

Henry P. Becton Regional High School



Carlstadt-East Rutherford Regional School District



Program of Studies

2017 . 2018

"Excellence in Education"

HENRY P. BECTON REGIONAL HIGH SCHOOL

PROGRAM OF STUDY

Henry P. Becton Regional High School is a four year comprehensive high school which strives to meet the general and individual needs of the students and the Carlstadt and East Rutherford communities. A variety of subjects are offered in order to prepare those students who plan to continue their education beyond high school and for those students who may seek employment after high school. Through curricular offering, extra-curricular activities, counseling and special services, our school assists each student in achieving his/her goals, developing character and recognizing responsibility.

GUIDANCE PROGRAM

All staff members share the responsibility of insuring that students attain their greatest potential educationally, socially and vocationally. Working as a team, counselors, teachers, administrators, psychologists, social workers, learning disability specialists, student assistant counselors, the school nurse and parents help students achieve this goal. Counselors meet with students on an individual basis or in small groups to discuss school adjustment, career planning and personal concerns. If additional help is needed, other members of the support staff are consulted.

GUIDANCE SERVICES

Guidance services include: group and individual counseling, testing, recordkeeping, scheduling, career school and college conferences, military information, referral, listing of job opportunities, and scholarship opportunities and summer school offerings.

The following are some of the topics a student may wish to discuss with a counselor:

1. Schedule
2. Courses
3. Grades
4. Getting a Job/Choosing a Career
5. Planning for future schooling
6. Standardized Test Results
7. Crisis Issues
8. Drugs or Alcohol Problems
9. Interpersonal Relationships
10. Other personal concerns

APPOINTMENTS

Students may stop in the Guidance Office before or after school to make an appointment.

Between September and November colleges and career schools schedule group conferences to speak to the Becton seniors about what the institution offers academically and socially. Interested students must sign up in the Guidance Office and receive permission from the classroom teacher to attend these conferences.

COURSE SELECTION GUIDELINES

Henry P. Becton Regional High School offers a comprehensive program of required and elective subjects designed to meet the needs and interests of its students.

Parents should consider the needs of the students when approving a program and give consideration to teacher recommendations, the student's previous performance and the guidance counselor's suggested placement.

CAREER AND COLLEGE PLANNING

The Guidance Department is a ready source of information on school programs, financial aid, job opportunities and post-secondary programs. Serving in an advisory capacity, counselors can be helpful to both students and parents when choices of schools or careers must be made.

FOUR YEAR COLLEGE – GENERAL

Students who plan to attend college should complete academic subjects in order to meet the admission requirements for all colleges. Most college catalogs list the minimum requirements for admission. Any additional subjects will only enhance the student's chances of acceptance to the college of choice. One academic unit is granted for each full year academic course successfully completed. Colleges usually require a minimum of sixteen units for admission.

GENERAL

Students following a general program of studies may prepare for further schooling, such as a college or technical school. They may also prepare for business or commercial pursuits. By a proper selection of subjects a student may prepare for any field of interest. Students may also vary their subject selections by choosing subjects from various departments to broaden their backgrounds. For information on the college process view the Becton Regional High School College Planning Guide on the Guidance Department page at www.bectonhs.org.

Any student having an Individualized Educational Plan (IEP) developed by the Child Study Team must successfully complete the IEP program to qualify for a secondary school diploma.

REQUIREMENTS FOR PROMOTION AND GRADUATION

Students in grades 9, 10, & 11 will be enrolled in 40 credits each academic year. Students in Grade 12 must be enrolled in at least 35 credits based upon previously earned credits. Students are advised to take 5 academic and 2 elective subjects, along with physical education/health. A typical schedule for a student is as follows:

5 Academic	=	25 credits
2 Electives	=	10 credits
1 Physical Education/Health	=	5 credits
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Total	=	40 credits

Failure credits may be made up in summer schools with prior administrative approval. Annual student promotion to the next grade requires a given number of earned credits.

In order to successfully graduate from Henry P. Becton Regional High School, students in the following classes below must meet the minimum number of credits established for their graduating class.

Class of 2018=135 credits

Class of 2019 and Beyond=140 credits

IN ORDER TO SUCCESSFULLY ADVANCE TO THE NEXT GRADE LEVEL, STUDENTS IN THE FOLLOWING CLASSES MUST ACCUMULATE THE MINIMUM NUMBER OF CREDITS ESTABLISHED BELOW:

	You must have obtained a minimum of:	Credits needed to Graduate
In order for the <u>Class of 2021</u> to advance to Grade 10	25 credits	140
In order for the <u>Class of 2020</u> to advance to Grade 11	65 credits	140
In order for the <u>Class of 2019</u> to advance to Grade 12	100 credits	140
In order for the <u>Class of 2018</u> to Graduate	135 credits	135

CREDITS FROM OTHER SCHOOL DISTRICTS WILL BE ACCEPTED TOWARD GRAUADATION WITH PRIOR APPROVAL REQUESTED, IN WRITING, BY THE PARENTS AND/OR GUARDIANS AND APPROVED BY THE PRINCIPAL.

Students must select 5 academics per year, 6 academics in one year and 2 electives must have the approval from their school counselor.

Select failure credits may be made up in summer school with prior administrative approval at the expense of the parent/guardian. Few summer schools offer Physical Education credits.

Courses requiring research papers may be made up in summer school only if the paper requirement is fulfilled at Henry P. Becton Regional High School as scheduled.

Any course(s) with a final mark of 55 or less or a course(s) where a student compiled 28 or more absences may not be made up in summer school unless administratively approved.

HENRY P. BECTON REGIONAL HIGH SCHOOL CURRICULA REQUIRED SUBJECTS

The successful completion of a program of study in grades nine through twelve shall include the following state and local school district requirements:

1. At least 20 credits in language arts literacy (English 9-12)
2. At least 15 credits in mathematics, including Algebra 1, Geometry, and Algebra 2
3. At least 15 credits in science
4. At least 15 credits in social studies, including World History, US History 1 & 2
5. At least 4 credits in health, safety, and physical education during each year of enrollment
6. At least 5 credits in visual and performing arts (Practical arts courses may be used to fulfill this requirement)
7. At least 5 credits in world language
8. At least 5 credits in career education and consumer, family and Life Skills or vocational technical education
9. At least 2.5 credits in financial, economic, business and entrepreneurial literacy
10. At least 5 credits in 21st century life and careers, or career technical education
11. Electives and/or individualized student learning opportunities as determined by the high school program sufficient to total a minimum of credits for the following classes

Class of 2018=135 credits

Class of 2019 and Beyond=140 credits

12. In addition to the minimum credit requirements, all students must meet one of the statewide assessment graduation requirements as determined by the New Jersey Department of Education (NJDOE).

High School Graduation Assessment Requirements

On August 3, 2016, the State Board of Education approved updated state regulations for the high school graduation assessments requirements in both English language arts (ELA) and mathematics for the Classes of 2016 through 2021, and beyond. These new state regulations (N.J.A.C. 6A:8-5.1) became effective on September 6, 2016.

Each school year the NJDOE will determine the proficiency level needed on the assessments to meet the requirements.

Below, you will find charts containing the list of assessment requirements in both ELA and mathematics for the high school graduation Classes of 2018 through 2021.

Note: * “Eligible” is defined as a student who is enrolled in a high-school level course for which there is a PARCC test and receives a valid score. This includes all of these courses: Algebra I, Geometry, Algebra II, ELA 9, ELA 10, and ELA 11.

