



B

BLOOMFIELD HIGH SCHOOL

FRESHMAN COURSE OF STUDIES

2016-17

160 BROAD STREET • BLOOMFIELD, NEW JERSEY 07003
WWW.BLOOMFIELD.K12.NJ.US



ToC



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BLOOMFIELD SCHOOL DISTRICT

Mission Statement

The Bloomfield Public School district, a culturally diverse system, is committed through cooperative efforts within an educational community to provide an equal opportunity for all learners to achieve individual success and to be prepared to meet the needs of an evolving Society.

We believe:

- A school is a microcosm of society, helping students function as responsible and productive citizens through the development of communication, decision-making and problem solving skills.
- A school should be an unbiased environment which engenders positive values and democratic principles, and one which develops a strong self-concept within the diverse cultures of the educational community.
- The unique cultural heritage of each student should be respected and integrated into the learning process.
- A school should encourage students to develop a life-long love of learning as an ongoing process to achieve their goals and the critical thinking abilities to challenge misconceptions, make decisions and reflect a variety of learned concepts.
- A school is a community center and education is fostered by positive community involvement through a commitment of financial support.
- A school should offer a safe, clean, healthy and stable environment for students and staff.
- Children, our most valuable resources, must develop to their optimum potential given their unique individual talents and needs.
- A school is a community where the highest standard of teacher expertise is provided and where the academic abilities of staff and students are promoted.
- A broad based curriculum should be provided which is comprehensive in academic and technical areas.





Letter from the Principal

Dear Parents/Guardians and Students:

This “Program of Studies” has been created for you to facilitate your course selection and to help you plan your academic program during your four years at Bloomfield High School. An overview of state and local graduation requirements is outlined. Each course description listed provides a brief synopsis of the course to help parents, students and guidance counselors act in unison in choosing a schedule.

A comprehensive education is offered in three patterns of study: AP, Honors, and College Prep. High school is a time of growth and exploration and students should take this opportunity to experience courses in a variety of fields to broaden their horizons. It is our goal to prepare students for success at an institution of higher learning upon completion of their studies at Bloomfield High School.

When you enter the doors of Bloomfield High School the world is open to you. Grab it with both hands! Best wishes for a successful school year.

Sincerely,

Chris Jennings

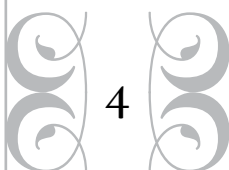
Chris Jennings
Principal





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Guideline for Credit and Graduation Requirements

Participation in a local program of study of not fewer than 120 credits in courses designed to meet all of the Core Curriculum Content Standards, including, but not limited to, the following credits:

- At least 20 credits in language arts literacy, aligned to grade nine through 12 standards, effective with the 2009-2010 grade nine class;
- At least 15 credits in mathematics, including algebra I or the content equivalent (“content equivalent” is defined at N.J.A.C. 6A:8-1.3) effective with the 2008-2009 grade nine class, including geometry or the content equivalent effective with the 2010-2011 grade nine class, and including a third year of mathematics that builds on the concepts and skills of algebra and geometry and that prepares students for college and 21st century careers effective with the 2012-2013 grade nine class;
- At least 15 credits in science, including at least five credits in laboratory biology/life science or the content equivalent effective with the 2008-2009 grade nine class, including one additional laboratory/inquiry-based science course which shall include chemistry, environmental science, or physics effective with 2010-2011 grade nine class, and including one additional laboratory/inquiry-based science course effective with 2012-2013 grade nine class;
- At least 15 credits in social studies, including satisfaction of N.J.S.A. 18A:35-1 and 2 (2 years of US History); five credits in world history; and the integration of civics, economics, geography and global content in all course offerings;
- At least 2.5 credits in financial, economic, business, and entrepreneurial literacy, effective with 2010-2011 grade nine class;
- At least 3 $\frac{3}{4}$ credits in health, safety, and physical education during each year of enrollment, distributed as 150 minutes per week, as required by N.J.S.A. 18A:35-5, 7 and 8;
- At least five credits in visual and performing arts;
- At least five credits in world languages or student demonstration of proficiency;
- Technological literacy, consistent with the Core Curriculum Content Standards, integrated throughout the curriculum;
- At least 5 credits in 21st century life and careers or career technical education
- **Students must take PARCC tests in English 1, 2, 3, Algebra 1, Geometry, and Algebra 2 (or their equivalents).**
- **Students in the classes of 2016, 2017, 2018, and 2019 (and possibly beyond) must meet the minimum required scores in English/LAL and Mathematics on at least one of the state designated tests, which includes PARCC tests, SAT, ACT, PSAT, ACT Aspire, Accuplacer, or ASVAB.**

