student's GPA and class rank. Students may also be permitted to adjust the hours of their school day to meet the requirements of an Option II opportunity.

**FOR MORE INFORMATION CLICK THE LINK ON THE GUIDANCE WEB SITE**

## **INTERNSHIPS**

### **SENIOR INSTRUCTIONAL LEADERSHIP CORPS (SILC)/EDUCATIONAL CAREER INTERNSHIP:**

Students who are interested in entering the teaching profession will work with a teacher in the classroom. The student will complete a planned series of activities, projects, and papers designed to give a broad understanding of the teaching experience. This course will be given a numerical grade and will have a College Prep weighting.



**Prerequisite(s):** Students wishing to complete an education internship outside of the high school must successfully complete the Tomorrow’s Teacher course, unless they are interning in a non-classroom area such as nursing. Students wishing to complete an internship with a BTHS teacher must have attained a “90” or above in the class they wish to intern in and have the written approval of the teacher with whom they wish to intern.

**VOLUNTEER CAREER INTERNSHIP:**

Students who are interested in volunteering in a non-profit organization work as a volunteer in an organization such as the YMCA, hospital, animal shelter, etc. This is a non-paid position. The student will work with a mentor completing assigned tasks. Locating a volunteer position will be the student’s responsibility.

**BUSINESS CAREER INTERNSHIP:**

Students who are interested in working as an intern will have an unpaid shadowing/working experience in industry, business, or local government agency. The student will work with a mentor completing assigned tasks. Locating a position will be the student’s responsibility.

**INDEPENDENT PROJECT:**

Students will design and complete a research-based project under the mentorship of a teacher. Upon completion, the project will be presented to the evaluation committee.

**LATE ARRIVAL/EARLY DISMISSAL FOR SENIORS:**

Seniors who have completed 95% or more of their graduation credit requirements by the end of the first semester may request to attend classes for less than a full day (but not less than 4 hours) during the second semester, if the following conditions apply:

1. The request is made in writing to the building principal, accompanied with parental consent and stating the reason for early dismissal. Reasons may include completion of additional coursework, employment, community service, work study, volunteerism, or supervised independent study.
2. The student has never failed a high school course and is in good standing at the time of the request.
3. The student will complete all state and district graduation requirements on time if the request is granted. Such approvals are subject to the final approval of the Superintendent or designee. Transportation in such circumstances is the responsibility of the parents and student, and approval shall not be construed as a guarantee of on campus parking.

**BUSINESS/LIFE SKILLS**

<b><i>COURSE</i></b>	<b><i>GRADE(S)</i></b>	<b><i>CREDITS</i></b>
Accounting I	10-12	5
Accounting II	10-12	5
<i>Accounting III</i>	<i>11-12</i>	<i>5</i>
Advanced Spreadsheet & Database Applications with Microsoft Office	10-12	5
Advertising	10-12	2.5
Business Law	10-12	2.5

Career Technical Education (C.T.E. Class)	10-12	5
Career Technical Education (C.T.E. Work)	12	Up to 10
CISCO – Internet & Cyber-Security (Not offered in 2018-2019)	10-12	5
Entrepreneurship	11-12	5
Gaming with Programming Languages	11-12	5
Internet & Web Page Design	10-12	5
Marketing	9-12	5
Retail Marketing and Operations	10-12	2.5
Sports & Entertainment Marketing	10-12	2.5
Technology & Financial Literacy	9-12	5
Tomorrow’s Teacher	11-12	5

**0501 – ACCOUNTING I – 5 credits**

**Grade(s) 10, 11, 12**

This course is designed to introduce high school students to the field of accounting. Student will work through the financial accounting cycle and payroll for a sole proprietorship simulating an entire fiscal period to add realism and understanding. Career opportunities will be explored to see what the future holds for the accounting profession. This course along with Accounting II is part of the 2+2 AP Program in Accounting at RCBC. This course meets the state requirement for a minimum of 2.5 credits in financial literacy.

**Prerequisite(s):** Grade of “80” or above in Algebra I

**0502 – ACCOUNTING II – 5 credits**

**Grade(s) 10, 11, 12**

Accounting II is our second-year course, which expands on the material learned in Accounting I, and introduces entries for payroll, bad debts, depreciation, notes and interest, inventories, and end-of-fiscal-period work for a corporation. Since we feel accounting is such an important subject for vocations and further education, many students are encouraged to move ahead at their own pace. The students will also do specified financial statements, problems, projects, and spreadsheets on computers. This course along with Accounting I is part of the 2+2 AP Program in Accounting at B.C.C. This course meets the state requirement for a minimum of 2.5 credits in financial literacy.

**Prerequisite(s):** Accounting I

**0541 – ACCOUNTING III – 5 credits**

**Grade(s) 11, 12**

*Interested in a career in Accounting? In this semester long course you will receive continued study in the principles of accounting. You will continue your work learning accounting concepts for a merchandising business. The course may include opportunities for some hands-on experience working in the field.*

**Prerequisite:** Accounting II

**0505- ADVANCED SPREADSHEET & DATABASE APPLICATIONS W/MICROSOFT OFFICE 2010 – 5 credits**

**Grade(s) 10, 11, 12**

This course is designed to meet needs of the students who want to continue their training with the components of software tools applications: Spreadsheet (Excel) and Database (Access). It is highly recommended for students who want to expand their knowledge of computer applications used in the workplace. Simulations will be used to mimic business scenarios. This course meets the Computer Literacy graduation requirement.

**Prerequisite(s):** Information Technology I or Technology & Financial Literacy

**0517 – ADVERTISING (Companion Course: Sports & Entertainment Marketing) – 2.5 credits**

**Grade(s) 10, 11, 12**

Would you like to write a Super Bowl commercial, design a logo for a new product, or create a multimedia promotional campaign for your favorite company? Students can go behind the scenes and see how their favorite products are advertised. Advertising is designed to help students understand the role of promotion, media, publicity, advertising copy and branding. Through projects students will have the opportunity to apply their advertising knowledge and skills and develop leadership potential.

**Prerequisite(s):** Marketing

**0507 – BUSINESS LAW (Companion Course: Retail Marketing) – 2.5 credits**

**Grade(s) 10, 11, 12**

Knowledge of the law is essential to good citizenship. Law is so vitally interwoven in the fabric of our society that none escapes its influence. Indeed, law governs our day-to-day activities as citizens, consumers and employees more than we realize. In this course, emphasis has been placed on the social values of the subject. The lessons provide an understanding of the nature of the law, ethics, legal rights and obligations and the understanding of our courts and law enforcement agencies, laws for minors and families, and careers in law.

**0539 – CAREER TECHNICAL EDUCATION (C.T.E. CLASS) – 5 credits**

**Grade(s) 10, 11, 12**

This is a semester work experience preparation course for students who plan to be enrolled in the structured learning experience program in their senior year. All students will be taught career development, workplace safety, tax preparation, personal finance skills, resume and interviewing skills, as well as some basic workplace procedures. They will utilize the computer to research their career options and search for future employment opportunities. Upon successful completion of the course, all students will then be eligible to enroll in the structured learning work experience (0536/0538) course in their SENIOR year. The class will be worth five credits toward the student's graduation credits.

**Prerequisite(s):** Technology & Financial Literacy

**0536/0538 – CAREER TECHNICAL EDUCATION (C.T.E. WORK) 0536/S-1, 0538/S-2 – Up to 10 credits**

**Grade(s) 12**

This is the work experience course for SENIOR students who are enrolled in, or have completed the career technical education preparation program (0539). The students will be combining their job training outside the school with their classroom instruction. On-the-job training will include being released from school to work/intern/extern or volunteer in a structured learning experience which may be paid or unpaid. Students who participate will be encouraged to maintain their placement during the duration of the course. Hours of work/service experience will be used to determine the number of credit hours senior students will earn. A maximum of 10 credits (600 hours) can be earned in a school year for the CTE work experience. A student working an average of 15 hours per week over the course of the year can earn 10 credits. Pay stubs, time sheets, and visitations by the CTE coordinator will be used for verification of the structured learning experience.

**Prerequisite(s):** Technology & Financial Literacy. Students must also be on target to meet graduation requirements, be recommended for the program by their counselor, meet student parking eligibility requirements, have a worksite placement option, and be reviewed by the CTE Coordinator.

**0519 – CISCO - INTERNET & CYBER-SECURITY (NOT OFFERED IN 2018-2019) – 5 credits**

**Grade(s) 10, 11, 12**

The Introduction to the Internet of Everything & Cyber- Security course provides an overview of the concepts and challenges of the transformational IOE economy. The course discusses the Internet and its evolution to the interconnection of people, processes, data, and things that form the Internet of Everything. The demand for cyber security experts has grown three times faster than any other job role in ICT, and training a cyber-security workforce is a priority of many governments. As we become increasingly reliant on technology and cyberspace to conduct our affairs, we want to safeguard against interruptions in the process.

**0513 – ENTREPRENEURSHIP – 5 credits**

**Grade(s) 11, 12**

Using real-life applications and examples from successful business people, this semester course will offer juniors and seniors an opportunity to create a small business from an idea to a written plan of action. Students will explore different forms of business ownership, basic principles of entrepreneurship, and then apply them to the management of a business in a simulation. Internet business opportunities, (E-Commerce) will also be explored. Students will integrate basic skills of communication, computation, computer application, creativity, problem solving, decision-making and cooperative group interactions. Leadership skills will be enhanced with encouraged participation in the FBLA (Future Business Leaders of America). This is a theory and application course where students will be assessed in teams and as individuals with tests, quizzes, and presentations. A semester long project (Business Plan) will be completed as a requirement for the course.

**Prerequisite(s):** Information Technology I or Technology & Financial Literacy, Marketing; and teacher's recommendation.

**0523 – GAMING WITH PROGRAMMING LANGUAGES**

**Grade(s) 11, 12**

Students will learn coding language through various on-line tasks that require them to work independently. They will use this knowledge to learn how to build games and other online programs. Java Script requires students to use higher level thinking to analyze problems and formulate solutions. This rigorous course requires students to have a solid foundation in algebraic expressions, problem solving and logic.

**Prerequisite(s):** Grade of "80" or above in Algebra I.

**0511 – INTERNET & WEB PAGE DESIGN – 5 credits**

**Grade(s) 10, 11, 12**

Students will learn how to access and retrieve information for reference and resource purposes. The validity of sources will be focused upon. Emphasis will be placed upon the educational usefulness of the Internet. Students will also create simple web pages using HyperText Markup Language (HTML) and/or Front Page 98.

**Prerequisite(s):** Technology & Financial Literacy

**0512 – MARKETING – 5 credits**

**Grade(s) 9, 10, 11, 12**

Want to know more about Starbucks, Nike, Nordstrom, Reebok, or Claire’s? How do they become successful? They hire people with marketing skills! In this class you will explore the aspects of marketing: promotion, selling, merchandising, customer service and business fundamentals. This hands-on class will prepare you for employment in marketing-related jobs or pursue a college degree. You will participate in leadership development activities and may join DECA (An Association of Marketing Students) to have the opportunity to compete at local, state, and international events.

**0515 – RETAIL MARKETING & OPERATIONS (Companion Course: Business Law) - 2.5 credits**

**Grade(s) 10, 11, 12**

Welcome to retailing. In this course you will learn about one of the most exciting, competitive and sometimes challenging businesses in the world. Retailing is everywhere. We will explore retail-marketing activities, their effect on consumers, and some survival tips for employment in retail.

**Prerequisite(s):** Marketing

**0518 – SPORTS & ENTERTAINMENT MARKETING (Companion Course: Advertising) - 2.5 credits**

**Grade(s) 10, 11, 12**

Get ready to learn about two of the most exciting and competitive businesses in the world! Through the use of hands on applications and the Internet, students will be provided with an understanding of the sports/entertainment industry and how basic marketing principles apply to a wide range of sports/entertainment activities. Topics include categories of sports, the sports consumer, sports products, branding, licensing, advertising, entertainment products, promotions and the differences and similarities between the two industries.

**Prerequisite(s):** Marketing

**0516 - TECHNOLOGY & FINANCIAL LITERACY – 5 credits**

**Grade(s) 9, 10, 11, 12**

Technology and Financial Literacy is designed to aid students as they graduate from high school and enter the “real world.” This course must be completed before graduation. The course provides mastery of the keyboard and four essential components of computer application software: word processing, spreadsheet, database, and presentation software. Financial literacy skills will be infused into the course such that students will create budgets, keep financial records, calculate loans, and practice other money management skills using all forms of technology. Proficiency in formatting documents and using the more advanced features of Word will be emphasized. An introduction to spreadsheets and database will be included as well as an introduction to Power Point for creating multimedia presentations. Students will complete a career project utilizing the Internet as a resource. This course or another course that meets the state financial literacy requirement must be completed prior to graduation.

**Prerequisite(s):** Keyboarding skills preferred

**0530 – TOMORROW’S TEACHERS – 5 credits**

**Grade(s) 11, 12**

This course is a study of the history, development, organization and practices of preschool, elementary, and secondary education. All students will participate in a field experience with a cooperating teacher during the last several weeks of the course. It is highly recommended that students who are planning to pursue a career in education, educational administration, counseling, or social work take this course. This is a college level course that receives CAP credit.

**Prerequisite(s):** Students must have a GPA of 4.0 (3.0 with teacher’s approval) or above to be considered.

**Students must complete the following application process:**

- 1. Guidance counselor recommendation**
  - 2. Attend informational meeting to receive application paperwork**
  - 3. Attain 3 additional teacher’s recommendations**
  - 4. Turn in application by stated deadline**
  - 5. Participate in an interview**
- \* **Admission criteria and final acceptance into the course are determined by the program directors.**

## ENGLISH

<i>COURSE</i>	<i>GRADE(S)</i>	<i>CREDITS</i>
English Composition - 9	9	5
English Composition - 10	10	5

CP English I	9	5
Humanities/Honors English I	9	5
CP English II	10	5
Humanities/Honors English II	10	5
<i>AP English Language &amp; Composition</i>	<i>11</i>	<i>10</i>
CP English III	11	5
Honors English III	11	5
Essentials of English IV (EOE) (S-2)	12	2.5
CP English IV	12	5
Honors English IV	12	5
AP English Literature & Composition	12	10
Creative Writing on the Web	10-12	2.5
Elementary Literacy (Not offered in 2018-2019)	10-12	5
Young Adult Literature on Film	10-12	2.5

With entrance into high school, diversification of the English program begins. English courses I, II, III, and IV provide an intensive background for those planning to go to college and for others who will need a solid foundation in language for their career choices. The Honors Course is designed to give students the opportunity to develop their potential by fostering their individual talents in the areas of critical thinking, problem-solving, and communication skills. The class operates on a seminar basis and is designed to prepare the student for AP English and college requirements.

**0031/0034 – ENGLISH COMPOSITION - 9, ENGLISH COMPOSITION-10- 5 credits**

**Grade(s) 9, 10**

Students of English Composition will gain skills crucial for passing the PARCC. This composition class is designed to reinforce reading and writing skills. Smaller class size allows teachers to provide more individualized support and instruction for students. Study skills and organization will also be primary focuses in this skill-building course. This course is designed to give students the skills necessary in becoming better learners.