The Classes of 2018, and 2019 – Students graduating as members of the Classes of 2018 and 2019 can meet graduation assessment requirements through any of these three pathways: (1) Achieving passing scores on high-level PARCC assessments; (2) Achieving certain scores on alternative assessments such as the SAT, ACT, or Accuplacer; or (3) The submission by the district of a student portfolio through the Department’s portfolio appeals process. (*Special Education students whose Individualized Education Plans (IEPs) specify an alternative way to demonstrate proficiencies will continue to follow the graduation requirements set forth in their IEPs.*)

ELA and Math Assessment Requirements for the Class of 2018 and 2019

Three Pathways Available	English Language Arts (ELA)	Mathematics
First Pathway Take and Pass a PARCC Test	PARCC ELA Grade 9 \geq 750 (Level 4) or PARCC ELA Grade 10 \geq 750 (Level 4) or PARCC ELA Grade 11 \geq 725 (Level 3)	PARCC Algebra I \geq 750 (Level 4) or PARCC Geometry \geq 725 (Level 3) or PARCC Algebra II \geq 725 (Level 3)
Second Pathway Take and Pass one of the Alternative Assessments	SAT Critical Reading (taken before 3/1/16) or SAT Evidence-Based Reading and Writing Section (taken 3/1/16 or later) or SAT Reading Test (taken 3/1/16 or later) or ACT Reading or ACT PLAN Reading* or Accuplacer WritePlacer or Accuplacer WritePlacer ESL or PSAT10 Reading or PSAT/NMSQT Reading (taken before 10/1/15) or PSAT10 Reading or PSAT/NMSQT Reading (taken 10/1/15 or later) or ACT Aspire Reading* or ASVAB-AFQT Composite	SAT Math (taken before 3/1/16) or SAT Math Section (taken 3/1/16 or later) or SAT Math Test (taken 3/1/16 or later) or ACT or ACT PLAN* Math or Accuplacer Elementary Algebra or PSAT10 Math or PSAT/NMSQT Math (taken before 10/1/15) or PSAT10 Math or PSAT/NMSQT Math (taken 10/1/15 or later) or ACT Aspire Math* or ASVAB-AFQT Composite
Third Pathway Portfolio Appeals	Meet the criteria of the NJDOE Portfolio Appeal for ELA	Meet the criteria of the NJDOE Portfolio Appeal for Math

Note: * Test is no longer administered but can be used for the graduating year.

The Class of 2020 – Students in the Class of 2020 can demonstrate graduation assessment proficiency through the same three pathways as those in the Classes of 2017 through 2019, provided that students in the Class of 2020 take all PARCC assessments associated with the high-school level courses for which they were eligible* and receive valid scores, as of the September 6, 2016 effective date of the amendments were adopted by the State Board of Education.

ELA and Math Assessment Requirements for the Class of 2020

<u>Three Pathways Available</u>	<u>English Language Arts (ELA)</u>	<u>Mathematics</u>
First Pathway Take and Pass a PARCC Test	PARCC ELA Grade 9 <i>or</i> PARCC ELA Grade 10 <i>or</i> PARCC ELA Grade 11	PARCC Algebra I*** <i>or</i> PARCC Geometry <i>or</i> PARCC Algebra II
Second Pathway Take and Pass one of the Alternative Assessments <i>This Pathway is only available if a student takes all PARCC tests associated with the high-school level courses for which they were eligible and receive valid scores*</i>	SAT Reading Test <i>or</i> ACT Reading or ACT PLAN Reading** <i>or</i> Accuplacer WritePlacer <i>or</i> Accuplacer WritePlacer ESL <i>or</i> PSAT10 Reading or PSAT/NMSQT Reading <i>or</i> ACT Aspire Reading** <i>or</i> ASVAB-AFQT Composite	SAT Math Test <i>or</i> ACT or ACT PLAN Math** <i>or</i> Accuplacer Elementary Algebra <i>or</i> PSAT10 Math or PSAT/NMSQT Math <i>or</i> ACT Aspire Math** <i>or</i> ASVAB-AFQT Composite
Third Pathway Portfolio Appeals <i>This Pathway is only available if a student takes all PARCC tests associated with the high-school level courses for which they were eligible and receive valid scores*</i>	Meet the criteria of the NJDOE Portfolio Appeal for ELA	Meet the criteria of the NJDOE Portfolio Appeal for Math

*Note: * "Eligible" is defined as a student who is enrolled in a high-school level course for which there is a PARCC test and receives a valid score. This includes all of these courses: Algebra I, Geometry, Algebra II, ELA 9, ELA 10, and ELA 11. ** Test is no longer administered but can be used for the graduating year. *** The NJDOE is providing flexibility to meet the math assessment requirement for students in the Classes of 2020 and 2021 who completed an Algebra I course prior to the September 6, 2016 effective date of the new high school assessment regulations.*

The Class of 2021 and Beyond – Starting with the Class of 2021, students will only have two pathways to meet the high school graduation assessments requirements: (1) Pass the ELA 10 and Algebra 1 assessments; or (2) The submission by the district of a student portfolio through the Department’s portfolio appeals process, assuming the student has taken all PARCC assessments associated with the high-school level courses for which they were eligible* and receives valid scores.

2017-2018 SCHEDULE CHANGE GUIDELINES

All students will have been scheduled by mid-February. Students and parents are urged to review course requests and final schedules with great care and consideration. Once the school year begins, schedule changes will be considered only for the following reasons:

1. **Elective Changes**-A student may have had a change of heart in terms of his/her elective choice. Changes may be made if there is space in the course he/she is requesting to enter. These changes will only be allowed until September 15, 2017.
2. **Academic Misplacement**-As the school year progresses, some students may find themselves in a class that is too challenging. If the counselor, teacher and subject supervisor agree that a student is misplaced, a change will be considered, **provided space is available and the proper procedures** have been followed. Grades within a discipline will follow the student. Students will be required to make up the work missed in their new class. Misplacement most often is identified in the first four weeks of school; however, the deadline for consideration expires five days after the first progress reports are posted.
3. **Dropping a Course for a Study Hall**-A senior may do so with written parental permission. The deadline for dropping a full year or a semester course (both fall and spring) for a study expires five days after the first progress reports are posted.

NOTES:

- a) Parent permission is required for ALL changes.
- b) The following are **not valid reasons** for a schedule change:
 - a. Teacher preference
 - b. Changing a course from one period to another
- c) If a student decides to drop an elective course, he/she will not have the option to add a new elective unless it helps build the enrollment in a particular course.
- d) A year-long or semester course will not be recorded on the permanent record, provided the course is dropped by the deadlines noted above. Post-deadline drops will be entered on the permanent record as a withdrawn/failure and receive no credit.
- e) Dual enrollment courses follow different procedures dictated by the university/college. Students should consult with their counselor for more information.
- f) Appeals may be made to the department supervisor, and then to the principal,

Art Department

Basic Art

½ Year Course-2.5 Credits

Grades 9, 10, 11, 12

This half-semester course is designed to prepare students entering high school with the necessary groundwork for success in art and art-related projects. This course introduces the student to art by presenting basic two-dimensional concepts. Fundamentals of art are covered stressing the study of art elements and principles of design in various media such as drawing, painting, sculpture and gain an appreciation of the historical aspects of art.

Art Experiences

Full Year-5.0 Credits

Grades 9, 10, 11, 12

Art Experience builds on the knowledge and experience gained from completing Basic Art with more in depth exploration of aesthetic awareness, art critique, art history, and art appreciation. Through this course, students will be encouraged to explore their own individual art styles and explore media including drawing, painting, and sculpture. Students will begin to develop a vocabulary in composition and various mediums.

Art Design

Full Year-5.0 Credits

Grades 10, 11, 12

This course is recommended for all students but especially students considering or pursuing a career in visual arts, or a field of study that involves “visual thinking” (architecture, engineering, graphic design, web design, commercial design, fashion design, and interior design). This course will involve design problem-solving in both two-and-three-dimensions and the use of concept design as a visual-thinking tool.

Art History

Full Year-5.0 Credits

Grades 10, 11, 12

This course is designed for the motivated student interested in understanding and enjoying works of art. Participants learn to examine works of art intelligently and critically, and are acquainted with the major forms of Western and Non-Western artistic expression from Paleolithic to modern times. Students will learn to analyze works of art within their historical context and to articulate what they see or experience in a meaningful way. Lectures, visual aids, discussions and text will be utilized as well as trips to museums.

Cultural Arts
Grades 10, 11, 12

Full Year-5.0 Credits

In this hands-on course, students will spend the year “traveling” around the world exploring different art from various countries. Projects such as basket weaving, mask making, block printing, dream-catchers, jewelry making, string art, and many more three dimensional works of art will be produced. This course will investigate the history of these cultural works of art and build on the manipulative skills within each medium.