**0001 – CP ENGLISH I – 5 credits**

**Grade(s) 9**

Students of English I will study a variety of global literary forms as well as the basics of analysis. Included in this course are: fiction and non-fiction represented through the novel, short story, contemporary drama, journals, the epic and poetry. In addition, students are expected to learn basic research skills and MLA format. Reading skills are sharpened in the areas of main idea, supportive detail, sequence and inference. Students learn how to improve study and test taking skills, to use reputable reference sources, and to take useful notes. Proper grammar is emphasized during writing exercises. Texts become the vehicles through which students can meet and exceed the goals for reading, writing, and other Language Arts skills as established by the Common Core State Standards (CCSS).

**0023 – HUMANITIES/HONORS ENGLISH I & US HISTORY I – 5 credits each**

**Grade(s) 9**

These courses prepare students who may eventually want to elect AP English or History.

**NOTE: Students must be recommended for both Humanities English I and Humanities US History I.** The Humanities classes correlate American Literature with American History and run two periods. They count as the freshman requirement for US History I, and English I. Students of Humanities I will study a variety of American and World literature that accurately reflects the time period of approximately 1870-1930. This English portion of the Honors Humanities I course will include short stories, poetry, essays, novels, and memoirs. Students will apply their knowledge of this literature and its history, through writing, reading, discussion, public speaking, and other various forms of assessment. Students will learn how to improve study and test taking skills, to use reputable reference sources, and to take useful notes. Students will be taught proper research techniques and will complete several research projects over the semester.

**Prerequisite(s):** Grade of “90” or above in 8<sup>th</sup> Grade Language Arts & Social Studies, and teacher’s recommendation.

**0003 – CP ENGLISH II – 5 credits**

**Grade(s) 10**

As people living in America, it is important to understand major events and ideas of America’s past and how they affect us today. The literature of this country exposes us to these ideas. This course will look at modern and contemporary literature as a reflection of the American experience, both positive and negative. The literature will be used as a vehicle to help students: identify the use of various literary elements that are used to give more meaning to literature, develop clear and concise written responses, utilize increasingly more complex vocabulary and syntax, identify and correct mechanics errors, and analyze written

text for theme and author's purpose. Beyond the skills that will be taught, students will also gain a better understanding of the experiences of different ethnic, religious, socio-economic, and cultural groups within American society and be able to identify similarities with their own experiences.

**Prerequisite(s):** CP English I or Humanities English I

**0026 – HUMANITIES/HONORS ENGLISH II & US HISTORY II – 5 credits each**

**Grade(s) 10**

The Humanities II course will focus on the literature and historical archives from the years 1930 to the Present. This course encourages students to develop historical awareness and critical thinking skills while they study the development of literary, political, and cultural voices connected to the study of US History. The semester long course will feature activities that are exploratory, analytical, and creative – all of which are vital in developing higher-order thinking skills. The Humanities II program requires critical thinking skills and the discipline to study independently.

**Prerequisite(s):** Grade of “85” or above in Humanities English I and/or “90” or above in CP English I

**0058 – AP ENGLISH LANGUAGE & COMPOSITION – 10 credits**

**Grade(s) 11**

*The AP English Language & Composition course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods. The opportunity to obtain college credit is available through the AP examination given in May. You are encouraged to take the AP exam if you take this course.*

**Prerequisite(s):** Current English teacher's recommendation.

**0005 – CP ENGLISH III – 5 credits**

**Grade(s) 11**

The primary focus of this college preparatory class is exploration of the concept of transformation: emotional, interpersonal, societal, moral and psychological. The focus will be on further development of reading and writing skills. This course is designed to prepare students for CP English IV. Students will also complete all the steps necessary to prepare a research paper. The proficiencies for the course may include:

- A minimum of three papers
- Oral recitations which may consist of: debates, reports, speeches
- Cooperative learning project(s) employing creativity and higher order thinking skills

**Prerequisite(s):** CP English II or Humanities English II.

**0006 – HONORS ENGLISH III – 5 credits**

**Grade(s) 11**

The primary focus of this college preparatory class is exploration of the concept of transformation: emotional, interpersonal, societal, moral and psychological. Extensive reading is required. Higher level reading comprehension and analysis skills as well as writing skills are essential.

This course is designed to prepare the students for Honors English IV and AP English Literature and Composition coursework.

The proficiencies for the course may include:

- A minimum of three papers
- One literary research paper with a critical analysis
- Oral recitations which may consist of: debates, reports, panel discussions, speeches, group teaching activities
- Cooperative learning project(s) employing creativity and higher order thinking skills

**Prerequisite(s):** Grade of “80” or above in Humanities English II or current English teacher's recommendation.

**0016 – ESSENTIALS OF ENGLISH IV (EOE) S-2 - 2.5 credits**

**Grade(s) 12**

Students who have not yet passed one of the tests approved by the New Jersey Department of Education to meet the state testing requirement will be scheduled into this class during the second semester of their senior year. Students will develop a portfolio of work that will be aligned with the Common Core standards. This portfolio will then be submitted to the NJDOE for review. Students whose portfolios are approved will then have met their state testing requirement for graduation.

**0007 – CP ENGLISH IV – 5 credits**

**Grade(s) 12**

This course will explore major literary works of world-renowned authors and works from major literary movements. Students will be required to read material presented, write in the style of various authors, develop and improve their own writing styles as well as write a research paper on a work by a world author.

**Prerequisite(s):** CP English III or Honors English III

**0030 – HONORS ENGLISH IV – 5 credits**

**Grade(s) 12**

Most literature in this course exposes students to philosophies, wisdom, and values as they are seen through a variety of cultures and time periods. This literature helps students appreciate and understand different perspectives, which is a powerful tool for success and for understanding that they are individuals in a diverse world. The texts tend to focus on the inherent human need to search for meaning. The course uses accredited films to compliment, and expand on, the universal issues presented in the texts. These texts become the vehicles through which students can meet and exceed the goals for reading, writing, and other language arts literacies as established by the Common Core State Standards.

**Prerequisite(s):** Grade of “80” or above in Honors English III or current English teacher’s recommendation.

**0022 – AP ENGLISH LITERATURE & COMPOSITION – 10 credits**

**Grade(s) 12**

The rigorous seminar-based course is designed to prepare students for college via the AP English Literature and Composition exam. A poetry explication, various research assignments, and reading several novels and short stories are class requirements. Intensive study of poetry is required. The opportunity to obtain college credit is available through the AP examination given in May. You are encouraged to take the AP exam if you take this course.

**Prerequisite(s):** Current English teacher’s recommendation.

**0065- CREATIVE WRITING ON THE WEB (Companion Course: Young Adult Lit on Film) - 2.5 credits**

**Grade(s) 10, 11, 12**

This course will provide the background and framework for students to explore creating original works, poems, short stories, and dramas...with a twist. Because we live in a time when people are reading on their computers and tablets more and more, students will explore different modes of presenting their creative writing, such as blogs and/or online articles in addition to traditional writing formats common to most courses. This course will challenge students to think beyond the ordinary and to expand their writing capabilities.

**0057 – ELEMENTARY LITERACY (NOT OFFERED IN 2018-2019) – 5 credits**

**Grade(s) 10, 11, 12**

This class will meet three days a week at the high school and will walk across to the Fountain Woods School on the other two days. Students enrolled in this class will learn about literacy skills and assessment. During the two days a week at Fountain Woods, students will be involved with tutoring elementary students.

**Prerequisite(s):** Student must be in good standing and grade of “80” or above in previous English Course

**0049 – YOUNG ADULT LITERATURE ON FILM (Companion Course: Creative Writing on the Web) - 2.5 credits**

**Grade(s) 10, 11, 12**

This course considers films that are primarily geared toward adolescent audiences and/or focus on adolescent characters and concerns as literary texts. Students will engage in critical viewing activities on a daily basis that encourage them to view, analyze, and interpret the films by employing the idiom of both literary and film criticism.

**FAMILY/CONSUMER SCIENCES**

<b>COURSE</b>	<b>GRADE(S)</b>	<b>CREDITS</b>
Careers with Children	11-12	5
Clothing Manufacturing & Production	10-12	5
Community Issues	11-12	5
Culinary Arts I: Introduction to Foods & Nutrition	11-12	5
Culinary Arts II: Chef’s Prep	12	5
Early Childhood Practicum	11-12	5
Human Behavior & Development	10-12	2.5
Parenting	10-12	2.5

**0653 – CAREERS WITH CHILDREN – 5 credits**

**Grade(s) 11, 12**

Any male and female junior or senior may elect this course, which focuses on working with preschool children. The course deals with theory, which enhances learning techniques, and also practical experiences gained by organizing and operating a preschool laboratory for preschool children.

**Prerequisite(s):** Must have taken Human Behavior & Development or Parenting and approval of instructor.

**0661 – CLOTHING MANUFACTURING & PRODUCTION– 5 credits**

**Grade(s) 10, 11, 12**

This semester-long, 5 credit course is open to all students who wish to explore the world of sewing and clothing construction. It will provide students with the opportunity to learn to hand- and machine-sew. Tools, equipment, concepts, and basic sewing skills will be learned and implemented as students create gift items, home decorations, clothing, and accessories (hats, bags, etc.) for personal use or as gifts. This course is a must for any student who is interested in applying to fashion design school and the following areas of fashion: clothing, handbags, shoes/sneakers, and hat design just to name a few.

**0656 – COMMUNITY ISSUES – 5 credits**

**Grade(s) 11, 12**

This course will introduce any male or female junior or senior to the concept of citizenship and community service. The student will learn leadership qualities as well as interpersonal and communication skills. Students will learn about specific community issues and participate in related projects. Students will learn civic responsibility through active participation as well as coordination with his/her academic process. Five hours of community service is required, outside the school day, carried out with an adult community supervisor.

**0658 - CULINARY ARTS I: INTRODUCTION TO FOODS & NUTRITION – 5 credits**

**Grade(s) 11, 12**

This course introduces students to the world of food – how to choose it, how to cook it, and how to buy it. Students will be learning about nutrition as a factor in healthy living as they work in kitchen teams to prepare breads, vegetables, main dishes, desserts and snacks using safe, sanitary, and skilled techniques.

**0659 - CULINARY ARTS II: CHEF’S PREP – 5 credits**

**Grade(s) 12**

After completion of Culinary Arts I, students interested in a career in culinary arts who are enrolled in this course will learn about careers in food service as they work to provide dining opportunities, catering, and food products for consumers. Emphasis will be placed on safety, sanitation, kitchen organization, responsibility delegation, mass-production, catering, basic restaurant management skills, and consumer satisfaction as students work to meet consumer expectations through class-developed projects.

**Prerequisite(s):** Must have taken Culinary Arts I and approval of the instructor.

**0657 – EARLY CHILDHOOD PRACTICUM – 5 credits**

**Grade(s) 11, 12**

This school to work course is designed especially for the student who wants to continue the study of early childhood development or education. The student must be a junior or senior. This course will be taught concurrently with Careers with Children. Since this course has a limited enrollment, a guidance counselor referral, and teacher’s interview are required for entry into this course.

**Prerequisite(s):** Must have taken Careers with Children, and approval of the instructor.

**0651 - HUMAN BEHAVIOR & DEVELOPMENT (Companion Course: Parenting) - 2.5 credits**

**Grade(s) 10, 11, 12**

This course is a prerequisite for Careers with Children. The student will learn, from a psychological point of view, about positive self-image, self-concept, as well as the importance of self-esteem. Students will be study communication, relationships, dangerous relationships, love, dating, engagement, and marriage.

**0652 - PARENTING (Companion Course: Human Behavior and Development) - 2.5 credits**

**Grade(s) 10, 11, 12**

This course is a prerequisite for Careers with Children. The students, male and female, will learn the theory of handling children and will gain practical experience through the use of a “baby simulator.” Students will experience a 48-hour simulation project that teaches a parental point of view. The course will explore all aspects of the decision to have children, preparing for the birth of a child, pregnancy, labor, delivery, adjustments to life after birth, and child development.



## MATHEMATICS/COMPUTER SCIENCE

<b>COURSE</b>	<b>GRADE(S)</b>	<b>CREDITS</b>
Algebra I A & B	9	10
<i>Algebra I (CP) - YR</i>	9	10
Algebra I (CP)	9	5
Honors Algebra I	9	5
Algebra I Support Lab (S-2)	10-12	2.5
Algebra II A & B	10	10
Algebra II (CP)	9-12	5
Honors Algebra II	9-12	5
Geometry A & B	11	10
Geometry (CP)	9-12	5
Honors Geometry	9-12	5
Essentials of Mathematics (EOM) (S-2)	12	2.5
Applications in Math	11-12	5
Foundations of College Mathematics	11-12	5
Pre-Calculus	10-12	5
Honors Pre-Calculus	10-12	5
Calculus	11-12	5
AP Calculus AB	11-12	10
AP Calculus BC	11-12	5
Probability & Statistics	10-12	5
AP Statistics	11-12	10
AP Computer Science Principles	10-12	10

**\*Concepts from the PARCC test are infused into all levels of Algebra I, Algebra II and Geometry.**

### **0102 – ALGEBRA I A & B - 10 credits**

#### **Grade(s) 9**

This course is designed for the student who needs to proceed more slowly with the standard Algebra I course. Students who scored below 700 on the PARCC test will be scheduled into this course. Technology is used to enrich problem-solving skills and to develop graphing techniques through the use of the TI 30XS calculator.

### **0115 – ALGEBRA I (CP) - YR - 10 credits**

#### **Grade(s) 9**

*This course builds on a student's Middle School exposure to mathematics and is designed to provide additional support for students enrolled in Algebra I who have not achieved proficiency in previous PARCC math assessments. Technology is used to enrich problem-solving skills and to develop graphing techniques through the use of the TI 30 XS and TI-83 calculators. Students who earned between 65-79 in Math 8 and received a PARCC math score between 700-729 will be enrolled in this course.*

### **0103 –ALGEBRA I (CP) - 5 credits**

#### **Grade(s) 9**

This course builds on a student's middle school exposure to mathematics. Attention is given to the core topics of algebra, geometry, statistics/probability, discrete math and modeling. Emphasis is given to linear functions through data analysis, algebraic expressions, and the development of real number skills and applications. Technology is used to enrich problem-solving skills and to develop graphing techniques through the use of the TI 30XS and T1-83 calculators. Students who earned an 80 or above in Math 8 and had a PARCC math score between 730 and 749 will be enrolled in this course.

### **0104 - HONORS ALGEBRA I – 5 credits**

#### **Grade(s) 9**

### **HONORS COURSES**

The Honors Courses are designed to give students the opportunity to develop their potential by fostering their individual talents in the areas of critical thinking, problem solving, and communication skills. The classes operate on a seminar basis and are designed to prepare the student for AP coursework.

**Prerequisite(s):** Grade of “85” or above in previous Honors course, or grade of “90” or above in previous CP course, a PARCC math score of 750 or better; and present math teacher’s recommendation.

**Honors Algebra I, Algebra II & Geometry** – the students will learn integrate algebra, geometry, and trigonometry while fostering the student’s individual talents in the areas of critical thinking, problem solving and communication skills.

The proficiencies for the courses include:

- A minimum of two math-related projects
- One research paper with a critical analysis (problem/solution, cause/effect)
- Oral recitations (presentations of problem solving activities, teach lesson)
- Math journal cooperative learning project employing creativity and higher order thinking skills
- Novel
- Use of technology

**\*Credits in these courses will satisfy high school math requirements.**

**0149 – ALGEBRA I SUPPORT LAB (S-2) – 2.5 credits**

**Grade(s) 10, 11, 12**

This course is designed to provide a review of Algebra 1 concepts for those students who have not achieved proficiency on the Algebra 1 PARCC exam. Credits for this course do not satisfy math requirements for graduation.

**Prerequisite(s):** Must have successfully completed Algebra I

**0105 – ALGEBRA II A & B – 10 credits**

**Grade(s) 10**

This course is designed for the student who needs to proceed more slowly with the standard Algebra II course. The continued study of systems of equations and inequalities will lead to the study of matrix operations. Additionally, the study of quadratic functions will be extended throughout the units.

**Prerequisite(s):** Successful completion of Algebra I

**0106 – ALGEBRA II (CP) – 5 credits**

**Grade(s) 9, 10, 11, 12**

The continued study of systems of equations and inequalities will lead to the study of matrix operations. Additionally, the study of quadratic and polynomial functions will be extended throughout the units.

**Prerequisite(s):** Successful completion of Algebra I

**0107 - HONORS ALGEBRA II – 5 credits**

**Grade(s) 9, 10, 11, 12**

The Honors Courses are designed to give students the opportunity to develop their potential by fostering their individual talents in the areas of critical thinking, problem solving, and communication skills. The classes operate on a seminar basis and are designed to prepare the student for AP coursework.

**Prerequisite(s):** See “Honors Courses” on Page 18.

**0159 - GEOMETRY A & B – 10 credits**

**Grade(s) 11**

This course is designed for the student who needs to proceed more slowly with the standard Geometry curriculum. Fundamental geometric concepts are introduced and developed throughout the course. Such topics include the study of geometric figures, trig functions, properties of parallel lines, and proofs.

**Prerequisite(s):** Successful completion of Algebra I and Algebra II or Algebra I A & B and Algebra II A & B

**0108 – GEOMETRY (CP) – 5 credits**

**Grade(s) 9, 10, 11, 12**

Fundamental geometric concepts are introduced and developed throughout the course. Such topics include the study of geometric figures, trig functions, properties of parallel lines, and proofs. Students will use the TI-Nspire Graphing Calculator.

**Prerequisite(s):** Successful completion of Algebra I and Algebra II

**0158 - HONORS GEOMETRY – 5 credits**

**Grade(s) 9, 10, 11, 12**

The Honors Courses are designed to give students the opportunity to develop their potential by fostering their individual talents in the areas of critical thinking, problem solving, and communication skills. The classes operate on a seminar basis and are designed to prepare the student for AP coursework.

**Prerequisite(s):** See “Honors Courses” on Page 18.

**0118 - ESSENTIALS OF MATHEMATICS (EOM) (S-2) – 2.5 credits**

**Grade(s) 12**

Students who have not yet passed one of the tests approved by the New Jersey Department of Education to meet the state testing requirement will be scheduled into this class during the second semester of their senior year. Students will develop a portfolio of work that will be aligned with the Common Core standards. This portfolio will then be submitted to the NJDOE for review. Students whose portfolios are approved will then have met their state testing requirement for graduation.

**0114 - APPLICATIONS IN MATH – 5 credits**

**Grade(s) 11, 12**

This course is designed for the student who wishes to become familiar with the practical problems facing the consumer. All students can benefit from the real-life situations discussed throughout the course. Students will apply their computational skills to the practical problems of everyday life which will include auto ownership, insurance (medical, life, etc.), income, income tax, banking, savings, checking account, credit, food budget, home ownership, and investment.

**0109 - FOUNDATIONS OF COLLEGE MATHEMATICS – 5 credits**

**Grade(s) 11, 12**

This course is the equivalent of RCBC developmental Math course # 075, which is a course designed to prepare students with the necessary knowledge and skills to succeed in a college level math course. Students who earn a score of “76” or above on the Accuplacer Test or a final course grade of “80” or above and a grade of “66” or above on the Accuplacer will be considered "college ready" and will not have to take this developmental course at RCBC. **Students must complete the RCBC College Readiness Now application in order to be eligible. The application will be provided to them on the first day of class.**

**Prerequisite(s):** Successful completion of Algebra I, Algebra II and Geometry

**0132 - PRE-CALCULUS – 5 credits**

**Grade(s) 10, 11, 12**

Previously called Algebra III/Trigonometry, this course is a refinement and extension of the concepts presented in Algebra I, Algebra II and Geometry. Additionally, the inclusion of several units of analytic geometry will help the student understand the relationships between Algebra and Geometry. Problem solving is stressed. This course is intended to be a preparation for the study of Calculus or AP Calculus. Students will use the TI-Nspire Graphing Calculator.

**Prerequisite(s):** Grade of “80” or above in Algebra I, Algebra II and Geometry

**0163 – HONORS PRE-CALCULUS – 5 credits**

**Grade(s) 10, 11, 12**

Honors Pre-Calculus is a rigorous program designed for students who will be pursuing Engineering or other Math intensive fields.

**Prerequisite(s):** Grade of “90” or above in CP Algebra I, II and CP Geometry or grade of “85” or above in Honors Algebra I, II and Honors Geometry

**0111 - CALCULUS – 5 credits**

**Grade(s) 11, 12**

This course is designed for the college-bound student who plans to major in math/science. It is the study of the derivative and the integral, the relationship between those concepts, and their applications. This problem-solving course is designed for the student who has a solid foundation in Pre-Calculus and Physics. Students will use the TI-Nspire Graphing Calculator.

**Prerequisite(s):** Grade “85” or above in Pre-Calculus

**\*\* Since the content covered in Calculus and AP Calculus are very similar, students may take either Calculus or AP Calculus, but not both. \*\***

**0142 - AP CALCULUS AB – 10 credits**

**Grade(s) 11, 12**

AP Calculus covers the AP schedule of topics for differential, multi-variated differential and integral calculus with more emphasis on theory and problem solving than is included in the usual high school introductory course. This course is rigorous, disciplined in nature and is designed for the student who has a solid foundation in math and desires a college level Calculus course. A released AP exam will be administered and graded according to the AP rubrics in lieu of a traditional final examination. Students will use the TI-Nspire Graphing Calculator.

**Prerequisite(s):** Grade of “85” or above in Pre-Calculus; and teacher’s recommendation.

**\*\* Since the content covered in Calculus and AP Calculus is very similar, students may take either Calculus or AP Calculus, but not both. \*\***

The opportunity to obtain college credit is available through the AP examination given in May. Students are encouraged to take the AP exam if you take this course.

**0121-AP CALCULUS BC – 5 credits**

**Grade(s) 11, 12**

This course is a semester long math class designed to cover the topics that are omitted from the AB level course. This course is offered second semester for students who have already successfully completed AP Calculus AB. Some of the new topics are parametric, polar and vector functions, Euler’s method, convergence of improper integrals, and additional methods of integration. This course is rigorous, disciplined in nature and is designed for the student who has a solid foundation in math and desires a college level Calculus course. A released AP exam will be administered and graded according to the AP rubrics in lieu of a traditional final examination. Students will use the TI-Nspire Graphing Calculator.

**Prerequisite(s):** Grade of “85” or above in AP Calculus AB; and teacher’s recommendation.

The opportunity to obtain college credit is available through the AP examination given in May. Students are encouraged to take the AP exam if they take this course.

**0133 – PROBABILITY & STATISTICS – 5 credits**

**Grade(s) 10, 11, 12**

This Probability and Statistics course is a semester class designed for all student who plan on attending a four-year higher learning institution. It will be hands-on in nature and will prepare college bound students with the necessary tools to be successful in a four-year college setting. Students will be required to perform experiments in order to test and prove hypotheses. Many four-year programs now require Probability and Statistics for non-math majors. This course will prepare you for what is expected at that level.

**Prerequisite(s):** Successful completion of Algebra I, Algebra II and Geometry

**0100 - AP STATISTICS – 10 credits**

**Grade(s) 11, 12**

AP Statistics will introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students will be exposed to four broad conceptual themes: Exploring Data, Planning A Study, Anticipating Patterns and Statistical Inference. The opportunity to obtain college credit is available through the AP examination given in May. Students are encouraged to take the AP exam if you take this course. Students will use the TI-Nspire Graphing Calculator.

**Prerequisite(s):** Grade of “85” or above in Pre-Calculus, and grade of “80” or above in previous English class; and teacher’s recommendation. The opportunity to obtain college credit is available through the AP examination given in May. Students are encouraged to take the AP exam if you take this course.

**0141 – AP COMPUTER SCIENCE PRINCIPLES – 10 credits**

**Grade(s) 10, 11, 12**

AP Computer Science Principles (AP CSP) is designed to be the equivalent to a first semester introductory college computing course. This course introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. Students will learn how to use computational tools to analyze and study data and work with large data sets to analyze, visualize, and draw conclusions from trends. Students will learn how to work individually and collaboratively to problem solve. With a unique focus on creative problem solving and real-world applications, AP Computer Science Principles will help prepare students for 21<sup>st</sup> century life and careers.

**Prerequisite(s):** Grade of “90” or above in Algebra I, or grade of “85” or above in Honors Algebra 1, or approval of course instructor.

## PERFORMING ARTS

<b><i>COURSE</i></b>	<b><i>GRADE(S)</i></b>	<b><i>CREDITS</i></b>
American Cinema	11-12	5
AP Music Theory	10-12	10
Art of Presentation and Communication (Not offered in 2018-2019)	10-12	5
Concert Band (S-1/S-2)	9-12	2.5
Introduction to Instrumental Music	9-12	5
Jazz Ensemble (S-1/S-2)	9-12	2.5
Music Production	10-12	5
Music Theory I	9-12	2.5

Music Theory II	9-12	2.5
Musical Theater Workshop- I, II, III	9-12	5
Rhythm Workshop	9-12	5
Songwriting Workshop	10-12	5
String Orchestra (S-1/S-2)	9-12	2.5
Technical Theater I	9-12	5
Technical Theater II	9-12	5
Technical Theater III	12	5
Theater I	9-10	5
Theater II	10-12	5
Theater III	11-12	5
Theater IV	11-12	5
Vocal Music I (S-1/S-2)	9-12	2.5
Vocal Music II (S-1/S-2)	10-12	2.5

**0726 - AMERICAN CINEMA – 5 credits**

**Grade(s) 11, 12**

This is a survey course that will explore the unique genre of the American cinema. There is no better way to understand and appreciate this art form than by surveying those American films that were turning points in the development of the art, craft, business and social consciousness of filmmaking. From silent films, through the golden age of cinema, to the familiar genres that captivate audiences today, this course takes you on a journey through our celluloid past and present. Using the American Institute's list of the 100 greatest American films ever made, this course will enhance your understanding of the acting, directorial styles, cinematography, screenwriting, editing, musical scoring and personalities that have made this art form and its industry an integral part of the American cultural experience. The overall objective of the course is to become an educated and critical participant in the film-going experience not just a passive observer. This is a college level course and a student can receive college credit through the CAP program.

**Prerequisite(s):** Students must have a GPA of 4.0 (3.0 with approval of the instructor) or above to be considered. Parental approval is required.

**0746 – AP MUSIC THEORY – 10 credits**

**Grade(s) 10, 11, 12**

A major component of any college music curriculum is a course introducing the first-year student to musicianship, theory, musical materials, and procedures. Such a course may bear a variety of titles (Basic Musicianship, Elementary Theory, Harmony and Dictation, Structure of Music, etc.). It may emphasize one aspect of music, such as harmony; more often, however, it integrates aspects of melody, harmony, texture, rhythm, form, musical analysis, elementary composition and, to some extent, history and style. Musicianship skills such as dictation and other listening skills, sight-singing, and keyboard harmony are considered an important part of the theory course, although they may be taught as separate classes. The student's ability to read and write musical notation is fundamental to such a course. It is also strongly recommended that the student will have acquired at least basic performance skills in voice or on an instrument.

**Prerequisite(s):** One of the following: Music Theory II, Vocal Music II, Advanced Vocal Technique, and teacher's recommendation.

**0749 – ART OF PRESENTATION & COMMUNICATION (NOT OFFERED IN 2018-2019) – 5 credits**

**Grade(s) 10, 11, 12**

This course will focus on public speaking and the art of communicating in a professional manner. Students will learn about different types of speeches and debate, as well as the forms and appropriate use of media. The focus of this class will be to prepare students for the numerous career settings where employees will be expected to be adept at public speaking and making presentations.

**2701/4701 - CONCERT BAND (2701-S1/4701-S2) 2.5 credits each**

**Grade(s) 9, 10, 11, 12**

The concert band is elective in nature, and is available to students in the 9th through 12th grade(s) who are instrumentally talented and interested. These classes are designed to promote technical proficiency on individual instruments and at the same time to teach the techniques of ensemble and band performance. In addition to the regular band rehearsal, each student is given a weekly semi-private lesson on a rotating schedule. Students enrolled in the band participate in all of this group's activities. Participation within the ensemble is by approval of the director.

**0743/0744 - INTRODUCTION TO INSTRUMENTAL MUSIC (STRINGS -0743/BAND-0744) – 5 credits**

**Grade(s) 9, 10, 11, 12**

This is an introductory level course for students who have never played an instrument, or wish to learn a new instrument. Students will learn how to read and interpret music notation while practicing the fundamentals of their selected instrument. Students may select from any band or orchestral instrument, including brass, woodwinds, strings or concert percussion. Pacing of instruction is flexible, and can be tailored to meet an individual student's needs. Upon successful completion of this course, students may transition into the corresponding ensemble (band or orchestra).

**NOTE: Students may need to own or rent an instrument during the course. See instructor for additional information.**

**Prerequisite(s):** Instrumental or strings teacher's recommendation prior to registration.

**2712/4712 - JAZZ ENSEMBLE (2712- S1/4712- S2) 2.5 credits each**

**Grade(s) 9, 10, 11, 12**

This course is open to any student who wishes to study the art and performance of jazz. Areas of study will include interpretation of jazz styles, improvisation, and individual performance skills. Students must have a strong instrumental background, as they will perform repertoire from various jazz styles. Ensembles may be a mix of large groups or smaller "combos". Students will participate in a minimum of two performances per school year (Winter & Spring concerts).

**Prerequisite(s):** Teacher's recommendation.

**0748 - MUSIC PRODUCTION - 5 credits**

**Grade(s) 10, 11, 12**

This course is an overview course designed to combine basic songwriting skills with computer music production skills in order to create unique, original music. Many musical styles will be explored, but the main focus will be on the development and production of original music. So whether your strength is lyrics, music, rhythm, producing or mixing, this course will hone your craft and expand your musical horizons.