Digital Photography
Grades 9, 10, 11, 12

Full Year-5.0 Credits

This course is an exploration of digital photography, digital image-editing, and photographic techniques. Students will recognize and produce properly exposed, well composed photographs and apply new understandings toward digital image editing techniques to create original art using *Adobe Photoshop* and *Adobe Lightroom*. Origins and historical development of photography is also introduced in the course. Students will be able to identify works of famous pieces and recognize photographers. The school will provide access to digital cameras, memory cards, printers and printing accessories.

Career & Technology Education Department

Web Page Design 1
Grades 9, 10, 11, 12

½ Year Course-2.5 Credits

Web Page Design is a half year course to present aspects in creating and designing a web page and understanding and using the Internet. Students will be introduced to design elements that enable them to create their own web pages. In addition, students will become familiar with the basics of Web browsers and ways to search the World Wide Web for information.

Web Page Design Coding & Gaming
Grades 9, 10, 11, 12

½ Year Course-2.5 Credits

Web Design II Coding is semester elective course designed to expose students to the growing field of computer programming or coding. Students will create and run programs using basic coding concepts including loops, conditionals, functions, events, and debugging. By the end of the course, students will create interactive games and stories through learned coding concepts. Web Design II cultivates creativity, communication, problem-solving, logic, and fun and equips students with coding fundamentals to undertake additional programming courses and succeed in any 21st-century career path.

Entrepreneurship

Grades 10, 11, 12

½ Year Course-2.5 Credits

Entrepreneurship is an exciting course for any student who has ever thought about owning or starting their own business. Comprehensive business principles are explored and students will be challenged with identifying the unique, creative, and innovative talents and skills necessary to become an entrepreneur. Students will study and develop the essential organizational skills required to manage and own their own business. Utilizing computer software and hands-on learning activities students will learn how to use critical thinking, creativity, and strategizing skills, which are critical and valuable 21st century career workforce skills, to design and present special projects and business plans associated with becoming an entrepreneur.

International Business

Grades 10, 11, 12

½ Year Course-2.5 Credits

Let's think globally! International business provides students with a global perspective of economics, political structure and culture, and will open your eyes concerning globalization's impact on day-to-day living and personal finance. Cultural customs and traditions, trade, currency, business travel, geography, current events, international marketing, global issues, and career opportunities will be major topics of discussion.

This course makes students aware of the growing need for becoming active in a global business economy and provides a solid foundation for college courses in business and international studies.

Sports, Entertainment & Fashion Marketing

Grades 10, 11, 12

½ Year Course-2.5 Credits

Sports, entertainment, & fashion marketing is a semester elective course which will introduce students to the sports, entertainment and fashion industries. Various careers within sports, entertainment, and fashion will be studied including their historical significance and modern day trends within the each industry. Students will develop communication, critical thinking, and decision making skills. Special projects for each industry will be developed using real-world marketing and strategizing principles and applications. This course is recommended for any high school student and highly recommended for students interested in pursuing a career in either sports marketing, entertainment marketing, or fashion marketing.

Marketing in the 21st Century

Grade 9

½ Year Course-2.5 Credits

Marketing in the 21st Century is a semester elective course that introduces students to fundamental marketing concepts. Students will explore the marketing mix or the four "P"s of marketing (Product, Price, Place, and Promotion) and the in-depth decisions involving each component as part of a marketing plan. Specifically, the course addresses product planning, branding and packaging, marketing research, pricing strategies, channels of distribution, and

promotional concepts and strategies. Students will gain a strong sense of business situations and responsibilities through various projects including new product development, promotional campaigns, and marketing research. This course provides a thorough introduction to the world of marketing and serves as a prerequisite to other marketing and business courses.

21st Century Technology Tools

½ Year Course-2.5 Credits

21st Century Technology Tools is designed to give students the technology skills needed to succeed in high school and beyond. Students will work in various software applications including Microsoft Word, Publisher, and PowerPoint to establish and enhance word processing, desktop publishing, and presentation skills. Specifically, they will create professional, real-world documents including tables, reports, flyers, brochures, and presentations while mastering the keyboard. Upon completion of the course, students will be equipped with a solid computer skill set to meet the demands of today's technology-driven world.

Career Skills

½ Year Course-2.5 Credits

Career Skills is a half semester course designed to give students the opportunity to explore various career fields and build essential employability skills. Students will match their values, interests, and strengths to career clusters, develop career plans, and prepare job search materials including resumes and interview preparation. Using both Microsoft programs and Google products, students will create various job-related documents including business letters, memos, and spreadsheets, and will learn how to communicate effectively through professional emails and verbal communication. The course concludes with the study of the connection between a healthy lifestyle and successful career and how to make good lifestyle choices to benefit one's career.

Introduction to Business

½ Year Course-2.5 Credits

Grade 9

The goal of the course is to introduce business and the economy to our high school students. It will emphasize entrepreneurship and the economic system and will be an introduction to topics they will see in future Career & Technical Education courses they can take here at Becton Regional High School. The course will cover topics such as economy and globalization, budgeting and savings, investing, real estate and bonds, and risk management and insurance. An additional bonus with this course will be that students will now be able to fulfill their financial literacy graduation requirement as required by the New Jersey Department of Education.

English Department

English 9

Full Year-5.0 Credits

Grade 9

The Common Core Curriculum Standards for Language Arts Literacy serve as the foundation for the ninth grade English program. In English 9, emphasis is placed on the writing process and the basic skills necessary for effective oral and written communication. The student reads a variety of literary genres, including the short story, poetry, plays and the novel and learns to write for different audiences and purposes. Many opportunities are also provided to develop and improve speaking and listening skills as well as the ability to view, understand and use non-textual visual information. Preparation for the PARCC (The Partnership for Assessment of Readiness for College and Careers) is a major emphasis for this class.

English 9 CP

Full Year-5.0 Credits

Grade 9

The *Common Core Curriculum Standards for Language Arts Literacy* serves as the foundation for the ninth grade English program. The student reads a variety of literary genres, including the short story, poetry, plays, and the novel, and learns to write for different audiences and purposes. Emphasis is also placed on speaking and listening skills as well as viewing, understanding, and using non-textual visual information. Skills necessary for effective oral and written communication are taught and reinforced, and all ninth grade English students receive library/study skills instruction. Teachers employ a variety of instructional strategies and methodologies, including computer technology, to meet student needs and interests. Preparation for the PARCC (The Partnership for Assessment of Readiness for College and Careers) is a major emphasis for this class.

English 9 Honors

Full Year-5.0 Credits

Grade 9

The English 9 Honors course is dedicated to engaging advanced students in a rigorous study of genre-based literature through reading, comprehending, analyzing and interpreting classic novels, plays, short stories, and various literary selections from numerous time periods. This curriculum provides an accelerated and intensive study of these literary works and a comprehensive study of a variety of writing genres. All language arts skills are included to help the students demonstrate mastery and proficiency in writing and reading comprehension skills while meeting Common Core Curriculum standards and the PARCC criteria. The English 9 Honors course is designed to provide a learning environment in which the students will be exposed to an extensive variety of challenges to develop their talents and reach their highest potential. Preparation for the PARCC (The Partnership for Assessment of Readiness for College and Careers) is a major emphasis for this class.

English 10*Grade 10****Full Year-5.0 Credits***

In English 10, emphasis is again placed on the writing process and the basic skills necessary for effective oral and written communication. The student develops critical reading skills and learns to appreciate literature by reading prose and poetry written by some of the world's most celebrated authors. Many opportunities are also provided to develop and improve speaking and listening skills as well as the ability to view, understand, and use non-textual visual information. Preparation for the PARCC (The Partnership for Assessment of Readiness for College and Careers) is a major emphasis for this class.

English 10 CP*Grade 10****Full Year 5.0 Credits***

The student reads and analyzes the nonfiction, poetry, plays, and short stories written by some of the world's most renowned authors in this college preparatory course. Emphasis is also placed on building vocabulary, developing critical thinking and reading comprehension skills, and reviewing and reinforcing English grammar, usage, and mechanics through a variety of language arts activities. The English 10 CP student is afforded many opportunities to improve his/her writing ability in a variety of composition forms and continues to develop speaking and listening skills as well as the ability to view, understand, and use non-textual visual information. Preparation for the PARCC (The Partnership for Assessment of Readiness for College and Careers) is a major emphasis for this class.