**NOTE: A meeting with the teacher is required in order to be accepted into this class.**

**0709 - MUSIC THEORY I (Companion Course: Music Theory II) - 2.5 credits**

**Grade(s) 9, 10, 11, 12**

Do you know how to play an instrument "by ear" but can't read music at all? Do you want to improve or refresh your music reading skills? Have you ever wondered how musicians read music notation? Does a music staff seem foreign to you? If you answered yes to any of these questions then Music Theory I is the right class for you. It is a lecture-based music class, designed to teach basic music literacy skills. You will be learning the basic written mechanics of music notation as it applies to traditional pitch notation and rhythm on a five-line staff. This course will also provide a richer understanding of music notation practices to those who have some background, but may not always know the reasoning behind what they know. This class is a prerequisite for Music Theory II, which delves into more sophisticated topics and serves as a seamless bridge to the content that is addressed in that course.

**0710 - MUSIC THEORY II (Companion Course: Music Theory I) - 2.5 credits**

**Grade(s) 9, 10, 11, 12**

So you think you know a thing or two about reading music? Why not try taking Music Theory II and perhaps see what you're missing. Music Theory II is a lecture-based music class, designed to augment knowledge and skills acquired in Music Theory I. Many topics covered in Music Theory I will be used as a reference point from which the students will delve into more complex subtopics within the various elements of music such as chord/scale relationships, musical form, chord progressions and harmonization.

**Prerequisite(s):** Completion of Music Theory I or Advanced Vocal Tech with a grade of "75" or above.

**0705/0718/0719 - MUSICAL THEATER WORKSHOP I, II & III - 5 credits**

**Grade(s) 9, 10, 11, 12**

Musical Theater Workshops are designed for the serious vocal and drama student, expanding their skill set in the areas of vocal interpretation, acting, musical theater history and overall musical theater production. Course content includes exercises in voice and acting, the development of vocal and physical skills used on stage, song study and analysis and of landmark musicals. Students will gain an understanding of all the elements involved to achieve a successful theatrical production. A major goal of this course is to create a safe environment in which the students will engage in activities that will broaden their creativity, strengthen their self-esteem and discover the practical applications of these skills that will be used to enrich their lives. This course can be taken up to three times with advanced assessments at the upper levels. This is a college level course and a student can receive college credit through the CAP program.

**Prerequisite(s):** Participation in either Vocal Music or Theater courses or approval from instructor.

**0734 - RHYTHM WORKSHOP - 5 credits**

**Grade(s) 9, 10, 11, 12**

Your pulse, The clock, The tide, Traffic, and Seasons, all of these phenomena have their own inherent rhythm. Rhythm Workshop is a hands-on, music performance laboratory in which students will explore the most essential and fundamental elements of music: Rhythm. The coursework will include the study of traditional and avant-garde rhythmic notation practices, performance-based activities, rhythmic analysis of various types of music, creation of original compositions, and rhythmic analysis of various types of music, creation of original compositions, and a culminating ensemble performance to showcase the

knowledge and skills acquired. Non-musicians, novice musicians, and advanced musicians will all benefit from the flexible pacing, structure and content of this course that offers a truly customizable rhythmic studies opportunity.

**0732 - SONGWRITING WORKSHOP – 5 credits**

**Grades 10, 11, 12**

This course is designed for any student interested in developing their songwriting skills. Some of the topics include basic songwriting history, lyric creation and development, melodic creation, hooks, and finally on recording and delivery. We will use computer technology such as Garage Band, and ProTools to get our songs from the page to broadcast, and our goal is to create recorded demos of songs written in class. This class is LYRIC focused rather than music focused. Although some musical background is helpful, students with real musical and songwriting interest in any style will feel at ease taking this course.

**2721/4721 - STRING ORCHESTRA (2721-S1/4721-S2) 2.5 credits (each semester)**

**Grade(s) 9, 10, 11, 12**

This course is open to all students with an interest in performing, regardless of their current playing ability. Instruments played in the string orchestra include violin, viola, cello, and bass. The course is designed to teach technical proficiency on individual instruments and promote performance.

**0717 - TECHNICAL THEATER I – 5 credits**

**Grade(s) 9, 10, 11, 12**

This course is designed to give the student an introduction to technical theater. The student will explore all aspects of technical theater including lighting, sound, sets, costumes, and props for live theater. Basic theater design concepts will be explored. This is a hands-on course as well as a project-based course. The student will learn how to use all the theater equipment in the Performing Arts Center. The student will be given the opportunity to work on all the plays produced by BTHS and other schools in the district. Appropriate clothing for climbing and sitting on the floor should be worn to class. After school work will be required.

**0742 - TECHNICAL THEATER II – 5 credits**

**Grade(s) 9, 10, 11, 12**

This course builds on concepts learned in Technical Theater I. This class is for the serious technical theater student who may be thinking of a career in theater. Students will design and build sets for the Middle School play as well as create a more in depth lighting project. Serving on the stage crew of a show is required.

**Prerequisite(s):** Technical Theater I and approval from instructor.

**0792 - TECHNICAL THEATER III – 5 credits**

**Grade(s) 12**

Technical Theater III builds on concepts taught in Technical Theater II. This course is intended to be an applied course. Participation in after school and online activities is required. Students will take a leadership role in all high school productions. (i.e. Master Electrician, head carpenter, costume supervisor, or other head of department jobs) Students will learn how to apply for jobs relating to their field of study.

**Prerequisite(s):** Technical Theater I and II and approval from instructor.

**0713 – THEATER I – 5 credits**

**Grade(s) 9, 10**

This course is designed to introduce the high school student to the magical and transformational world of theater and theatrical production. This is a survey course, which focuses on theater appreciation, theater history, important plays and playwrights, theatrical terminology, acting, writing original work and improvisational techniques. Throughout the course students will engage in activities that will broaden their creativity and enhance their ability to express themselves with clarity and honesty.

**0714 – THEATER II – 5 credits**

**Grade(s) 10, 11, 12**

This course is designed to inspire the more serious drama student, expanding their skill set in the areas of acting, directing, playwriting and overall theatrical production. Course content includes acting and directing styles, exercises in advanced improvisation, development of physical and vocal skills used on stage, monologue and scene study, script analysis and characterization. Students will gain an understanding of all the many elements involved to achieve a successful theatrical production. This is an honors level course.

**Prerequisite(s):** Theater I or approval from instructor.

**0725 – THEATER III – 5 credits**

**Grade(s) 11, 12**

This course is designed for the serious drama student interested in exploring advanced acting and directing techniques, monologue and scene study, improving audition skills, and in depth study of theatrical production and history. This course also covers modern theories of creative thought and 21<sup>st</sup> century leadership skills. Participation in the fall or spring production in some capacity is a requirement for this course. This is a college level course and a student can receive college credit through the CAP program.

**Prerequisite(s):** Theater I and Theater II or approval from instructor.

**0778 – THEATER IV – 5 credits**

**Grade(s) 11, 12**

This is a project-based course designed to build on all of the theater courses offered at BTHS. This course is for the advanced and serious drama student who can work independently and is a creative and critical thinker. A student must have approval from a member of the theater department who will work with them as a teacher/mentor expanding their skill set in the areas of acting, directing, playwriting, producing, dramaturgy, teaching, research, technical theater, creative and critical thinking as well as arts administration. Students will work with their teacher/mentor to set artistic and practical objectives with a timeline of benchmarks and complete a final project. Participation in the fall or spring play in some capacity is a requirement for this course.

**Prerequisite(s):** Theater I, II and III or approval from instructor.

**2700/4700 - VOCAL MUSIC I (2700- S1/4700- S2) – 2.5 credits (each semester)**

**Grade(s) 9, 10, 11, 12**

The choir is available to all students in the 9th through 12th grade(s) who are interested in singing in a large performance ensemble. In addition to daily singing and voice-building work, we will explore the many styles of music from classical to hip-hop, and from early jazz to modern musical theatre. There are two public concerts as well as several community performances scheduled annually for the choir. Enrolled students will perform in the group’s concert events.

**2710/4710 - VOCAL MUSIC II (2710- S1/4710- S2)) – 2.5 credits (each semester)**

**Grade(s) 10, 11, 12**

The choir is available to all students in the 10th through 12th grade(s) who are interested in singing in a smaller chamber ensemble with works at a higher difficulty level. The class will include studies in music reading, ear training, and advanced vocal production, and is intended for those students interested in a more in-depth vocal music experience. There are two public concerts as well as several community performances scheduled annually for the choir. Enrolled students will perform in the group’s concert events.

**Prerequisite(s):** 2 Semesters of VOCAL MUSIC I and instructor approval. Audition may be required.

**PHYSICAL EDUCATION**

<i><b>COURSE</b></i>	<i><b>GRADE(S)</b></i>	<i><b>CREDITS</b></i>
Physical Education	9-12	3.75
Health/Driver’s Ed	9-12	1.25
Peer Leadership	11-12	10

**0800/0801/0802/0803 - PHYSICAL EDUCATION I/ II/ II & IV – 3.75 credits**

**Grade(s) 9, 10, 11, 12**

The Physical Education program in the high school is co-educational and emphasizes life-long wellness. The goal of our program is to have our students become health literate and physically educated. We have a planned program for each year. In the freshmen and sophomore years, the goal is to improve the student’s basic skill level for team sports and cooperative learning. During the junior and senior year, the concentration is on higher level team sports, lifetime activities and project U.S.E.

**0809/0810/0811/0812 – HEALTH I/ Driver’s Ed/ II & IV – 1.25 credits**

**Grade(s) 9, 10, 11, 12**

The health program is comprehensive and progressive. Concentration during freshman year is on wellness, fitness, self-esteem, conflict resolution, drug, and alcohol. The sophomore year is a driver’s education course where students learn about rules and procedures for driving including the New Jersey driving laws. During the junior year of health, the focus is on human sexuality. The senior year is devoted to first aid, CPR and suicide prevention.

**0820/0805 – PEER LEADERSHIP (0820 S-1/0805 S-2) – 10 credits**

**Grade(s) 11, 12**

This year-long elective course enables teens to develop critical thinking skills necessary to make personal life decisions and to teach others about important decision-making skills. Students will be trained to act as peer educators, conducting workshops to K-12 students, peers, parents, educators and the community focusing on a variety of topics such as sex, drugs, alcohol, bullying, violence, dating, conflict resolution, suicide prevention and other important issues related to youth. Based on the experiential learning model, students will use drama, skits, and music to educate their audience. Counseling skills and group work will be an integral part of this course along with an emphasis on team building. Students scheduled for Peer Leadership will also take their PE/Health during this block. Students will be awarded five (5) credits for PE/Health at the CP level for the first semester and five (5) credits for Peer Leadership at the Honors level for the second semester. This is a performance-based class. Unsatisfactory participation may result in the dismissal of the student from the class based on the discretion of the



teacher(s). Student will be evaluated at the conclusion of each quarter. Student will also be required to sign contracts related to out-of-school behavioral expectations.

**Prerequisite(s):** Interested students must submit an application for the program with the PEER LEADERSHIP advisor and be interviewed for acceptance into the program. Students accepted into the program must attend the out-of-district retreat and perform community service hours.

**For each year of enrollment, a student must pass both Physical Education and Health to graduate.**

## SCIENCE

<b>COURSE</b>	<b>GRADE(S)</b>	<b>CREDITS</b>
Earth & Environmental Science	9-12	5
Honors Earth & Environmental Science	9-12	5
Lab Biology I	9-12	5
Honors Lab Biology I	9-12	5
Lab Physics I – 9 (Not offered in 2018-2019)	9	5
Lab Biology II	10-12	5
AP Biology/Cell & Molecule	11-12	10
Lab Chemistry	10-12	5
Honors Lab Chemistry	10-12	5
AP Chemistry	11-12	10
Honors Lab Physics I	10-12	5
Lab Physics II (Not offered in 2018-2019)	11-12	5
AP Physics I	11-12	10
Anatomy & Physiology	11-12	5
Honors Anatomy & Physiology	11-12	5
Biotechnology & Forensics	11-12	5
Genetics	11-12	5
Marine Biology & Oceanography	10-12	5
College & Career Ready Chemical & Physical Science	9-12	5
Science Lab Technician	11-12	0
<i>AP Environmental Science</i>	<i>11-12</i>	<i>10</i>
<i>Pharmaceuticals Science</i>	<i>10-12</i>	<i>5</i>
<i>Astronomy and Meteorology</i>	<i>10-12</i>	<i>5</i>
<i>History and Philosophy of Science</i>	<i>11-12</i>	<i>5</i>

### **0327 – EARTH & ENVIRONMENTAL SCIENCE – 5 credits**

#### **Grade(s) 9, 10, 11, 12**

Students will build an understanding of earth materials, processes, changes, and uses with concerns for good management of resources; will develop understanding of the physical earth; will gain an understanding of the evolution of the earth system; will investigate the hydrosphere and its influences on the lithosphere, the atmosphere, and environmental quality; will explore the dynamics of the atmosphere and its processes influencing climate and air quality; will explore interrelationships of the natural world; will identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them; will acquire an understanding of the earth in the solar system and its position in the universe and will consider alternative choices facing human societies in their stewardship of the earth.

### **0328 - HONORS EARTH & ENVIRONMENTAL SCIENCE – 5 credits**

#### **Grade(s) 9, 10, 11, 12**

See Environmental Science above. This course is designed for freshmen who want the challenges of a more rigorous science course in order to prepare for future Honors and AP science courses.

**Prerequisite(s):** Grade of “87” or above in 8<sup>th</sup> grade math and science classes; and current math and science teacher’s recommendation.

### **0301 - LAB BIOLOGY I – 5 credits**

#### **Grade(s) 9, 10, 11, 12**

This course is a lab-centered study of the life sciences. Topics include cell biology, genetics and evolution.

### **0316 - HONORS LAB BIOLOGY I – 5 credits**

**Grade(s) 9, 10, 11, 12**

Students should have a strong interest in science. This course is an inquiry-based study of the life sciences. Topics will include biochemistry and cellular biology, homeostasis, cell energetics, inheritance, molecular genetics, and evolution. Students will complete laboratory activities, group projects and a variety of assessments.

**Prerequisite(s):** Grade of “85” or above in previous math and science class; and present science teacher’s recommendation.

**0303 - LAB PHYSICS I – 9 (NOT OFFERED IN 2018-2019) – 5 credits****Grade(s) 9**

This course is a study of motion and forces. Things around us are constantly moving, and forces are being applied to us from every which way. In order to understand the world, we must understand these phenomena. This is a lab-based course incorporating both traditional and computer based labs.

**Prerequisite(s):** Grade of “90” or above in Algebra I, 750 or higher on the 7<sup>th</sup> grade PARCC test and a teacher recommendation.

**0302 - LAB BIOLOGY II – 5 credits****Grade(s) 10, 11, 12**

Biology II is a continuation of Biology I. Whereas Biology I deals with life on the cellular and molecular level, Biology II deals with life on the organismal level. Topics to be covered include taxonomy of plants and animals and ecology. Much of the class is laboratory-based and participation in dissections is a course requirement.