English 10 Honors*Grade 10****Full Year-5.0 Credits***

The student selected for this accelerated course studies the achievements of acclaimed American authors, analyzing each literary work in great depth. Many opportunities are provided for the student to improve his/her critical reading skills and the ability to compose a variety of written responses for different purposes and audiences. The English 10 A student continues to develop speaking and listening skills as well as the ability to view, understand, and use non-textual visual information. Vocabulary building continues throughout the school year, and the student is required to write a research paper on a topic relating to the "American experience." Preparation for the PARCC (The Partnership for Assessment of Readiness for College and Careers), College Entrance Examinations, as well as the Advanced Placement Examination in English Literature and Composition is also a major emphasis.

English 11*Grade 11****Full Year-5.0 Credits***

The student studies the short stories, novels, dramatic works, and poetry of noted British writers in this course, thus improving reading comprehension skills and literary appreciation. The basic skills are reviewed and reinforced, and vocabulary building is emphasized throughout the school year. Stressing the "writing process," the teacher provides many opportunities for the student to write for different purposes and audiences. In addition, the student completes a short research

paper on an approved topic, a course requirement, and continues to prepare for the state graduation test. The development of speaking and listening skills as well as the ability to view, understand, and use non-textual visual information also continues in this course. Preparation for the PARCC (The Partnership for Assessment of Readiness for College and Careers) is a major emphasis for this class.

English 11 CP

Full Year-5.0 Credits

Grade 11

The student reads and analyzes selections from British and World Literature, including the works of Shakespeare, in this college preparatory course and continues to develop speaking and listening skills as well as the ability to view, understand, and use non-textual visual information. Grammar and usage are reviewed, and vocabulary building takes place throughout the school year. The “writing process” is emphasized as the student is afforded many opportunities to become proficient in a variety of composition forms. In addition, a research paper on an approved educational topic (preferably one relating to the humanities) is a course requirement. Preparation for the PARCC (The Partnership for Assessment of Readiness for College and Careers), as well as the Critical Reading & Writing SAT, is also a major concern.

English 11 Honors

Full Year-5.0 Credits

Grade 11

The student reads and analyzes in great depth selections from British and World literature in this accelerated course. Classics of the theater, British poetry, short story masterpieces, and famous novels are studied to develop literary appreciation, critical thinking, and reading comprehension skills. The student improves his/her writing skills through a variety of composition assignments and is required to write longer and more sophisticated papers, such as the essay of literary analysis and documented research papers on literary topics. Vocabulary building continues along with preparation for the PARCC (The Partnership for Assessment of Readiness for College and Careers), College Entrance Examinations, as well as the Advanced Placement Examination in English Literature and Composition.

English 12

Full Year-5.0 Credits

Grade 12

The literary focus of this course is the prose, poetry, and dramatic works written by American authors. The journalistic prose of the *New York Times* is also studied. The student continues to receive instruction in grammar and usage, mechanics, vocabulary building, and composition and is afforded many opportunities to improve speaking and listening skills as well as the ability to view, understand, and use non-textual visual information. A research paper on an approved educational topic relating to modern or contemporary life is a course requirement.

English 12 CP***Full Year-5.0 Credits***

The student in this college preparatory course reads and analyzes selected novels, short stories, plays and poetry written by American authors as well as the work of William Shakespeare. In addition to the study of the *New York Times* and library resources, instruction in English grammar and usage, mechanics, and vocabulary is included. Emphasis is again placed on the “writing process” as the student is given many opportunities to master the various composition forms. An acceptable research paper on a topic related to American Literature is a course requirement. Through a variety of learning activities, students continue to develop speaking and listening skills as well as the ability to view, understand, and use non-textual visual information.

AP English 12***Full Year-5.0 Credits***

The culmination of Becton’s accelerated English program begins at the tenth grade level. This college level course focuses on World literature and composition. Through intensive study and discussion of selected poetry, prose, and dramatic works, the student sharpens his/her awareness of language and understanding of the writer’s craft. The student’s appreciation of works by renowned authors is further increased by writing essays of literary analysis and research papers on literary topics. Whenever possible, the student is exposed to music and art relating to the literature studied. Although much of the writing relates to literature, the AP student is afforded opportunities to become proficient in other forms of composition as well. Vocabulary building enables the student to continue to develop speaking and listening skills. The New York Times is included in the course content, providing learning activities and a variety of exercises.

Supplemental Language Arts***5.0 Credits****Grades 9, 10, 11, 12*

Becton’s Supplemental Language Arts Program is designed for those students whose academic performance and test results indicate language arts deficiencies, especially those in reading and writing. An ISIP (Individual Student Improvement Plan) is developed for each identified student and various teaching methods and strategies, including computer technology, are utilized in instruction. Successful performance on the PARCC (The Partnership for Assessment of Readiness for College and Careers) is a desired outcome of the program.

English SAT/ACT Prep***½ Year Course-2.5 Credits****Grade 11*

This course is designed to help 11th grade college preparatory students raise their SAT and ACT scores. Offered in conjunction with the Math SAT/ACT Prep course. This SAT/ACT English Prep course focuses on vocabulary building and critical reading skills as well as writing and language skills. The course also incorporates test-taking strategies and techniques needed to improve scores. Students read a variety of selections in the humanities, social sciences, natural sciences and narration taken from test preparation books and workbooks. Sufficient practice is provided so that the students become comfortable with the tests, techniques and timing requires for improved performance.

Creative Writing*½ Year Course-2.5 Credits**Grades 10, 11, 12*

The creative writing course is designed to help students develop and exercise their creative thinking and writing skills. The class will be comprised mainly of poetry analysis and construction, play writing, and short story composition as well as a variety of other unique activities. Students will also learn to recognize numerous literary devices to further enhance their writing and communication skills. The course is offered to students in 10, 11 and 12 grade.

Journalism*Full Year-5.0 Credits**Grades 10, 11, 12*

This full-year elective is provided for those students who are interested in the various aspects of the field of journalism. The techniques and practices involved in newspaper production are taught and an appreciation for good news coverage in a democracy is developed. Classroom technology, including the Internet, is utilized by students to complete assignments. Journalism students are also encouraged to join the staff of the school newspaper, *The Cat's Eye View*. Students can express their creative writing talent through feature writing, editorials, and personality profiles and columns. Students who participate in this class will be involved with the production of the school's newspaper, The Cats Eye View.

Journalism II*5.0 Credits**Grades 11, 12*

Journalism II is a course that focuses on print journalism so it will help students sharpen their writing skills. Students in this course will interview subjects, research data, and compose indepth stories for the student new site on a regular basis. The class also focuses heavily on reading, analyzing and participating in class discussions based on current events. Only students previously enrolled in Journalism I or who are currently enrolled in an English Honors class will be permitted to take the course.

Mass Media & Society*Full Year-5.0 Credits**Grades 10, 11, 12*

Students enrolled in this course will learn what media is and how it functions by studying the four major mediums: print, radio, television, and internet. This course will not only expose students to the evolution of each but they will also evaluate how each affects society at large. Students will discuss and examine how the various technologies affect our culture as well as our individual lives while also producing scripts and small audio/visual projects within this field of study. Students will also have the chance to explore and consider media career options and prepare themselves for the TV/Radio Communications Course in which they can expand on and apply their skills.

Theater 1 (formerly Drama I)***Full Year-5.0 Credits****Grades 10, 11, 12*

This elective course introduces tenth, eleventh and twelfth grade students to the world of the theater. They learn the techniques of acting and directing, as well as some of the more technical aspects of play production. Exercises are given to strengthen imagination, motivation, concentration and sense recall. Students are afforded many opportunities to perform in front of their peers, both alone and in groups, and peer evaluations of performances are encouraged. Emphasis is also placed on developing an appreciation for the dramatic form of literature.

Public Speaking***Full Year-5.0 Credits****Grades 11, 12*

This course is designed to help the student improve his/her oral communication skills in a variety of speaking situations, strengthen his/her self-confidence, and gain an awareness of the essential role that communication has in his/her life and the lives of others. It provides instruction in developing good listening skills, pronunciation and enunciation, conversational techniques, preparation of a speech, group discussions, debates, interviews, and various types of public speaking situations. The student learns to speak clearly and effectively by participating in a variety of learning activities and also has the opportunity to compete on an interscholastic level.

Film & Literature***5.0 Credits****Grades 11, 12*

An analysis of films that are adapted from literary works. Analysis would begin with the reading of the literary work, then continue with the viewing of the film. As a class we would not only be examining the differences between these two mediums in their representation of the same work, but we will also be examining larger questions such as: "Is film literary?"; "Can film narrate the way text can?"; "Can film describe the way text can?" Works to study in class can range from classics such as *The Age of Innocence* (novel by Edith Wharton, film directed by Martin Scorsese) to more contemporary works such as *The da Vinci Code* (novel by Dan Brown, film directed by Ron Howard).

Contemporary Literature***½ Year Course-2.5 Credits****Grades 10, 11, 12**Prerequisite: Must have a 75 average in a regular English course*

Introduction to major contemporary cultural movements via selected authors in 20th and 21st century literature, primarily American and British, with attention to poetry, fiction, and drama.

English as a Second Language (ESL)

Grades 9, 10, 11, 12

Full Year-5.0 Credits

Reflecting the English language competencies set forth in WIDA, Becton's high intensity ESL Program is designed to provide limited English proficient students with sufficient language experiences to develop English language proficiency in listening comprehension, speaking, reading, writing, and viewing. Its goal is to prepare students to function successfully in their mainstream classes, their school community, and ultimately the world outside the school. Instruction is individualized according to each student's needs and level of proficiency, and a variety of instructional approaches and resources is utilized, including technologies as a tool for learning. Preparing students for successful performance on the state's graduation test is also a major emphasis.

Family, Consumer Science, & Culinary

Culinary I

Grades 9, 10, 11, 12

Full Year-5.0 Credits

This course is designed for students interested in the topics of food preparation and nutrition. Students will learn basic food preparation skills through practical application. Emphasis is placed on providing a variety of hands on healthy cooking experiences. The focus will be on making nutritious food choices that promote lifetime health.

Nutrition: Terminology, nutrients, digestion, calories, healthy eating/cooking, food processing(frozen, canned, dried), food guide pyramid, dietary needs, fast food and convenience food versus cooking from scratch, meal planning, careers.

Food Preparation: Terminology, equipment, safety, food safety, recipes, kitchen math, proper measuring techniques, selecting and storing foods, shopping skills, table setting and etiquette, careers.

Food Preparation Labs: Quick breads/yeast breads, skillet dishes/main dishes, soups, stews, eggs, cheese, pasta, rice, grains, fruits, vegetables, salads, healthy snacks and desserts, careers.

Culinary II

Grades 10, 11, 12

Full Year-5.0 Credits

Culinary II is an Exploration of the culture, history and geography of different countries and regions of the world in relation to food customs, ingredients and cooking methods. The regions of Europe, Asia, Latin America, Africa, the Mid-East and the Islands of the Caribbean and the Pacific will be the focus of study, with traditional dishes from each of these regions prepared in class.

Culinary III
Grades 11, 12

Full Year-5.0 Credits

The Culinary III course will meet the individual needs of students seeking a career in the Culinary field after high school as well as provide a pathway for the first certification program within Becton Regional High School. In addition, the course will meet the New Jersey Department of Education graduation requirements for practical arts, career education and consumer, family and life skills and 21st century life and careers, and/or career technical education.

Mathematics Department

Algebra 1
Grades 9, 10, 11, 12

Full Year-5.0 Credits

This course examines the basic structure of real numbers, algebraic expressions, and functions. The topics studied are linear equations, inequalities, functions and systems, quadratic equations and functions, polynomial expressions, data analysis, probability, and the elementary properties of functions. Mathematical modeling of real-life problems and problem solving are major themes of the course.

Algebra 1 CP
Grades 9, 10, 11, 12

Full Year-5.0 Credits

The properties of numbers and methods of operating with numbers form the basis of this academic course to prepare students for college. Stress is laid upon representation of numbers in general, and their relationship, by means of useful symbolism.

Algebra 2 CP
Grades 10, 11, 12
Prerequisite: Geometry

Full Year-5.0 Credits

Third level of college preparatory mathematics introduces concepts which are of great importance in higher mathematics and demonstrates how these are consequences of an extension of the basic principle of real numbers. Some topics developed are: inequalities, greatest-integer and fractional part functions, laws of exponents, prime numbers, continuous functions, roots, conic sections, exponential and logarithmic functions, and various scientific applications.

Algebra 2 Honors

Grades 10, 11

Full Year-5.0 Credits

This is the 3rd course in the accelerated series. Algebra is presented as a study of numbersystem structure. The use of extensive exercises and problem material helps the student to understand the principles involved, to gain skill in applying them, and to appreciate their usefulness. The course also includes a complete treatment of trigonometry.

Geometry

Grades 9, 10, 11, 12

Prerequisite: Algebra 1

Full Year-5.0 Credits

Major goals of this course for college-bound students are the development of an understanding of the nature of mathematical proof and the improvement of the ability to reason. An introduction of the methods of coordinate geometry is also provided.

Geometry Honors

Grades 9, 10, 11

Full Year-5.0 Credits

Major goals of this 2nd course in the accelerated series are the development of the nature of mathematical proofs and improvement in the ability to reason inductively and deductively. Transformation, coordinate geometry, geometric solids, and Non-Euclidean Geometries are studied in addition to the topics in the regular geometry course.

Pre-Calculus

Grades 11, 12

Full Year-5.0 Credits

This is an academic mathematics course for students planning to attend college. Functions, both continuous and discontinuous, as well as analytic geometry, vectors, complex numbers, and polar coordinates are studied. Among the topics to be studied are relations and functions, circular functions and their graphs, use of circular functions in area problems and the solution of triangles.

Pre-Calculus Honors

Grades 11, 12

Full Year-5.0 Credits

This course is for students who plan to take calculus or a later college-level mathematics class. It includes topics in number patterns; sequences and series; equations and inequalities; functions and their graphs, inverses, and transformation; polynomial and rational functions; complex numbers; techniques in problem solving; exponential and logarithmic functions; triangular and circular trigonometry; trigonometric graphs; trigonometric equations; trigonometric identities and applications of trigonometry; polar coordinates; and limits and continuity.

Calculus***Full Year-5.0 Credits****Grade 12*

This course will allow the student the opportunity to evaluate and interpret limits, recognize and interpret continuous functions, find the derivative of a function, use differentiation of algebraic, trigonometric, exponential and logarithmic functions, use the applications of the derivative and integral, and sketch and find the area under a curve. The student will also use the Fundamental Theorem of Calculus and its applications toward word problems.

Calculus Honors***Full Year-5.0 Credits****Grade 12*

Prerequisite: Geometry A, Algebra 2A, Advanced Math A with at least an 85 average.

This course is designed to give the college bound student a first year college Calculus course. The course is developed using the Advanced Placement Course Description booklet published by the College Entrance Examination Board.

Supplemental Math***Full Year-5.0 Credits****Grades 9, 10, 11, 12*

This course is required of all students whose performance on the PARCC or other diagnostic test indicates a need for reinforcement and support in mathematics. This course is also required for all students who do not pass the PARCC. The subject matter includes numerical operations, measurement and geometry, patterns and relationships, data analysis and fundamentals of algebra, as well as conceptual understanding, integration of mathematical knowledge, procedural knowledge, communication and reasoning, and problem solving.