**Prerequisite(s):** Lab Biology I

**0307 - AP BIOLOGY /CELL & MOLECULE – 10 credits****Grade(s) 11, 12**

AP Biology is an Introductory College Level Course given in Burlington Township High School. By taking AP Biology, students will be taking a similar or even an identical course to College Students taking their First College Level Biology course (General or Introduction to Biology). In this course, students will explore several sub-fields in biology, and complete labs to develop their understanding of biology. This course is designed to both present an in depth, college level study of the biological sciences and to help students develop college Level critical thinking skills, writing Skills, and study habits.

**Prerequisite(s):** Grade of “85” or above in Honors Lab Biology; and teacher’s recommendation. The opportunity to obtain college credit is available through the AP examination given in May or 8 CAP credits from RCBC. You are encouraged to take the AP exam. Since this is a yearlong course, the 10 credits will be awarded upon successful completion of all course work.

**0333 –LAB CHEMISTRY – 5 credits****Grade(s) 10, 11, 12**

This is a comprehensive course in chemistry, which deals with the major concepts in general chemistry. These topics include measurement, significant figures, structure of the atom, formula writing, balancing chemical equations, stoichiometry, the kinetic theory of matter, and other topics if time permits. Problem solving is developed throughout the course.

**Prerequisite(s):** Algebra I

**0304 - HONORS LAB CHEMISTRY – 5 credits****Grade(s) 10, 11, 12**

This is a rigorous, comprehensive course in chemistry, which deals with the major concepts in general chemistry. These topics include measurement, significant figures, structure of the atom, electron arrangement, formula writing, balancing chemical equations, stoichiometry, bonding, the kinetic theory of matter, gas laws, acids and bases, molarity, molality, equilibrium, and other topics if time permits. Problem solving is developed throughout the course. Being a very math intensive course, students who have done well in algebra will do best. The ideal student will have a strong background in algebra.

**Prerequisite(s):** Grade of “85” or above in Algebra I and teacher’s recommendation.

**0308 - AP CHEMISTRY – 10 credits****Grade(s) 11, 12****(INORGANIC – S-1)**

A college chemistry text provides extensive depth dealing with the following topics: stoichiometry, atomic structure, redox reactions, chemical periodicity, ionic and covalent bonding, molecular structure, molecular orbital theory, reactions in solution, kinetic molecular theory and the gas laws. Understanding concepts and applying them in problem solving is an integral part of this course. Laboratory work will support these concepts.

**(ORGANIC – S-2)**

In addition to providing a solid background in organic chemistry, this phase of the course will present key topics in college chemistry including acid-base chemistry, the study of liquids and solids and solutions, colligative properties, thermodynamics, chemical kinetics, chemical equilibrium, electrochemistry and nuclear chemistry. Applying concepts to problems will be emphasized. Laboratory work will support these concepts.

**Prerequisite(s):** Pre-Calculus (completed or concurrent), grade of “85” or above in Lab Chemistry; and teacher’s recommendation. The opportunity to obtain college credit is available through the AP examination given in May. You are encouraged to take the AP exam. Since this is a yearlong course, the 10 credits will be awarded upon successful completion of all course work.

**0305 – HONORS LAB PHYSICS I – 5 credits**

**Grade(s) 10, 11, 12**

This course is a study of motion and forces. Things around us are constantly moving, and forces are being applied to us from every which way. In order to understand the world, we must understand these phenomena. This is a lab-based course incorporating both traditional and computer based labs.

**Prerequisite(s):** Grade of “90” or above in Algebra I

**0312 - LAB PHYSICS II (NOT OFFERED IN 2018-2019) – 5 credits**

**Grade(s) 11, 12**

This course is a study of waves (light, optics, sound, and acoustics) and, energy (electricity, magnetism, and nuclear). We interact with our world through light and sound, but few of us truly understand light and sound; here’s your chance. This is a lab-based course incorporating both traditional and computer based experiments.

**Prerequisite(s):** Grade of “85” or above in Algebra II

**0314 - AP PHYSICS 1 – 10 credits**

**Grade(s) 11, 12**

**Algebra-Based** is the equivalent to a first semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy and power; and mechanical waves and sound. It will also introduce electric circuits.

**Prerequisite(s):** Pre-Calculus (completed or concurrent); and teacher’s recommendation. The opportunity to obtain college credit is available through the AP examination given in May. You are encouraged to take the AP exam.

**0332 – ANATOMY & PHYSIOLOGY – 5 credits**

**Grade(s) 11, 12**

This course will introduce many aspects of selected systems of the human body. These systems will include integumentary, skeletal, muscular, nervous, cardio vascular, respiratory and excretory. The labs for the general anatomy course will not include dissection although on-line options may be utilized in their place.

**0319 – HONORS ANATOMY & PHYSIOLOGY – 5 credits**

**Grade(s) 11, 12**

This is an advanced study of the structure and functions of the human body. The course will include the investigation of all the body systems, their organ makeup, tissue makeup and physiological functions. In addition various pathological conditions will be explored. Extensive use of lab, particularly dissection, will be made in this course and students taking the honors level of Anatomy & Physiology should be prepared to participate in these dissections. It should serve those students interested in careers in any of the health sciences. **This course is weighted at an Honors Level and qualifies for RCBC CAP Credit.**

**Prerequisite(s):** Grade of “85” or above in Laboratory Biology

**0320 - BIOTECHNOLOGY & FORENSICS – 5 credits**

**Grade(s) 11, 12**

Forensic science is the application of science to the purposes of law. This course will serve to introduce students to some of the basic concepts of collecting and analyzing forensic evidence utilized forensic specialists including, blood analysis, fingerprinting, DNA, hair, fiber, glass, and post mortem analysis. Biotechnology has been a part of human existence since the first time we made bread. This course will explore the recent advances in biotechnology including: gene therapy, cloning, genetic fingerprinting, recombinant DNA technology, DNA chips and bioinformatics.

**Prerequisite(s):** Grade of “85” or above in Geometry

**0313 - GENETICS – 5 credits**

**Grade(s) 11, 12**

This course includes subjects such as meiosis, probability, autosomal inheritance, lethal genes, genetic prognosis, ratios, Hardy-Weinberg equilibrium, multiple alleles, blood typing, sex linkage, polygenetic inheritance, mutations, heredity and environment. It is a lab-based class in which students will be required to perform a variety of genetic crosses using plants and insects.

**Prerequisite(s):** Successful completion of Lab Bio I, Lab Bio II (may be taken concurrently) and Algebra I.

**0315 - MARINE BIOLOGY & OCEANOGRAPHY – 5 credits**

**Grade(s) 10, 11, 12**

This course will study the biology as well as the physical aspects of the ocean. The first half of the course will cover general topics in ecology, marine flora and fauna and ocean characteristics. The second half of the course will examine the marine biology and oceanography of New Jersey.

**Prerequisite(s):** Lab Biology I.

**0326 – COLLEGE & CAREER READY CHEMICAL & PHYSICAL SCIENCE – 5 credits****Grade(s) 9, 10, 11, 12**

This course provides emphasis on the physical and chemical sciences at work in our world. Students will explore general concepts in chemical and physical science. Coursework will also include investigations and experiments along with lectures and readings.

**0324 - SCIENCE LAB TECHNICIAN – no credits****Grade(s) 11, 12**

Science Lab Technician is designed for the senior student who plans to major in science. Lab technician are responsible for laboratory setup, breakdown and maintenance of the laboratory facility. The technician are also used to aid the teacher in instruction and other classroom activities. **(This is a non-credit activity that students may take in place of an Advisory Period.)**

**Prerequisite(s):** Grade of “85” or above in all science courses. Please see Mr. Luyber for application procedures.

**0034 - AP Environmental Science – 10 credits****Grade(s): 11, 12**

*“What makes this course interesting?” Students will learn about the natural world through hands-on, laboratory investigations and observations as well as use field work to study both human-made and natural environmental problems in the local ecosystem. This course will provide students the opportunity to study science in a setting that is interdisciplinary, embraces a wide variety of topics with a unifying theme and ultimately assists them to develop the scientific practices and reasoning skills necessary to be successful in a college level science course. (as adapted from the College Board course description)*

**Prerequisite(s):** Grade of “85” or above in the previous year’s science course; and teacher’s recommendation.

**0335 - Pharmaceuticals Science – 5 credits****Grade(s): 10, 11, 12**

*Ever wonder, “How do pharmaceuticals impact my body?” This course answers that question! Students will learn how science applies to a diverse set of everyday situations including: common diseases and disorder, how common “over the counter” and prescription medicines work and how to choose which one is appropriate, interpreting a blood work report, reading nutrition labels, and the science behind staying “fit”.*

**Prerequisite(s):** None

**0336 - Astronomy and Meteorology – 5 credits****Grade(s): 10, 11, 12**

*This course will explore our universe along with its components and origin as well as the science of weather. We will discover the science behind everyday weather along with catastrophic events. This course will include local astronomy as well as our vast universe.*

**Prerequisite(s):** None

**0337 - History and Philosophy of Science – 5 credits****Grade(s): 11, 12**

*From its inception, one of the principal goals of science education has been to cultivate students’ scientific habits of mind, develop their capability to engage in scientific inquiry, and teach them how to reason in a scientific context. This course explores how a set of practices has emerged from the work of historians and philosophers over centuries. Emphasis will be on the importance of natural observable phenomenon and evidence-based reasoning. Through readings, online discussion, debates, and defense papers, students will explore what qualifies as science, the use of inquiry and development of theories, and applications of science to inform decision-making and ethical questions will also be considered. Students will develop a deeper understanding of the concepts and purposes of science.*

**Prerequisite(s):** None

**SOCIAL SCIENCES**

<b>COURSE</b>	<b>GRADE(S)</b>	<b>CREDITS</b>
US History I (CP)	9	5
Humanities/Honors US History I	9	5
US History II (CP)	10	5
Humanities/Honors US History II	10	5
AP US History	11-12	10
World History	11-12	5
Honors World History	11-12	5
AP World History	11-12	10
Current Issues & News	10-12	5

Introduction to Criminal Justice – RCBC Course	10-12	5
Introduction to African American Studies	11-12	5
Model Congress (S-1)	9-12	2.5
Practical Application of the Law (Street Law) (S-1)	9-12	2.5
Psychology I 0 Introduction to Psychology	10-12	5
AP Psychology	10-12	10
Sociology	10-12	5
AP US Government & Politics	10-12	10

**0403 –US HISTORY I (CP) – 5 credits**

**Grade(s) 9**

The content of this course will cover Reconstruction through the end of World War II and the beginning of the Cold War, and will be taught using a chronological and thematic approach.

**0417 - HUMANITIES/HONORS ENGLISH I & US HISTORY I – 5 credits each**

**Grade(s) 9**

These courses prepare students who may eventually want to elect AP English or History.

**NOTE: Students must be recommended for both Humanities English and Humanities US History I.** The Humanities classes correlate American Literature with American History and run two periods. They count as the freshman requirement for US History I, and English I. Students choosing the Humanities program should be able to:

- Read, analyze, and interpret material independently
- Organize ideas for oral presentations before the class
- Demonstrate a competent vocabulary and proficient writing skills
- Synthesize facts and data for class activities (essays, research papers, etc.)
- Express ideas with clarity and logic
- Exhibit the initiative to seek relevant information for in-depth understanding
- Follow instructions and complete assignments thoroughly and on time

**Prerequisite(s):** Grade of “90” or above in 8<sup>th</sup> Grade Language Arts and Social Studies; and teacher’s recommendation.

**0405 –US HISTORY II (CP) – 5 credits**

**Grade(s) 10**

The content of this course will cover the 1930's to the present and will be taught using a chronological and thematic approach. The theme for U.S. History II will be the "Individual and Society: the Struggle for Civil Rights."

**0422 - HUMANITIES/HONORS ENGLISH II & US HISTORY II – 5 credits each**

**Grade(s) 10**

Humanities II is the next level of the Honors English and History courses. This course is a prerequisite for the AP History and English courses taught at the 11th and 12th grade(s). Students will be expected to do all the above listed points in Humanities I and in addition, analyze primary and secondary sources; construct logical arguments both verbally and written; and apply content to current issues. Humanities II will correlate literature to US History II. This course will meet two periods daily and will satisfy the sophomore requirement for US History II (Honors) and English II (Honors).

**Prerequisite(s):** Grade of “90” or above in CP History I, grade “85” or above in Humanities I or approval of the History I instructor.

**0416 – AP US HISTORY – 10 credits**

**Grade(s) 11, 12**

The AP program in US History is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in American history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those of full-year introductory college courses. Students will learn to access historical materials - their relevance to a given interpretive problem, their reliability, and their historical scholarship. An AP US History course should thus develop the skills necessary to give conclusions on the basis of an informed judgment and to present ideas clearly and persuasively in essay format. The College Board has adopted a new curriculum that went into effect during the 2014-15 school year. This new curriculum changes the format of how the course is taught and the AP examination by having a stronger influence on themes and the analysis of primary and secondary sources connected to the study of American history. The opportunity to obtain college credit is available through the AP examination given in May. All students enrolled in this course are encouraged to take the AP exam.

**Prerequisite(s):** Grade of “90” or above in CP US History II, grade “90” or above in Humanities US History II or teacher’s recommendation.

**0432 – WORLD HISTORY – 5 credits**

**Grade(s) 11, 12**

World History is an historical approach to the study of world civilization and societies. This course is designed to provide a general overview of historical events, beginning with the creation of primitive civilizations through the events of the modern era. Included within the study are the rise of nations and the nation-states, comparative religions, western and eastern philosophies, and the effects of imperialism on Africa and Asia to name a few. Course content will include a study of the Holocaust.

**0421 - HONORS WORLD HISTORY – 5 credits****Grade(s) 11, 12**

The Honors Courses are designed to give students the opportunity to develop their potential by fostering their individual talents in the areas of critical thinking, problem-solving, and communications skills. These classes are designed to prepare the student for AP coursework.

**Prerequisite(s)** Grade of “90” or above in CP History, grade of “85” or above in Humanities History **or** a present social science teacher’s recommendation.

Students who choose this challenging honors curricula will be required to fulfill specific criteria to remain enrolled. The courses will be taught from a student centered thematic approach with each grade level addressing a different theme, based on the course content.

The proficiencies for the courses include:

- A minimum of three position papers
- One research paper with a critical analysis (problem/solution, cause/effect)
- Oral recitations (debate, report, non-fiction writing, panel discussions, speeches)
- Ethics journal
- Cooperative learning project employing creativity and higher order thinking skills
- Novel
- Drama

**0423 – AP WORLD HISTORY – 10 credits****Grade(s) 11, 12**

The AP Program in World History is designed to develop greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparison among major societies. The opportunity to obtain college credit is available through the AP examination given in May. Students are encouraged to take the AP exam.

**Prerequisite(s):** Grade of “95” or above in CP US History II, grade “90” or above in Humanities US History II or teacher’s recommendation.