AP Statistics***Full Year-5.0 Credits***

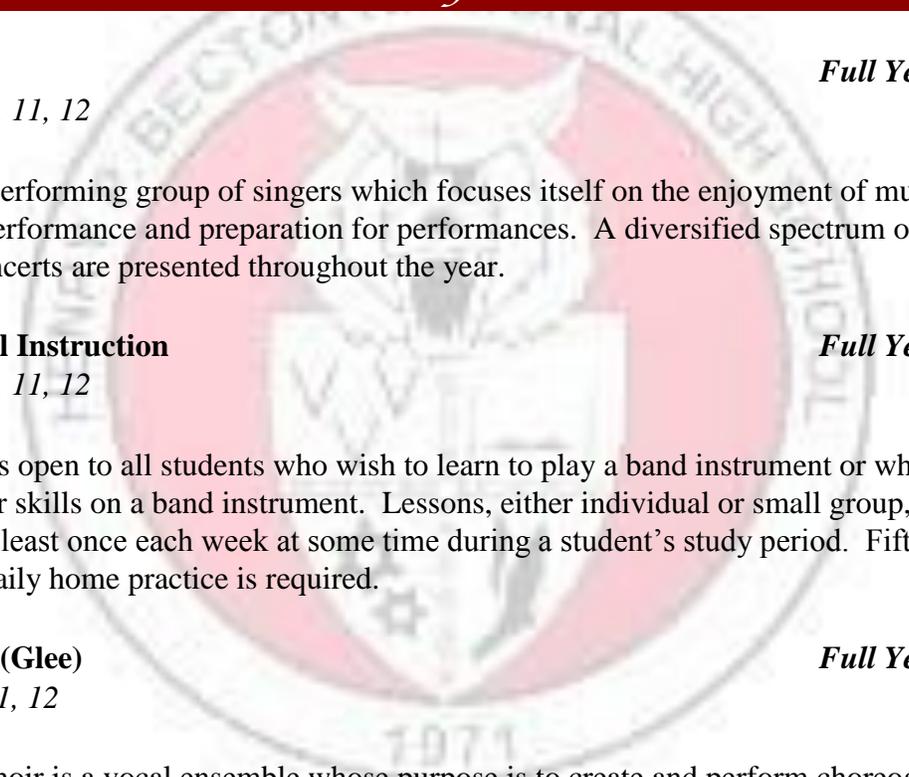
The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes:

- Exploring Data: Describing patterns and departures from patterns
- Sampling and Experimentation: Planning and conducting a study
- Anticipating Patterns: Exploring random phenomena using probability and simulation
- Statistical Inference: Estimating population parameters and testing hypotheses

Students who successfully complete the course and examination may receive credit and/or advanced placement for a one-semester introductory college statistics course.

SAT/ACT Math Prep*½ Year Course-2.5 Credits**Grade 11*

This course is designed to augment other Math courses taken by preparing the student for taking the Math section of the SAT. This course must be taken in conjunction with SAT/ACT English Prep. The SAT/ACT Math Prep reviews and reinforces mathematical content learned in other math courses, as well as test-taking strategies and techniques. Sufficient practice is provided so that the students become comfortable with the formatting and timing of the test and the techniques required for improved performance.

***Music Department*****Chorus***Full Year-5.0 Credits**Grades 9, 10, 11, 12*

Chorus is a performing group of singers which focuses itself on the enjoyment of music. It is devoted to performance and preparation for performances. A diversified spectrum of music is offered. Concerts are presented throughout the year.

Instrumental Instruction*Full Year-5.0 Credits**Grades 9, 10, 11, 12*

This course is open to all students who wish to learn to play a band instrument or who wish to improve their skills on a band instrument. Lessons, either individual or small group, will be scheduled at least once each week at some time during a student's study period. Fifteen to thirty minutes of daily home practice is required.

Show Choir (Glee)*Full Year-5.0 Credits**Grades 10, 11, 12*

The Show Choir is a vocal ensemble whose purpose is to create and perform choreographed music similar to that on the TV show Glee. Students will sing and dance to music from various genres such as Broadway and popular music. Performances include winter, spring, and district concerts, as well as pep rallies and teen arts.

Physical Education/ Health Department

Physical Education

Full Year-5.0 Credits

Grades 9, 10, 11, 12

The physical education program at Becton Regional High School is designed to develop and motivate the student's awareness of their physical abilities. Through a sequential and planned skill development program (9-12), the individual will develop efficient and effective movement, through games, skills, and dance, and realize the importance of physical fitness in terms of strength, endurance, and flexibility. The entire program is coeducational and required, but the activity selection is elective. On the freshman and sophomore levels, team and dual sports are offered. Juniors and seniors also have the option to participate in team and dual sports; however, there are more dual and individual sports to choose from in their program.

Health Education

Grades 9, 10, 11, 12

The health education program at Becton Regional High School is aimed at favorably influencing knowledge, attitudes, and practices relating to the individual, family and community. The program has been designed to take scientific facts and incorporate them into meaningful and understandable practices in order to develop habits for healthy living. In addition, preventive measures to maintain one's optimum mental and physical health are emphasized.

✓ **Personal and Community Health**

Grade 9

6 Weeks

- The 9th grade health program includes the systems of the human body, nutrition, major illnesses, smoking and substance abuse.

✓ **Driver Education**

Grade 10

30 Hours

- Classroom instruction will be offered to meet the 30 hour classroom requirement. Students' academic knowledge will be tested on the rules and regulations of driving and operating a motor vehicle.

✓ **First Aid**

Grade 11

6 Weeks

- A comprehensive First Aid course will be given to all 11th graders. The entire First Aid Manual will be covered along with CPR instruction.

✓ **Family Living**

Grade 12

6 Weeks

- The family has certain functions and purposes as a social institution in present day society which our youngsters should become aware of prior to the time that it

becomes their responsibility. By making students aware of all the implications involved in maintaining the family as a social unit, they will be able to make the necessary contributions in this respect.

Science Department

Biology

Full Year-5.0 Credits

Grade 9, 10, 11, 12

This six-credit lab course consists of an in-depth study of cellular functions, genetics, evolution, and ecology, as well as plant and animal form and function. Students will learn to use scientific equipment such as microscopes and computers. Students should note that post-secondary institutions prefer that lab science courses are taken in high school.

Biology Honors

Full Year-5.0 Credits

Grades 9, 10, 11, 12

This course is designed for college bound students intending to major in science, engineering, or any of the medical professions. This course is a recommended pre-requisite for the Advanced Placement Biology 2 course. The CP Bio 1A course consist of an in-depth study of the cell, plants, animals, biochemistry, molecular genetics and mans impact on our world. Students will be expected to conduct independent as well as team based research projects throughout the year. Extensive use of a variety of lab equipment and their safe use will supplement the program. Students in this accelerated course will be encouraged to go beyond what is done in the classroom and to become independent thinkers using the scientific method. For 9th grade selection a recommendation from an 8th grade science teacher is required.

AP Biology

Full Year -6.0 Credits

Grade 11, 12

Prerequisites: Biology Honors and Chemistry Honors with grades of 80 or above; Biology CP and Chemistry CP with a grade of 90 or above. Students who do not meet the above criteria must have the written permission of the Department Chairperson in order to take the course.

This course is designed to be the equivalent of a college introductory biology course usually taken during their freshman year. This course is designed for students intending to major in science, engineering, or a medical profession. The course consists of an in-depth study of basic biological chemistry, cells, energy transformations, genetics, evolution, heredity, biotechnology, principles of taxonomy and systematics, and ecology. Recommended laboratories will closely follow the College Board's syllabus with supplemental work both in and out of the classroom. Students will be expected to do extensive readings. All students are strongly encouraged to take the AP Biology exam in May.

Chemistry**Full Year-5.0 Credits Grades**

10, 11, 12

Prerequisite: Biology with a grade of 75 or above and Algebra I with a grade of 75 or above. Students who do not meet the above criteria must have the written permission of the Department Chairperson in order to take the course.

This course is an introduction to basic chemical principles and concepts, such as matter and energy, atomic structure, the Periodic Table, chemical bonding, chemical reactions, mole concept, stoichiometry, chemistry of gases, aqueous solutions, acids and bases, and nuclear chemistry. Mathematical analysis and problem solving skills are emphasized throughout the year. Laboratory work, including written reports and the use of technology to gather and analyze data are an integral part of the course.

Chemistry Honors**Full Year-5.0 Credits**

Grades 10, 11, 12

Prerequisite: Algebra IA with a grade of 80 or above and Biology A with a grade of 80 or above, or Algebra I with a grade of 90 or above and Biology with a grade of 90 or above. Students who do not meet the above criteria must have the written permission of the Department Chairperson in order to take the course.

This course is a more in-depth introduction to basic chemical principles and concepts, such as matter and energy, atomic structure, the Periodic Table, chemical bonding, chemical reactions, mole concept, stoichiometry, chemistry of gases, aqueous solutions, acids and bases, and nuclear chemistry. Mathematical analysis and problem solving skills are heavily emphasized throughout the year. Laboratory work, including written reports and the use of technology to gather and analyze data are an integral part of the course. This course is recommended for students wishing to take Advanced Placement Chemistry.