**0443 – CURRENT ISSUES & NEWS – 5 credits****Grade(s) 10, 11, 12**

Are you living in CIN? Find out in Current Issues and News! CIN is the latest in providing information to BTHS students. From presidential elections to the latest epidemics, Current Issues and News has you covered. CIN focuses on skills in technology, information research, public speaking, and journalism. Students will learn how edit videos, research information and report news as well as learn the power that comes from being informed. Students will apply the skills and knowledge they have learned by creating news production pieces that will viewed by the students and staff of BTHS.

**0450 – RCBC COURSE: INTRODUCTION TO CRIMINAL JUSTICE – 5 credits to BTHS + 3 credits to RCBC****Grade(s) 10, 11, 12**

The course is an introduction to the philosophy and development of the system of dealing with social deviancy through criminal justice. It focuses on the concepts, agencies, and institutions involved in the administration of criminal justice. Please note that this is a tuition course! (2017-18 RCBC tuition rate - \$433.50)

**0425 – INTRODUCTION TO AFRICAN AMERICAN STUDIES – 5 credits****Grade(s) 11, 12**

African America is a “multi”-level elective that celebrates the African American experience. Students of all backgrounds will explore the history, culture and pride of African America.

**0430 – MODEL CONGRESS (S-1) (Companion Course: Practical Application of the Law) – 2.5 credits****Grade(s) 9, 10, 11, 12**

Model Congress is a 2.5 credit course that concentrates on the legislative process of government. It focuses on learning how to write research and debate legislation that the student prepares. Public speaking, Robert’s Rules of Parliamentary Procedure and proper debating skills will be emphasized.

**0431 – PRACTICAL APPLICATION OF THE LAW (S-1) (Companion Course: Model Congress) – 2.5 credits**

**Grade(s) 9, 10, 11, 12**

Practical Application of the Law is a 2.5 credit course that focuses on the Civil and Criminal process in everyday life. It will teach the student how an arrest and trial takes place with the performance of mock arrests, arraignments, and trial procedures. The student will learn to act as lawyers, police officers, defendants, plaintiffs, and witnesses.

**0427 – PSYCHOLOGY I – INTRODUCTION TO PSYCHOLOGY – 5 credits****Grade(s) 10, 11, 12**

This introductory course covers the major principles of psychology. Topics include: The history of psychology, biological foundations in behavior, sensation and perception, basic principles of learning, memory, language, intelligence, motivation, emotion, personality, and social behavior.

**0439 – AP PSYCHOLOGY – 10 credits****Grade(s) 10, 11, 12**

The purpose of the AP course in Psychology is to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They will also learn about the methods psychologists use in their science and practice.

**Prerequisite(s):** Grade of “85” or above in Humanities I or II, and grade of “80” or above in Biology or current history/science teacher’s recommendation.

**NOTE: There is a strong emphasis on the biological aspect and science of psychology.**

**0433 – SOCIOLOGY – 5 credits****Grade(s) 10, 11, 12**

Sociology deals primarily with the organization of society. Processes which make for changes are considered, as well as those that make for stability. Basic concepts used in the interpretation of social environment are defined. Included in the course are the following concepts: the importance of status and role, population with the resulting social stratification, and social institutions.

**0442 – AP US GOVERNMENT & POLITICS – 10 credits****Grade(s) 10, 11, 12**

Students successfully completing this course will know important facts, concepts, and theories pertaining to U.S. government and politics, understand typical patterns of political processes and behavior and their consequences (including the components of political behavior, the principles used to explain or justify various government structures and procedures, and the political effects of these structures and procedures). They will be able to analyze and interpret basic data relevant to U.S. government and politics (including data presented in charts, tables, and other formats) as well as be able to critically analyze relevant theories and concepts, apply them appropriately, and develop their connections across the curriculum. Economics is the 2/5 credit companion course.

**Prerequisite(s):** Grade “90” or above in History I, grade “85” or above in History II, or current history teacher’s recommendation.

## SPECIAL EDUCATION

The Special Education Department offers a comprehensive selection of courses. Individual student needs and abilities are emphasized through the development of an Individual Education Plan (IEP). Special education teachers use a variety of behavioral management and instructional techniques to support responsible, appropriate behavior and pupil achievement.

The Department fosters the development of skills in Math, Science, English, Social Science, and vocational education (Community & Career Advancement Program (CCAP)/Community Based Instruction (CBI)/Transition Program). Annual goals and objectives in the IEP parallel regular education core curricula proficiency requirements.

Special education students follow the prescribed regular education curriculum content with adaptations and modifications as required in their IEPs. Students are expected to complete all course requirements as prescribed by the State Board of Education and the Burlington Township Board of Education. A work-study program is available through the Business and Life Skills Department for junior and senior **students (CAREER TECHNICAL EDUCATION C.T.E. )**. Resource center programs provide small group replacement/supplemental instruction and/or regular in-class support.

Small Group courses may be scheduled, depending on need, in physical education, art, and music and information technology. Special education students may also be enrolled in regular courses as specified in the IEP. Discipline for special education student considers the emotional needs of the child and all educational disabilities. Pupil progress is routinely shared with the Child Study Team case manager(s), teachers, administrators and parents. Special education students will be administered the Partnership for Assessment of Readiness for College and Careers (PARCC) and the New Jersey Student Learning Assessment-Science (NJSLA-S), unless exempted per their IEP.

## ENGLISH AS A SECOND LANGUAGE

In Burlington Township, the teaching of English as a Second Language (ESL) incorporates the four skills of language learning: listening; speaking; reading; and writing. Each skill is developed systematically as the student progresses through the stages of language acquisition. These four skills should not be taught in isolation, but rather as part of a comprehensive curriculum. Learning about American culture is also an important aspect of the total education of the ESL student. As students acquire English language skills and familiarize themselves with American culture, they will become more productive members of society.

This ESL program has been designed to encourage the students to develop the desire to learn the English language and to aid them in making the transition and adjustment as rapidly and smoothly as possible in order to mainstream them into the academic and social aspects of the school environment. Our philosophy is to provide a warm, nurturing, low-anxiety environment, in which students will feel empowered to take risks and realize their potential.

## TECHNOLOGY EDUCATION

<b><i>COURSE</i></b>	<b><i>GRADE(S)</i></b>	<b><i>CREDITS</i></b>
CAD	9-12	5
Introduction to Electronics	10-12	5
Television/Media Production I	10-12	5
<i>Television/Media Production II</i>	<i>10-12</i>	<i>5</i>

### **0615 - CAD – 5 credits**

#### **Grade(s) 9, 10, 11, 12**

This course is highly recommended for students who are interested in Architecture and Engineering. Students will develop an in-depth knowledge and workings in the industry leader software package, AutoCAD 2000 by completing design activities that integrate problem-solving skills and AutoCAD commands.

### **0606 – INTRODUCTION TO ELECTRONICS – 5 credits**

#### **Grade(s) 10, 11, 12**

This course explores the fields of electronics and computers for those who have no experience in these fields. It includes circuit components, Ohm’s Law, basic DC and AC circuits, an introduction to power supplies, transistor and integrated circuit amplifiers, and opto-electronic communications. Laboratory experiments cover these topics and verify lecture theory. The laboratory also introduces measurement techniques using a multimeter, function generator, oscilloscope, and computer simulation using circuit analysis software. Please note that this is a tuition course! (2017-18 RCBC tuition rate - \$433.50)

**Prerequisite(s):** Algebra I

### **0617 – TELEVISION/MEDIA PRODUCTION I – 5 credits**

#### **Grade(s) 10, 11, 12**

TV/Media Production is an introductory course for students interested in careers in TV, video, news and entertainment programming. Students will be given the opportunity to experience hands on operation of professional TV and Video production equipment. They will demonstrate teamwork as crew members for in studio and on location audio and video projects. The individual and cooperative learning projects will utilize reading, writing, digital editing, oral and dramatic presentation skills. Students interested in performing in front of the camera, and/or behind it will apply problem solving skills to create and produce original programming.

### **0618 – TELEVISION/MEDIA PRODUCTION II – 5 credits**

#### **Grade(s) 10, 11, 12**

*TV/Media Production 2 offers advanced level instruction for students interested in careers in Television Broadcasting. Students will experience hands on operation of professional multi-camera TV and field production equipment, boom and wireless microphones, a Tricaster video switcher, and Final Cut Pro Editing Software. Assignments may include opportunities to produce, direct and host BTHS News, Sports, & Entertainment shows and Provide Coverage of School Events.*



## VISUAL ARTS

<b>COURSE</b>	<b>GRADE(S)</b>	<b>CREDITS</b>
Advanced Tile & Mosaics	10-12	5
Art I	9-12	5
Art II	10-12	5
Art III	10-12	5
Ceramics I	10-12	5
Ceramics II	10-12	5
Ceramics III	11-12	5
Decorative/Functional Crafts	9-12	2.5
Digital Photography I	10-12	5
Digital Photography II	11-12	5
Fashion Illustration	10-12	5
Graphic Design I - Adobe Photoshop	9*-12	5
Graphic Design II- Adobe Illustrator	9*-12	5
Graphic Design III In Design/Yearbook, IV & IS	10-12	5
<i>Corporate Graphic Design</i>	10-12	5
Printmaking/Sculpture	9-12	2.5

**0776 – ADVANCED TILE & MOSAICS – 5 credits**

**Grade(s) 10, 11, 12**

This course will focus on advanced tile making and mosaics. Students will design, fabricate and install murals made of mosaic and ceramic materials. Students will use found object as well as handmade tiles for their designs. An emphasis will be placed on creative problem solving, technique and composition.

**Prerequisite(s):** Ceramics I, Ceramics II and approval of the instructor

**0750 - ART I – 5 credits**

**Grade(s) 9, 10, 11, 12**

This course will familiarize our students with drawing and painting, using mixed media in primary and 2-D format. This course will introduce our students to a number of paths they could follow in the Visual Arts Department.

**0774 - ART II – 5 credits**

**Grade(s) 10, 11, 12**

This course provides essential concepts and skills necessary to function as a graphic designer or fine artist. Strong emphasis is placed on how to apply the elements of art and to accomplish an artistic goal. Color and design are the major emphasis in this course.

**Prerequisite(s):** Art I

**0771 - ART III – 5 credits**

**Grade(s) 10, 11, 12**

This course would give students the opportunity to explore in depth a wide variety of media and methods. Students would also be trained in portfolio prep and presentation for professional or personal use.

**Prerequisite(s):** Art I, Ceramics I **OR** Graphic Design Adobe Photoshop **and** approval of instructor

**0757 – CERAMICS I - 5 credits**

**Grade(s) 10, 11, 12**

Students will be introduced to the elements of clay, design, and fired finishes. They will learn various techniques in hand building ceramic pieces such as the pinch, coil and slab methods. They will receive a brief introduction to the wheel. Students will explore the elements and principles of design as they are combined to produce functional and non-functional objects.

**0756 – CERAMICS II – 5 credits**

**Grade(s) 10, 11, 12**

This class is an advanced presentation of clay techniques with sculpture techniques making up a large portion of the course. Students would also learn throwing on the wheel, and gain more advanced information on glazes and glazing techniques. Students will use simple and advanced art techniques that they have previously learned in Ceramics I as well as a continued study of ceramics history and alternative firing methods.

**Prerequisite(s):** Ceramics I

**0773 – CERAMICS III – 5 credits**

**Grade(s) 11, 12**

This is an advanced course in hand building and wheel throwing. At this level, the emphasis is on consistency of results, enabling the student to design and throw multiples and sets. The projects required reflect this emphasis on mastery of consistent throwing. Additionally, students will seek to improve design skills, surface decoration, and development of an extended glaze palette through increased testing of glazes. There will be an emphasis on Raku ware and glaze firing.

**Prerequisite(s):** Ceramics I & II

**0779 - DECORATIVE/FUNCTIONAL CRAFTS (Companion Course: Printmaking/Sculpture) – 2.5 credits**

**Grade(s) 9, 10, 11, 12**

An investigation into the creative use of materials, tools and techniques that is necessary to express an idea through art, which can be used, worn or displayed.

**0766 - DIGITAL PHOTOGRAPHY I – 5 credits**

**Grade(s) 10, 11, 12**

This course will introduce students to Digital Photography through picture taking as an art form as well as a means of expressing their personal vision. Students will become familiar with the mechanics and workings of a digital camera through hands-on experiences. They will demonstrate the ability to download images to a computer and manipulate images using Adobe Photoshop. This course will help student understand the role digital photography can play in areas such as fine art, photojournalism, documentation, illustration and graphic design. A minimum of 36 pictures is required for each lesson.

**Prerequisite(s):** Graphic Design I - Adobe Photoshop

**0786 - DIGITAL PHOTOGRAPHY II – 5 credits**

**Grade(s) 11, 12**

This course is designed for students who have a serious interest in the art of photography. Students will learn a variety of concepts, techniques, and approaches designed to help them demonstrate their abilities as well as their versatility, problem solving, and creativity. Students will participate in research, art journals, class critiques, individual critiques, and artistic dialogues. Work is expected to be of high quality in thought, process, and product. Development of an individualized portfolio that demonstrates a depth of investigation and process of discovery is a course requirement.

**Prerequisite(s):** Successful completion of Digital Photography I (formerly Digital Imaging) and recommendation of the instructor.

**0781 - FASHION ILLUSTRATION – 5 credits**

**Grade(s) 10, 11, 12**

This course will give students the opportunity to look at the history of fashion and how it has been influenced. They will learn to design fabric and fashion pieces, and illustrate them to the viewer using a variety of techniques.

**0768 - GRAPHIC DESIGN I - ADOBE PHOTOSHOP – 5 credits**

**Grade(s) 9\*, 10, 11, 12**

Students will develop a basic knowledge and understanding of the graphic arts field, its processes and procedures, as well as the production of computer generated images and designs. Adobe Photoshop will be the graphics program used and students will experience, image manipulation, typography, painting and illustration in connection with posters, brochures, book covers, CD covers etc. We will also apply some of our designs to tangible items.

**NOTE:** 9<sup>th</sup> Grade students may take this course only with the approval of their 8<sup>th</sup> grade computer teacher.

**0780 - GRAPHIC DESIGN II - ADOBE ILLUSTRATOR – 5 credits**

**Grade(s) 9\*, 10, 11, 12**

This course will be for students who want to continue their education in Graphic Design. Students will explore Adobe Illustrator by learning how applications of this technology program are used to communicate visual ideas. This course will enable students to further develop their imaginations, artistic sensibility, perceptions, emotions and thoughts through concepts discussed in class. Students will be educated in corporate identity and art terminology.

**Prerequisite(s):** Graphic Design- Adobe Photoshop

**NOTE:** 9<sup>th</sup> Grade students may take this course if they completed Adobe Photoshop in Semester 1

**0021/0042/0043 – GRAPHIC DESIGN III INDESIGN/YEARBOOK/ IV & IS – credits**

**Grade(s) 10, 11, 12**

This course is designed for the student who is interested in learning the entire process of desktop publishing by working as a team player to create a 230-page high school yearbook from beginning to end. Students will have an opportunity to write headlines, short stories, captions and copy to enhance graphic and photographic elements. They will also be creating headlines, sub headlines, background and graphic elements, edit photographs and layout pages. Students will also be involved in preparing interviews, quotes, proof reading, taking surveys, polling and meeting deadlines. Students will create the yearbook using Adobe InDesign. This is not a freshmen course.