AP Chemistry**5.0 Credits**

Grades 11, 12

Prerequisite: Algebra I, Geometry Honors, and Algebra II Honors with an average of 80 or above, or Algebra I CP, Geometry CP, and Algebra II CP with an average of 90 or above. Chemistry Honors with an 80 or above, or Chemistry CP with a 90 or above. Students who do not meet the above criteria must have the written permission of the Department Chairperson in order to take the course.

This course is designed to be the equivalent of a first-year college chemistry course for students who plan to major in science. Topics studied are: atomic theory and structure, bonding, reactions in solutions, gases, liquids and solids, thermodynamics, kinetics, equilibrium, acids and bases, electrochemistry, nuclear chemistry and descriptive chemistry. Students will use analytical and critical thinking skills to gain an understanding of chemistry and its impact on the world. Lab activities will develop problem-solving skills and analytical techniques used in scientific investigations. All students are strongly encouraged to take the AP Chemistry exam in May.

Physics**Full Year-5.0 Credits***Grades 11, 12*

Prerequisite: Algebra I with a 75 and Geometry with 75. Students who do not meet the above criteria must have the written permission of the Department Chairperson in order to take the course.

This algebra-based course provides an introduction to physics topics including fundamentals of motion, dynamics, momentum, energy, torque, fluids, optics, light, electricity, and magnetism. A conceptual approach is reinforced by the use of mathematics and critical thinking skills. Laboratory experiments will be performed to enhance the instruction and provide students with real-world examples of the concepts being studied.

AP Physics I: Algebra-Based**Full Year-5.0 Credits***Grades 11, 12*

Prerequisite: Geometry Honors with an 80 or above, or Algebra I and Geometry with a 90 or above. Students who do not meet the above criteria must have the written permission of the Department Chairperson in order to take the course.

This course is an accelerated algebra-based introductory physics course. Topics covered include kinematics, dynamics, gravitation, simple harmonic motion, momentum, energy, rotation, electrostatics, circuits, mechanical waves and sound. Problem solving is an integral part of the course. Conceptual understanding is reinforced using interactive computer-based techniques, demonstrations, and laboratory experiences. All students are strongly encouraged to take the AP Physics I: Algebra-Based exam in May.

AP Physics C: Mechanics**Full Year -6.0 Credits***Grade 12*

Prerequisite: AP Physics I: Algebra-Based with a grade of 80 or above.

Co-Requisite: Advanced Math or Calculus. Students who do not meet the above criteria must have the written permission of the Department Chairperson in order to take the course.

This course is a Calculus based course involving more advanced topics in Physics. Topics include kinematics, Newton's Laws of Motion, work, energy, and power, systems of particles, linear momentum, circular motion, rotation, oscillations and gravitation. Problem solving and independent work are an integral part of the course. All students are strongly encouraged to take the AP Physics C exam in May.

Earth & Space Science**Full Year-5.0 Credits***Grades 10, 11**Prerequisite: Completion of Biology.*

Earth & Space Science is a laboratory based course about the earth's surface and the forces that influence it, such as weather, climate, plate tectonics, the atmosphere, volcanoes and earthquakes. Topics also include information about geology, astronomy, and the exploration of space. Laboratory experiences involve learning through classroom simulations and exploration with geological tools.

Physical Science**Full Year-5.0 Credits***Grades 10, 11**Prerequisite: Completion of Biology.*

This laboratory based course is designed to give students a basic understanding of the major topics related to chemistry and physics. Students will learn about the atom, the development of the periodic table, chemical reactions, chemical bonding, and forces and motion. Practical investigations and computer simulations are used to supplement information learned in class, and basic mathematical computations are also emphasized.

Marine Biology**5.0 Credits***Grades 11, 12**Prerequisite: Completion of Biology.*

This elective course is an introduction to the world's oceans and to the inhabitants and processes contained within its vast boundaries. The course covers a brief history of marine biology, the sea floor and its topography, and the chemical and physical properties of the ocean such as sea water, ocean circulation, waves, and tides. Various marine species and communities will also be studied. Laboratory exercises and computer simulations will be used to enhance instruction.

Environmental Science**Full Year-5.0 Credits***Grades 11, 12**Completion of Biology**Prerequisite:*

This elective course is designed for students who are interested in environmental issues relevant to today's world. Students will identify and analyze environmental problems, evaluate risks associated with these problems, and examine alternative solutions. Topics covered include the biomes of the world, global cycles involving weather, climate, and rock, population growth rates, competition between species, predation, food chains, and food webs, and human impacts to the planet.

Physics of Engineering

Grades 10, 11, 12

Full Year-5.0 Credits

Physics of Engineering & Design is an exploratory science course that will introduce students to basic and introductory concepts of physics such as motion, forces, stress, strain, energy, momentum, torque and electricity and their real world connections within career fields such as engineering and design. Science career fields that will be explored will include, but not be limited to, aeronautical, mechanical, civil, electrical, structural, & bio-medical engineering. Concepts will be introduced through exciting hands-on inquiry based lessons and projects that will build students' critical thinking, problem finding and problem solving skills.

Anatomy & Physiology

Grades 11, 12

Full Year-5.0 Credits

Anatomy and Physiology is a full year lab science that focuses on the study of the systems, functions, and structure of the human body. Students will be exposed to an in depth study of the organized functions of the human body at the cellular, tissue, organ, and system level. Students will participate in various hands-on inquiry-based activities throughout the year. Anatomy & Physiology is recommended for all students interested in receiving an in depth study of the human body and highly recommended for students interested in a possible career within the medical field.

Forensic Science

Grades 10, 11, 12

Full Year-5.0 Credits

Forensic Science is a general introduction to the biological, chemical and physical science principles and technological practices in the study of criminal and civil issues. Major themes of study in this course are pathology, anthropology, ballistics, trace evidence, biological fluids, DNA, fingerprints, impression evidence, questioned documents and forensic psychiatry/psychology. Hands-on lab experiments and inquiry-based lessons reinforce the scientific process. This course serves to familiarize those individuals with an interest in criminal justice or related fields with the methods and techniques currently employed by forensic scientists so that students have a working knowledge and understanding of the technical world of forensic science. Emphasis will be placed on the methods that link suspect, victim, and crime scene. Case studies and current events will also be explored. Successful completion of a unit will be based on the demonstration of mastery of the core curriculum standards.

Social Studies Department

World History

Full Year-5.0 Credits

Grade 9

World History is the first of the three state-mandated offerings in history at Becton Regional High School. World History, as a first-year survey course, will strive to serve students of all abilities and interests. The course is divided into three segments. The first, The Ancient World, explores the foundations of our world's civilizations. The second, Major World Cultures, seeks to infuse current trends and enthusiasm for multiculturalism, with a practical assessment of the undeniable contributions of these cultures to our modern world. Finally, Modern European History lays the groundwork for the transition to United States history with an overview of the development of the modern European nation state through the Enlightenment.

World History Honors

Full Year-5.0 Credits

Grade 9

World History and Culture Honors is the first of three state-mandated offerings in history at Henry P. Becton. This course will strive to prepare students for rigorous advanced level course work. The course is divided into three segments. The first is Global Interactions, which explores interactions among world civilizations. The second, Industrialization and Global Integrations, seeks to understand the role of assessment and contributions of industrialization between the world economy and our modern world. The final segment, Accelerating Global Change and Realignment, synthesizes the changes of globalization since the 15th century and the consequences of those changes.

U.S. History 1

5.0 Credits

Grades 10, 11

This is a required course covering American History from the age of discovery to the period of America's emergence as world power –1877. Through a comprehensive review of the economic, social, political, military, and literary activities of a growing nation, this survey stresses the dynamic character of the American scene. By chronicling the American past and developing a link between then and now, the student is made aware that the history of the United States represents a triumph in human achievement.

AP U.S. History 1***Full Year-5.0 Credits****Grades 10, 11*

Prerequisite: The student must have taken World History and Cultures and completed the course with a minimum grade of 88.

This is a college level course covering American History from the age of Discovery to post-Civil War American Industrial Revolution. This course will be presented as a comprehensive review of the political, economic, social, military, and intellectual activities of a growing and developing nation. This course is part of a program constituted for preparing students for taking the College Entrance Examination Board's Advanced Placement Test.

U.S. History 2***Full Year-5.0 Credits****Grades 11, 12*

This is a required course covering the period from 1877 to the end of World War II in 1945 with particular emphasis on the economic, political, and social factors which have shaped and influenced modern America. Knowledge, awareness, and appreciation of current, domestic, and foreign policy concepts are fully and systematically developed through the use of problem solving and inquiry techniques. Also incorporated into the course are sections on income tax preparation and the practical aspects of the law.

AP U.S. History 2***Full Year-5.0 Credits****Grades 11, 12*

Prerequisite: The student must have taken U.S. History 1 AP and completed the course with a minimum grade of 88.

This is a college level course covering American History from the Industrial Revolution to post Vietnam Conflict era. This course is a program constituted for preparing a student for taking the College Entrance Examination Board's Advanced Placement Test. The course will be presented as a comprehensive review of the political, economic, social, military and intellectual activities of a growing nation. Students will take the U.S. History AP exam in May.

AP U.S. Government and Politics***Full Year-5.0 Credits****Grades 11, 12*

Prerequisite: Completion of United States History 1 and 2 with a cumulative grade of no less than 85.

The course is designed to instill a deeper understanding and appreciation for our system of government and the documents that created it. The course is also intended to prepare students in the course for success on the AP United States Government and Politics exam administered each May by College Board.

Civics*½ Year Course-2.5 Credits**Grades 11, 12*

This course is structured for an in depth study of our democratic society to give the student an understanding and appreciation of the nature of their society in terms of its traditions, goals, and ideals, its limitations and strengths, its method of operation and the boundaries of reasonable choice in their nation and the world of which they are part. In the course, the constitutions of the federal and state governments will be analyzed, the structure and operation of the federal, state, county and local governments will be studied along with out political system.

History of New Jersey*½ Year Course-2.5 Credits**Grades 11, 12*

Course objectives include the basic political, economic, social and intellectual forces that have shaped New Jersey. Those taking this course will seek to define New Jersey's role within the context of United States history in light of the state and the nation's origin and development. Students will investigate the important events, personalities and issues of New Jersey history and make the necessary connections between people, places and events that led to major crises or conflicts that shaped New Jersey history.

The Holocaust*½ Year Course-2.5 Credits**Grades 11, 12*

This course is intended to present students with three different perspectives on the Holocaust. The first is to give students the historical view of the Holocaust, including anti-Semitism (past and present) and a survey of the years 1933-1945. This will focus on anti-Semitic laws of the Nazi government, deportations and the killing process. This will be viewed as a legalized program by the Nazi government to eliminate all Jews from Europe. The second is to offer the theological dimension of the Holocaust, specifically through the writings of Jewish and Christian authors on moral issues and reactions of the Christian Churches during and after the Holocaust. The third is personal and subjective. Students will be expected to react to the events of the Holocaust through videos, guest speakers and a field trip to the Holocaust Museum in Washington, DC.

Sociology*½ Year Course-2.5 Credits**Grades 11, 12*

This course is intended for students who wish to develop a better perspective about society. By developing a sociological outlook in relation to themselves and their environment, students can learn to live more effective lives as part of their social world. Specific areas to be studied are the history of sociology, the dynamics of group process and influence of mass media, basic problems confronting our society, the measuring of culture, normal and defiant behavior, and the operation of the political, economic and religious institutions. This is a course which allows for self expression and awareness of other in terms of the sociological problems which may relate to the individual or society as a whole.

Modern America: Post WWII*Full Year-5.0 Credits**Grades 11, 12*

Modern America will explore the development of the United States from post-World War II (1945) to the present. This course begins with the US in a world leadership role with the creation of the United Nations and continues through such topics as the Cold War, Korean War, McCarthyism and US involvement in the Vietnam War. The course will investigate the reforms of the 1960s (Warren Court, the Civil Rights movement, the Women's Rights movement, the Anti-War movement, the Environmental movement), the Watergate scandal and the US withdrawal from Vietnam.

Modern America will survey the emergence of the Modern Conservative movement, the Reagan Administration, the end of the Cold War and the emergence of the US as a key diplomatic player in the Middle East, Yugoslavia and Northern Ireland. The course will examine the profound changes in American popular culture brought about by the high technology revolution. Finally, Modern America will consider America's role in the post-September 11 world.

Economics*(1 Semester) 2.5 Credits**Grades 9, 10, 11, 12*

This course is structured to present the student with a capsule study of the field of economics, with emphasis on concepts and individual decision making. The economic forces and influences that contribute to the behavior and development of responsible adults as producers and consumers of goods and services form part of this broad study. Some specific topics included in the course are the fiscal policies of the federal government, world economic systems, personal and family economic problems, structure of private business and international trade.

Introduction to Criminal Justice*(1 Semester) 2.5 Credits**Grades 10, 11, 12*

This course is designed for students to develop a foundational knowledge of the criminal justice system through different perspectives. This course will provide understanding of historical developments and current practices in criminal law, as well as correctional practices, in the United States today.

Law: Rights & Responsibilities*(1 Semester) 2.5 Credits*

This course provides an understanding of how laws are created, enforced, interpreted, and changed. The course examines criminal, civil, constitutional, and international law, and explores civil rights issues, and the role of advocacy, in the U.S. legal system.

World Language Department

Italian 1

Full Year-5.0 Credits

Grades 9, 10, 11, 12

Instruction in this introductory course focuses on developing proficiency in the four basic areas of communication—listening, speaking, reading and writing. Throughout the academic year, students increase their vocabulary and learn the basic grammatical structures of the Italian language. Instructional activities also emphasize conversation and understanding of the spoken language. Students are exposed to the rich culture and varied customs of Italy as well.

Italian 2

Full Year-5.0 Credits

Grades 10, 11, 12

Prerequisite: Italian 1

This course continues to develop proficiency in the four basic areas of communication— listening, speaking, reading and writing. Students expand their working vocabulary and increase their knowledge of grammatical structures in the target language. Learning activities include increased reading and writing assignments, and conversational skills are further developed and emphasized. Students continue to explore Italy's cultural heritage throughout the school year.

Italian 3 Honors

Full Year-5.0 Credits

Grades 11, 12

Prerequisite: Italian 1 & 2

In this course students continue to learn more advanced vocabulary and more complex sentence structure and are expected to write longer compositions and even some poetry. Many opportunities are provided to develop conversational and listening skills to a further extent and to increase students' knowledge of Italy's rich cultural heritage, its contributions to the arts and sciences both in the past as well as the present. Reading selections include short stories, poetry, and articles from Italian newspapers and magazines. Computer technology, a tool for learning, is utilized as well throughout the school year.

Spanish 1

Full Year-5.0 Credits

Grades 9, 10, 11, 12

Instruction in this introductory course focuses on developing proficiency in the four basic areas of communication—listening, speaking, reading and writing. Throughout the academic year, students increase their vocabulary and learn the basic grammatical structures of the Spanish language. Instructional activities also emphasize conversation and the understanding of the spoken language. Students are introduced to the culture and customs of the Spanish speaking world through direct instruction as well as various projects. Computer technology as a tool for learning is utilized, bringing the learning process into the twenty-first century.

Spanish 2

Grades 10, 11, 12

Prerequisite: Spanish 1

Full Year-5.0 Credits

This course continues to develop proficiency in the four basic areas of communication— listening, speaking, reading and writing. Students expand their working vocabulary in the target language and increase their knowledge of grammatical structures. Instructional activities also emphasize conversation and understanding of the spoken language. In addition, students continue to learn about the culture and customs of the Spanish speaking world through the creation of a Piñata, a travel brochure, and/or other projects. Students continue to use computer technology as a tool for learning.

Spanish 3 Honors

Grades 11, 12

Prerequisite: Spanish 1 & 2

Full Year-5.0 Credits

In this course students continue to learn more advanced vocabulary and more complex sentence structure and are expected to write poetry in the target language as well as longer compositions. Many opportunities are also provided to develop conversational and listening skills to a fuller extent. Reading assignments include short stories from *Cuentos Simpaticos* and the novel *Marianela* by Caldos. At least one field trip is arranged to enable students to experience some aspect of Spanish culture. A PowerPoint presentation of a famous Hispanic artist is part of the cultural activities as well.