**Prerequisite(s):** Graphic Design I Adobe Photoshop **and must have prior approval of the Yearbook Advisor.**

**0787 - CORPORATE GRAPHIC DESIGN – 5 credits**

**Grade(s) 10, 11, 12**

*This course is designed for the student who wants to pursue a career in Communications/Public Relations/Marketing, Graphic Design or just to further their knowledge of desktop publishing for personal use. This course is unlike our Graphic Design Photoshop and Illustrator courses in that Corporate Graphic Design is not taught as a fine arts course but rather a how to create slick literature for companies, clients and school presentations.*

*Adobe InDesign CC, which is the industry standard program, will be used as the tool for this course where students will learn all aspects of creating Newsletters, Brochures, Flyers, Letterheads, Posters, Banners, Office Forms, Calendars, Magazine Covers, CD Labels and Covers. This includes setting up layouts according to specific instructions, choosing font types, gathering information, choosing photographs, use of color for target markets, how to send information to the print shop, the printing process and much more.*

**Prerequisite(s):** Adobe Photoshop- **9<sup>th</sup> Grade students may take this course if they completed Photoshop in Semester 1**

**0775 - PRINTMAKING/SCULPTURE (Companion Course: Decorative/Functional Crafts) – 2.5 credits**

**Grade(s) 9, 10, 11, 12**

This course will explore printmaking as an artistic medium (wood cuts, lino cuts and etching) through hands-on experience and the vast possibilities of three-dimensional sculptures using a variety of materials.

## WORLD LANGUAGES

<b>COURSE</b>	<b>GRADE(S)</b>	<b>CREDITS</b>
Spanish/French/German Level I	9-12	5
Spanish/French/German Level II	9-12	5
Honors Spanish/French/German Level II	9-12	5
Spanish/French/German Level III	9-12	5
Spanish/French/ German Level IV	10-12	5
Introduction to Spanish	9-12	5
AP Spanish Language & Culture	11-12	10
AP Spanish Literature	11-12	5
Spanish for Heritage Learners I	9-12	5
Spanish for Heritage Learners II	10-12	5
AP French Language & Culture	11-12	10
AP German Language & Culture	11-12	10

American Sign Language	10-12	5
Language Lab	10-12	2.5

**0204/0209/0211 - SPANISH/FRENCH/GERMAN LEVEL I – 5 credits**

**Grade(s) 9, 10, 11, 12**

This level is designed to introduce the development of the four communication skills - listening, speaking, reading and writing. Basic grammatical structures are thematically linked and introduced with the goal of communicative competency. Thematic, contextualized vocabulary is used as the basis for real-life conversations. Vocabulary is recycled and reviewed as students move at a progressive pace. Culture and history are taught as an integral part of the course. Texts include both oral and written practice and are rich in reading selections.

**0205/0200/0212 - SPANISH/FRENCH/GERMAN LEVEL II – 5 credits**

**Grade(s) 9, 10, 11, 12**

Level II is a continuation of the language instruction begun in Level I, and Level I topics will recur from time to time. Students will be able to address these topics on a more sophisticated level as their command of vocabulary and structure grows in this second semester of foreign language study. The primary goal of the course is communication, which includes the four skill areas of listening, speaking, reading and writing. Students also continue to build on the linguistic and cultural foundations laid in Level I.

**Prerequisite(s):** Successful completion of Level I.

**0231/0228/0230 - HONORS SPANISH/FRENCH/GERMAN LEVEL II – 5 credits**

**Grade(s) 9, 10, 11, 12**

This level is a continuation of Level I. The curriculum is the same as regular Level II with an increased emphasis on oral communication in the target language (French, Spanish, or German) The course will also include a more detailed study of grammatical structures than the regular Level II. **Any student intending to advance to level III or higher is strongly encouraged to enroll in this weighted class instead of the regular level two.**

**Prerequisite(s):** Grade of “85” or above in Level I.

**0206/0201/0213 - SPANISH/FRENCH/GERMAN LEVEL III – 5 credits**

**Grade(s) 9, 10, 11, 12**

The work in Spanish/French/German Level III is an intensified continuation of Spanish/French/German Level II. Speaking includes sustained talk as well as "give and take" within a group. Students read adapted and/or abridged selections from contemporary writers - fiction, non-fiction, poetry and periodicals. Writing is accomplished through dictation, drills, and controlled paragraph construction. The presentation of basic grammar is completed, and intermediate grammar is introduced in Level III. Different aspects of Spanish/French/German culture and history continue to be presented.

**NOTE: that at this level the target language (French, Spanish or German) will be the primary language of instruction. Use of English will be minimal at Level III.**

**Prerequisite(s):** Grade of “85” or above on the final exam and final grade in Level II; and teacher’s recommendation.

**0207/0202/0216 - SPANISH/FRENCH/GERMAN LEVEL IV – 5 credits**

**Grade(s) 10, 11, 12**

Level four is designed for the students who wish to pursue the skills of listening, speaking, reading, and writing on a more advanced level. These skills will be intensified through conversation and composition, with some grammar review. Students will read material prepared for native speakers of target language. Emphasis will be placed on culture and history of the speakers of the language.

**Prerequisite(s):** Grade of “85” or above in Level III

**0225 - INTRODUCTION TO SPANISH – 5 credits**

**Grade(s) 9, 10, 11, 12**

This one semester course is designed for students with no prior experience studying a foreign language. Focus will be on familiarizing students with the geography and cultures of the nineteen countries of the Spanish-speaking world, as well as the pronunciation, vocabulary, and basic structures of Spanish communication. Students successfully completing this course will be prepared to continue to level one of Spanish language study.

**NOTE: Students who previously complete Spanish Level I (even if they did not pass the class) are not eligible for Introduction to Spanish.**

**0210 - AP SPANISH LANGUAGE & CULTURE – 10 credits**

**Grade(s) 11, 12**

AP Spanish Language and Culture will prepare students to read, write, speak, and understand Spanish at a level that will permit them to use their skills successfully in a Spanish-speaking country. The AP Spanish Language and Culture course is the equivalent of a third year college course in advanced Spanish writing and conversation. It encompasses aural/oral skills, reading comprehension, grammar, and composition. The opportunity to obtain college credit is available through the RCBC CAP program and AP examinations given in May. Students who take this course are encouraged to take the AP exam.

**Prerequisite(s):** Completion of Spanish IV or Spanish for Heritage Learners II with a grade of “90” or above and teacher’s recommendation.

**0222 - AP SPANISH LITERATURE – 5 credits**

**Grade(s) 11, 12**

The AP Spanish Literature course will prepare students to read, discuss and analyze poetry, prose and drama at a level that will prepare them for more advanced study of language and literature in college. AP Spanish Literature is a survey course that is equivalent to a third year college introduction to Hispanic Literature. The course will be conducted entirely in Spanish.

Students who perform at a satisfactory level in the AP Examination in Spanish may receive college credit.

**Prerequisite(s):** Grade of “80” or above in AP Spanish Language & Culture.

**0220 - SPANISH FOR HERITAGE LEARNERS LEVELS I – 5 credits**

**Grade(s) 9**

This course is designed to provide students of Hispanic heritage who have been exposed to spoken Spanish in the home with the opportunity to improve their reading and writing skills, as well as to learn more about their culture and heritage. This course will include reading selections from Spanish and Latin American literature in addition to an advanced study of Spanish grammar. Spanish will be used as the language of instruction in this class. Teacher’s recommendation is required and placement will be determined by a score of 50-74 on the placement test.

**NOTE:** Students enrolling in this class have the option to earn an additional 5 credits by examination by choosing to take regular Spanish One final exam before starting this class.

**0221 - SPANISH FOR HERITAGE LEARNERS LEVELS II – 5 credits**

**Grade(s) 10, 11, 12**

Level II continues the reading, writing, and grammar study begun in Level I. Students who complete this course with an “80” or above are eligible and encouraged to enroll in AP Spanish. This course will run concurrently with Level I.

**Prerequisite(s):** “85” or above in Spanish for Heritage Learners Level I or a grade of “75” or above on the placement test.

This course is equivalent to Spanish as a Foreign Language Level IV, and is weighted as such.

**0227 - AP FRENCH LANGUAGE & CULTURE – 10 credits**

**Grade(s) 11, 12**

The AP French Language and Culture course will prepare students to read, write, speak, and understand French at a level that will permit them to use their skills successfully in a French-speaking country. The AP French Language and Culture course covers the equivalent of a third year college course in advanced French writing and conversation, including aural/oral skills, reading comprehension, grammar and composition. The opportunity to obtain college credit is available through the AP examination given in May. You are encouraged to take the AP exam if you take this course.

**Prerequisite(s):** Grade of “90” or above in French IV; and teacher’s recommendation.

**0235 – AP GERMAN LANGUAGE & CULTURE – 10 credits**

**Grade(s) 11, 12**

AP German Language and Culture course will prepare students to read, write, speak, and understand German at a level that will permit them to use their skills successfully in a German-speaking country. The AP German Language and Culture course is the equivalent of a third year college course in advanced German writing and conversation. It encompasses aural/oral skills, reading comprehension, grammar, and composition. The opportunity to obtain college credit is available through the AP examinations given in May. Students who take this course are encouraged to take the AP exam.

**Prerequisite(s):** Grade of “90” or above in German IV; and teacher’s recommendation.

**0234 – RCBC Course: AMERICAN SIGN LANGUAGE – 5 credits to BTHS + 3 credits to RCBC**

**Grade(s) 10, 11, 12**

This course introduces students to American Sign Language, visual gestural communication, and deaf culture. Students begin to develop receptive and expressive skills with an introduction to American Sign Language transcription, non-manual behaviors, topic-comment structure, sentence types, noun-verb pairs, use of space, pro-nominalization, classifiers, and temporal and distribution aspects. Please note that this is a tuition course! (2017-18 RCBC tuition rate - \$433.50)

**Prerequisite(s):** Minimum of 5 contact hours in the deaf community

**0250 – LANGAUGE LAB – 2.5 credits**

**Grade(s) 10, 11, 12**

This course allows students to explore languages that are not otherwise offered in the course catalog. Language instruction is delivered via electronic software and limited online tutoring sessions are available via the software program. This course is designed for students who can work independently and manage time effectively. 3This course counts towards elective credits but not towards mandated World Language requirement.

**Prerequisite(s):** Successful completion of 2 years of World Language in the High School.

## RCBC COURSES TAUGHT AT BTHS BY RCBC PROFESSORS

**Please note that these are a tuition courses! (2017-18 RCBC tuition rate - \$433.50)**

<i><b>COURSE</b></i>	<i><b>GRADE(S)</b></i>	<i><b>CREDITS</b></i>	<i><b>RCBC CREDITS</b></i>
American Sign Language	10-12	5	3
Intro to Criminal Justice	10-12	5	3
Intro to Electronics	10-12	5	3

### 0234 – AMERICAN SIGN LANGUAGE – 5 credits to BTHS + 3 credits to RCBC

**Grade(s) 10, 11, 12**

This course introduces students to American Sign Language, visual gestural communication, and deaf culture. Students begin to develop receptive and expressive skills with an introduction to American Sign Language transcription, non-manual behaviors, topic-comment structure, sentence types, noun-verb pairs, use of space, pronominalization, classifiers, and temporal and distribution aspects. A minimum of five contact hours in the deaf community is required.

### 0450 - INTRO TO CRIMINAL JUSTICE – 5 credits to BTHS + 3 credits to RCBC

**Grade(s) 10, 11, 12**

The course is an introduction to the philosophy and development of the system of dealing with social deviancy through criminal justice. It focuses on the concepts, agencies, and institutions involved in the administration of criminal justice.

### 0606 – INTRODUCTION TO ELECTRONICS – 5 credits to BTHS + 3 credits to RCBC

**Grade(s) 10, 11, 12**

This course explores the fields of electronics and computers for those who have no experience in these fields. It includes circuit components, Ohm’s Law, basic DC and AC circuits, an introduction to power supplies, transistor and integrated circuit amplifiers, and opto-electronic communications. Laboratory experiments cover these topics and verify lecture theory. The laboratory also introduces measurement techniques using a multimeter, function generator, oscilloscope, and computer simulation using circuit analysis software.

## 2018-2019 B.T.H.S. STUDENT COURSE LISTING

<b>ENGLISH DEPARTMENT</b>			<b>Credits</b>	<b>Page</b>	<b>SCIENCE DEPARTMENT</b>			<b>Credits</b>	<b>Page</b>
** 0031	English Composition Grade 9	5	13	** 0327	Earth & Environmental Science	5	25		
** 0034	English Composition Grade 10	5	13	*** 0328	Honors Earth & Environmental Science	5	26		
** 0001	CP English I	5	13	** 0301	Lab Biology I	5	26		
*** 0023	Humanities/ Honors English I	5	13	*** 0316	Honors Lab Biology I	5	26		
** 0003	CP English II	5	14	*** 0303	Lab Physics I – 9 (Not offered in 2018-2019)	5	26		
*** 0026	Humanities/ Honors English II	5	14	** 0302	Lab Biology II	5	26		
*** 0058	<i>AP English Language &amp; Composition</i>	10	14	**** 0307	<b>AP Biology/Cell &amp; Molecule</b>	10	26		
** 0005	CP English III	5	14	** 0333	Lab Chemistry	5	26		
*** 0006	Honors English III	5	14	*** 0304	Honors Lab Chemistry	5	26		
** 0016	Essentials of English IV (EOE) S2	2.5	15	**** 0308	<b>AP Chemistry</b>	10	27		
** 0007	CP English IV	5	15	*** 0305	Honors Lab Physics I	5	27		
*** 0030	Honors English IV	5	15	*** 0312	Lab Physics II (Not offered in 2018-2019)	5	27		
**** 0022	<b>AP English Literature &amp; Composition</b>	10	15	**** 0314	<b>AP Physics I</b>	10	27		
** 0065	Creative Writing on the Web	2.5	15	** 0332	Anatomy & Physiology	5	27		
** 0057	Elementary Literacy (Not offered in 2018-2019)	5	15	*** 0319	<b>Honors Anatomy &amp; Physiology</b>	5	27		
** 0049	Young Adult Literature on Film	2.5	15	*** 0320	Biotechnology & Forensics	5	27		
				*** 0313	Genetics	5	28		
				** 0315	Marine Biology & Oceanography	5	28		
<b>MATH DEPARTMENT</b>			<b>Credits</b>	<b>Page</b>					

** 0102	Algebra I A & B	10	17	** 0326	College & Career Ready Chem. & Phys. Sci.	5	28
** 0115	Algebra I (CP) - YR	10	17	0324	Science Lab Technician	0	28
** 0103	Algebra I (CP)	5	18	**** 0334	AP Environmental Science	10	28
*** 0104	Honors Algebra I	5	18	** 0335	Pharmaceuticals Science	5	28
** 0149	Algebra I Support Lab ( S-2)	2.5	18	** 0036	Astronomy and Meteorology	5	28
** 0105	Algebra II A & B	10	18	** 0037	History and Philosophy of Science	5	28
** 0106	Algebra II (CP)	5	18				
*** 0107	Honors Algebra II	5	18		<b>SOCIAL SCIENCE DEPARTMENT</b>	<b>Credits</b>	<b>Page</b>
** 0159	Geometry A & B	10	18	** 0403	US History I (CP)	5	29
** 0108	Geometry (CP)	5	19	*** 0417	Humanities/ Honors US History I	5	29
*** 0158	Honors Geometry	5	19	** 0405	US History II (CP)	5	29
** 0118	Essentials of Mathematics (EOM- S2)	2.5	19	*** 0422	Humanities/ Honors US History II	5	29
** 0114	Applications in Math	5	19	**** 0416	<b>AP US History</b>	<b>10</b>	<b>30</b>
** 0109	Foundations of College Math	5	19	** 0432	World History	5	30
** 0132	<b>Pre-Calculus</b>	<b>5</b>	<b>19</b>	*** 0421	Honors World History	5	30
*** 0163	<b>Honors Pre-Calculus</b>	<b>5</b>	<b>19</b>	**** 0423	<b>AP World History</b>	<b>10</b>	<b>30</b>
*** 0111	<b>Calculus</b>	<b>5</b>	<b>19</b>	** 0443	Current Issues in the News	5	30
**** 0142	<b>AP Calculus AB</b>	<b>10</b>	<b>20</b>	*** 0450	Intro to Criminal Justice (RCBC Course)	5	31
**** 0121	<b>AP Calculus BC</b>	<b>5</b>	<b>20</b>	** 0425	Intro to African American Studies	5	31
** 0133	Probability & Statistics	5	20	** 0430	Model Congress (S-1)	2.5	31
**** 0100	<b>AP Statistics</b>	<b>10</b>	<b>20</b>	** 0431	Practical Application of the Law (Street Law) S-1	2.5	31
**** 0141	AP Computer Science Principles	10	20	** 0427	Psychology I – Intro to Psychology	5	31

**VISUAL ARTS DEPARTMENT**

		<b>Credits</b>	<b>Page</b>
A, C	** 0776	Advanced Tile and Mosaics	5 33
A	** 0750	Art I	5 33
A, C	** 0774	Art II	5 33
A, C	** 0771	Art III	5 34
A	** 0757	Ceramics I	5 34
A, C	*** 0756	<b>Ceramics II</b>	<b>5 34</b>
A, C	*** 0773	Ceramics III	5 34
A	** 0779	Decorative/Functional Crafts	2.5 34
A, C	** 0766	Digital Photography I	5 34
A, C	** 0786	Digital Photography II	5 34
A, C	** 0781	Fashion Illustration	5 34
A, C	*** 0768	<b>Graphic Design I - Adobe Photoshop</b>	<b>5 34</b>
A, C	*** 0780	<b>Graphic Design II - Adobe Illustrator</b>	<b>5 35</b>
A	** 0021	Graphic Design III In Design/Yearbook	5 35
A	** 0042	Graphic Design IV In Design/Yearbook	5 35
A	** 0043	Graphic Design In Design/Yearbook IS	5 35
A, C	** 0787	Corporate Graphic Design	5 35
A	** 0775	Printmaking/Sculpture	2.5 35

**2.5 CREDIT COMPANION COURSE**

Retail Marketing > Business Law  
 Advertising > Sports & Entertainment Marketing  
 Creative Writing on the Web > Young Adult Lit on Film  
 Parenting > Human Behavior & Development  
 Music Theory I > Music Theory II  
 Model Congress > Practical Applications of the Law  
 Decorative Functional Crafts > Printmaking/ Sculpture

**WORLD LANGUAGES DEPARTMENT**

		<b>Credits</b>	<b>Page</b>
** 0204	Spanish I	5	36
** 0205	Spanish II	5	36
*** 0231	Honors Spanish II	5	36
*** 0206	Spanish III	5	36
*** 0207	<b>Spanish IV</b>	<b>5</b>	<b>37</b>
* 0225	Introduction to Spanish	5	37
**** 0210	<b>AP Spanish Language &amp; Culture</b>	<b>10</b>	<b>37</b>
**** 0222	AP Spanish Literature	5	37
*** 0220	Spanish for Heritage Learners I	5	37
*** 0221	Spanish for Heritage Learners III	5	37
** 0209	French I	5	36
** 0200	French II	5	36
*** 0228	Honors French II	5	36
*** 0201	French III	5	36
*** 0202	<b>French IV</b>	<b>5</b>	<b>37</b>
**** 0227	<b>AP French Language &amp; Culture</b>	<b>10</b>	<b>37</b>
** 0211	German I	5	36
** 0212	German II	5	36
*** 0230	Honors German II	5	36
** 0213	German III	5	36
*** 0216	German IV	5	37
**** 0235	<b>AP German Language &amp; Culture</b>	<b>10</b>	<b>38</b>
*** 0234	American Sign Language (RCBC Course)	5	38
** 0250	Language Lab	2.5	38

**BUSINESS/LIFE SKILLS DEPARTMENT**

		<b>Credits</b>	<b>Page</b>
B, C	** 0501	Accounting I	5 10
B, C	** 0502	Accounting II	5 10
B, C	** 0541	Accounting III	5 10
C	** 0505	Advanced Spreadsheet & Database Applications with Microsoft	5 10
C	** 0517	Advertising	2.5 11
C	** 0507	Business Law	2.5 11
C	* 0539	Career Technical Education (C.T.E Class)	5 11
C	0536/0538	Career Technical Education (C.T.E. Work)	10 11
C	** 0519	CISCO Internet & Cyber Security (Not offered in 2018-2019)	5 11
C	*** 0513	<b>Entrepreneurship</b>	<b>5 11</b>
C	** 0523	Gaming with Programming Languages	5 12
C	** 0511	Internet & Web Page Design	5 12
C	** 0512	Marketing	5 12
C	** 0515	Retail Marketing & Operations	2.5 12
C	** 0518	Sports & Entertainment Marketing	2.5 12

**TECHNOLOGY EDUCATION DEPARTMENT**

		<b>Credits</b>	<b>Page</b>
** 0615	CAD	5	32
*** 0606	Introduction to Electronics	5	32
** 0617	Television/Media Production I	5	33
*** 0618	Television/Media Production II	5	33

**PHYSICAL EDUCATION DEPARTMENT**

		<b>Credits</b>	<b>Page</b>
** 0800	PE I	3.75	24
** 0801	PE II	3.75	24
** 0802	PE III	3.75	24
** 0803	PE IV	3.75	24
** 0809	Health I	1.25	24
** 0810	Dr. Ed.	1.25	24
** 0811	Health III	1.25	24
** 0812	Health IV	1.25	24
** 0820	Peer Leadership – S1	5	25

B, C	** 0516	Technology & Financial Literacy	5	12	** 0805	Peer Leadership – S2	5	25
C	<b>*** 0530</b>	<b>Tomorrow’s Teachers</b>	<b>5</b>					
		<b>FAMILY AND CONSUMER SCIENCES</b>	<b>Credits</b>	<b>Page</b>		<b>LUNCH OPTIONS</b>	<b>Credits</b>	<b>Page</b>
C	** 0653	Careers with Children	5	16	0900	& 0902	Lunch	N/A
C	** 0661	Clothing Manufacturing & Production	5	16	0901	& 0903	SRE	N/A
C	** 0656	Community Issues	5	16				
C	** 0658	Culinary Arts I: Introduction to Food & Nutrition	5	16	** 0909	ESL	10	32
C	** 0659	Culinary Arts II: Chef’s Prep	5	16				
C	** 0657	Early Childhood Practicum	5	16				
C	** 0651	Human Behavior & Development	2.5	17				
C	** 0652	Parenting	2.5	17				
		<b>PERFORMING ARTS</b>	<b>Credits</b>	<b>Page</b>		<b>SPECIAL EDUCATION</b>	<b>Credits</b>	<b>Page</b>
A, C	<b>*** 0726</b>	<b>American Cinema</b>	<b>5</b>	<b>21</b>	** 0911	English I A & B	10	32
A	<b>**** 0746</b>	AP Music Theory	10	21	** 0938	English II A & B	10	32
A	** 0749	Art of Presentation & Communication (Not offered in 2018-2019)	5	21	** 0930	English III A & B	10	32
A	** 2701	Concert Band – S1	2.5	22	** 0931	English IV	5	32
A	** 4701	Concert Band – S2	2.5	22	** 0912	Math I A & B	10	32
A	** 0743	Intro to Instrumental Music-Strings	5	22	** 0939	Math II A & B	10	32
A	** 0744	Intro to Instrumental Music-Band	5	22	** 0914	Math III A & B	10	32
A, C	<b>*** 2712</b>	<b>Jazz Ensemble – S1</b>	<b>2.5</b>	<b>22</b>	** 0942	Earth & Environmental Science	5	32
A, C	<b>*** 4712</b>	<b>Jazz Ensemble – S2</b>	<b>2.5</b>	<b>22</b>	** 0917	Biology	5	32
A, C	** 0748	Music Production	5	22	** 0947	College/Career Ready Chem & Phys Science	5	32
A	** 0709	Music Theory I	2.5	22	** 0920	US History I	5	32
A	** 0710	Music Theory II	2.5	22	** 0921	US History II	5	32
A, C	<b>*** 0705</b>	<b>Musical Theater Workshop I</b>	<b>5</b>	<b>22</b>	** 0934	World History	5	32
A, C	<b>*** 0718</b>	Musical Theater Workshop II	5	22	** 0928	Small Group PE	5	32
A, C	<b>*** 0719</b>	Musical Theater Workshop III	5	22				
A	** 0734	Rhythm Workshop	5	23				
A	** 0732	Songwriting Workshop	5	23				
A	** 2721	String Orchestra – S1	2.5	23				
A	** 4721	String Orchestra – S2	2.5	23				
A, C	** 0717	Technical Theater I	5	23				
A, C	** 0742	Technical Theater II	5	23				
A, C	** 0792	Technical Theater III	5	23				
A	** 0713	Theater I	5	23				
A, C	<b>*** 0714</b>	Theater II	5	23				
A, C	<b>*** 0725</b>	<b>Theater III</b>	<b>5</b>	<b>24</b>				
A, C	<b>*** 0778</b>	<b>Theater IV</b>	<b>5</b>	<b>24</b>				
A	** 2700	Vocal Music I – S1	2.5	24				
A	** 4700	Vocal Music I – S2	2.5	24				
A, C	<b>*** 2710</b>	Vocal Music II – S1	2.5	24				
A, C	<b>*** 4710</b>	Vocal Music II – S2	2.5	24				

The following symbols indicate course weighting:

- \* Course is weighted and counts towards GPA and class rank: 100 = 4.5 on GPA scale
- \*\* Course is weighted and counts towards GPA and class rank: 100 = 5.0 on GPA scale
- \*\*\* Course is weighted and counts towards GPA and class rank: 100 = 6.0 on GPA scale
- \*\*\*\* Course is weighted and counts towards GPA and class rank: 100 = 6.5 on GPA scale

A= Course meets visual and performing art graduation requirement.  
 B= Course meets Financial, Economic, Business and Entrepreneurial Literacy  
 C= Course meets career education, consumer, family and life skills, or vocational technical education graduation requirement.

*Proposed new course for 2018-2019 (Italicized)*

## COURSES IN BOLD ARE RCBC CAP COURSES\* CLASS SCHEDULE WORKSHEET FOR 2018-2019

NAME: \_\_\_\_\_

GRADE NEXT YEAR: \_\_\_\_\_

CAREER CHOICE: \_\_\_\_\_

As you complete this, please be reminded that each student **must** successfully pass 4 years of English, 4 years of Health & Physical Education, 2 years of US History, 1 year of World History, 4 years of Math, 4 years of Science, 2 years in World Language, five (5) credits in visual and performing arts, five (5) credits in career education, consumer, family and life skills, or vocational-technical education, 2.5 credits in financial, business, and entrepreneurial literacy and 22.5 credits in approved courses of study in support of core standards, in order to meet graduation requirements. A total of **140 credits** are necessary for graduation.

**\*Check the back of this worksheet for some tips on how to complete this form**

RECOMMENDED SCHEDULE	COURSE #	CREDITS	REQUESTED CHANGE
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A. Phys Ed/Health – PE/Health or Dr. Ed		3.75/1.25	A.
B. English – CP Hum.-Honors		5	B.
C. Math - CP Honors		5	C.
D Science – CP Honors		5	D.
E. Social Sci. - CP Hum-Honors		5	E.
F. Lunch – Advisory Period   Vocal Music Concert Band   Jazz Band   String Orchestra			F.
<b>Electives:</b> G.			G.
H.			H.
I.			I.
J.			J.
K.			K.
<b>MUST SELECT FOUR (4) Alternate Courses:</b>			
1.			3.
2.			4.

**APPROVALS:**

**Student:** \_\_\_\_\_

**Parent/Guardian:** \_\_\_\_\_

**Parent’s E-mail Address:** \_\_\_\_\_

**Counselor:** \_\_\_\_\_

For the scheduling process to be effective, the involvement of parents is vital. If you would like to discuss your student’s schedule with their counselor, please contact the Counseling Office at 387-1713 and Dial 5 for the Counseling Office. Once the student course selection has been completed, changes to student schedules will be made only with a written request from the parent/guardian. No changes will be made after August 1<sup>st</sup> unless they fall within the circumstances listed on page 5 of the Course of Study.

~~~~~**PLEASE USE PENCIL ONLY WHEN MAKING SELECTIONS**~~~~~

MAKE SURE YOU REVIEW THE FULL COURSE OF STUDY ON THE HIGH SCHOOL WEBSITE WHEN YOU MAKE YOUR COURSE SELECTIONS. ARE YOU ON TARGET TO GRADUATE ON TIME AND MEET ALL REQUIREMENTS? KEEPING THAT IN MIND:

1. You will be taking Physical Education and Health/Driver's Education
2. Circle the level of English that you have been recommended for – College Prep, Honors or Humanities Honors. A supplemental English course will be added to your schedule if needed
3. Select an appropriate Math course, and circle the level for which you have been recommended. A supplemental Math course will be added to your schedule if needed
4. Select an appropriate Science Course and circle the level for which you have been recommended
5. Select an appropriate Social Science course and circle the level for which you have been recommended
6. Choose the option that coordinates with your lunch. You may choose from the following:  
Advisory, Concert Band, Vocal Music, String Orchestra or Jazz Ensemble
7. Complete a 40-credit schedule by selecting elective courses that meet your career goals. Keep in mind that in order to graduate you will need to complete the following courses:
  - 10 credits of World Language
  - 5 credits in Visual and performing arts
  - 5 credits in career education, consumer, family and life skills, or vocational technical education
  - 2.5 credits of financial, economic, business, and entrepreneurial literacy
8. If you take a 2.5 credit class, you **MUST** select its companion course. See page 39 to view the list of companion courses
9. Select 4 alternatives to your elective courses and rank them in order of preference
10. **CIRCLE** your selections in the back of the packet that you received, as a way to document your selections. Bring this information with you when you have your scheduling appointment with your counselor.