The 120 credit total is greater than the sum of the individual requirements above to allow for student electives.





Guidelines for Enrollment/Dropping a Course for Credit 2016-17

BHS has an Attendance Policy that grants credit for time spent in quarter, semester and full year courses. Students must earn a passing grade in a course to earn credit. The policy is designed to maintain the integrity of a course as well as to encourage a student's responsibility for personal choices and efforts. All academic schedule changes will require parental approval. **Course changes and level changes are dependent upon available seating in the desired courses.**

1. FULL YEAR COURSE

Changes are acceptable up to SEPTEMBER 30, 2016 for a full year course for credit. The student's attendance and grades will be carried over into the new class. Level changes (e.g., honors to CP) are acceptable up to October 21, 2016. **Changes are dependent upon seating availability in the desired course.**

2. SEMESTER COURSE

Enrollment is acceptable up to Day 10 of the semester course for credit:

September 20, 2016 – 1st semester
February 10, 2017 – 2nd semester

The student's attendance and grades will be carried over to the new class. **Changes are dependent upon seating availability in the desired course.**

3. QUARTER COURSE – HEALTH ONLY

Enrollment is acceptable up to Day 7 of a quarter course for credit. Attendance will be carried over to the new class.

Health is required and may not be dropped.



Grading and Ranking

COURSE GRADING

For 2016-17 a numerical average is used to determine and report marking period and final grades. Midterm and final exam grades will be combined for a 5th marking period grade. Each marking period will count as 1/5 of the final grade for a full year course. A floor grade of 50 is used for the first marking period only, with 35 thereafter for the remaining marking periods. Letters will no longer be reported, however, BHS converts numerical grades to letters as follows:

Numerical Equivalent	Grade
95-100	A+
90-94	A
85-89	B+
80-84	B
75-79	C+
70-74	C
65-69	D
50-64	F+
0-49	F

Numerical grades will no longer be converted to letter grades for the purpose of grade reporting. Final grades are based on numerical averages.

RANKING AND GRADE POINT AVERAGE

Students have a weighted grade point average, based on a weighted 4.0 scale. Students are ranked on the weighted grade point average.

Courses in English, Math, Social Science, Science, World Languages, and selected electives in these areas are included in the weighted GPA, excluding test preparation electives. Each of these full year courses is considered to be one academic unit.

WEIGHTED GPA

Weighted Grade Point Average (GPA) is the total of the final grade points of all academic units divided by the total number of attempted credits.

COURSE WEIGHTING FOR WEIGHTED GPA

Formulas are used to assign grade points. These formulas create grade points for each numerical grade, rather than a group of numerical grades. Honors and AP courses have different formulas, and therefore different weights. The grade points are a product of the result of the formula times the number of credits for the course. The average is the result of the total of all grade points divided by the total number of attempted credits for weighted courses. The formulas are as follows, where x equals the grade earned for the course:

Level	Formula
AP	$((x-65)*(3.3/35))+1)*1.25$
Honors	$((x-65)*(3.3/35))+1)*1.125$
CP	$((x-65)*(3.3/35))+1$





Example for computing a GPA:

Student "A" has taken seven courses and received grades for them as follows:

- English 1 CP: 87
- World History CP: 90
- Environmental Science CP: 85
- Honors Geometry: 96
- Spanish 1 CP: 79
- Foundation Art: 100
- Phys. Ed/Health 9: 97

The GPA would be computed as follows:

Course	Grade	Formula result	Credits	Grade Points	(formula result * credits)
English 1 CP	87	$((87-65)*(3.3/35))+1 = 3.074$	5	15.371	
World History CP	90	$((90-65)*(3.3/35))+1 = 3.357$	5	16.786	
Env Science CP	85	$((85-65)*(3.3/35))+1 = 2.886$	5	14.429	
Geometry Honors	96	$((96-65)*(3.3/35))+1)*1.125 = 4.413$	5	22.066	
Spanish 1 CP	79	$((79-65)*(3.3/35))+1 = 2.32$	5	11.600	
		Totals	25	80.252	
		GPA (total grade points/total credits)		3.210	

Note that Foundation Art and PE/Health are NOT included. Only academic courses and academic electives are used for calculating GPA.

PROMOTION

To be considered promoted to the next grade level, students must complete the following number of credits:

- | | |
|-----------------|---|
| Grade 9 | Promotion from 8th Grade |
| Grade 10 | Minimum of 30 Credits |
| Grade 11 | Minimum of 60 Credits |
| Grade 12 | Minimum of 80 Credits <u>and</u> a plan to complete all graduation requirements by the end of the year |





SUMMER SCHOOL

Students who fail courses during the school year must have at least a 50 average in order to be eligible for summer school. Bloomfield High School will not accept credit from outside summer schools unless the student had at least a 50 average for the course at Bloomfield High School during the academic year. Students may enroll concurrently at a community college for a course while they are attending Bloomfield High School if they have acquired at least 90 credits at BHS. **Students who fail with less than a 50 average or have not taken a course may attend an approved summer school that offers the course for initial credit and is 120 hours.**

HONOR ROLL

The Honor Roll is designed to recognize students who have achieved academic status by superior performance in their course of study. Outstanding students are recognized by high honors, honors, or honorable mention depending on their grades for each marking period.

Prior to 2012-13:

- High Honors 5 A's/A+'s
- Honors (minimum) 3 A's/A+'s
- Honorable Mention All A/A+'s or B/B+'s in any combination

As of 2012-13:

- High Honors Minimum 5 courses with grades from 90-100, maximum one course not lower than 70
- Honors (minimum) 3 or 4 courses with grades from 90-100, maximum one course not lower than 70
- Honorable Mention Minimum 5 courses with grades from 80-100, sixth course not lower than 70

Students must take at least six courses including Physical Education. Courses which do not meet five days each week are excluded from consideration.

Work experience and time share grades may be doubled or tripled depending on the number of credits assigned to the course.

ASSESSMENT REQUIREMENT FOR GRADUATION

Classes of 2016, 2017, 2018, and 2019, must meet ONE of the following in each column:	
English Language Arts	Mathematics
Passing score on a PARCC ELA 9 <i>or</i>	Passing score on a PARCC Algebra I <i>or</i>
Passing score on a PARCC ELA 9 <i>or</i>	Passing score on a PARCC Geometry <i>or</i>
Passing score on a PARCC ELA 9 <i>or</i>	Passing score on a PARCC Algebra II <i>or</i>
SAT ≥ 400 <i>or</i>	SAT ≥ 400 <i>or</i>
ACT ≥ 16 <i>or</i>	ACT ≥ 16 <i>or</i>
Accuplacer Write Placer ≥ 6 <i>or</i>	Accuplacer Elementary Algebra ≥ 76 <i>or</i>
PSAT ≥ 40 <i>or</i>	PSAT ≥ 40 <i>or</i>
ACT Aspire ≥ 422	ACT Aspire ≥ 422
ASVAB-AFQT ≥ 31 <i>or</i>	ASVAB-AFQT ≥ 31 <i>or</i>
Meet the Criteria of the NJDOE Portfolio Appeal	Meet the Criteria of the NJDOE Portfolio Appeal

EXAMINATIONS ADMINISTERED AT BHS

In addition to the required PARCC exams, these optional examinations are given at Bloomfield High School as a service and convenience to our students. These include:

- SAT Examinations (fall & spring)
- PSAT/NMSQT Exam (fall)
- Armed Services Vocational Aptitude Battery (ASVAB)
- Accuplacer





English Language Arts

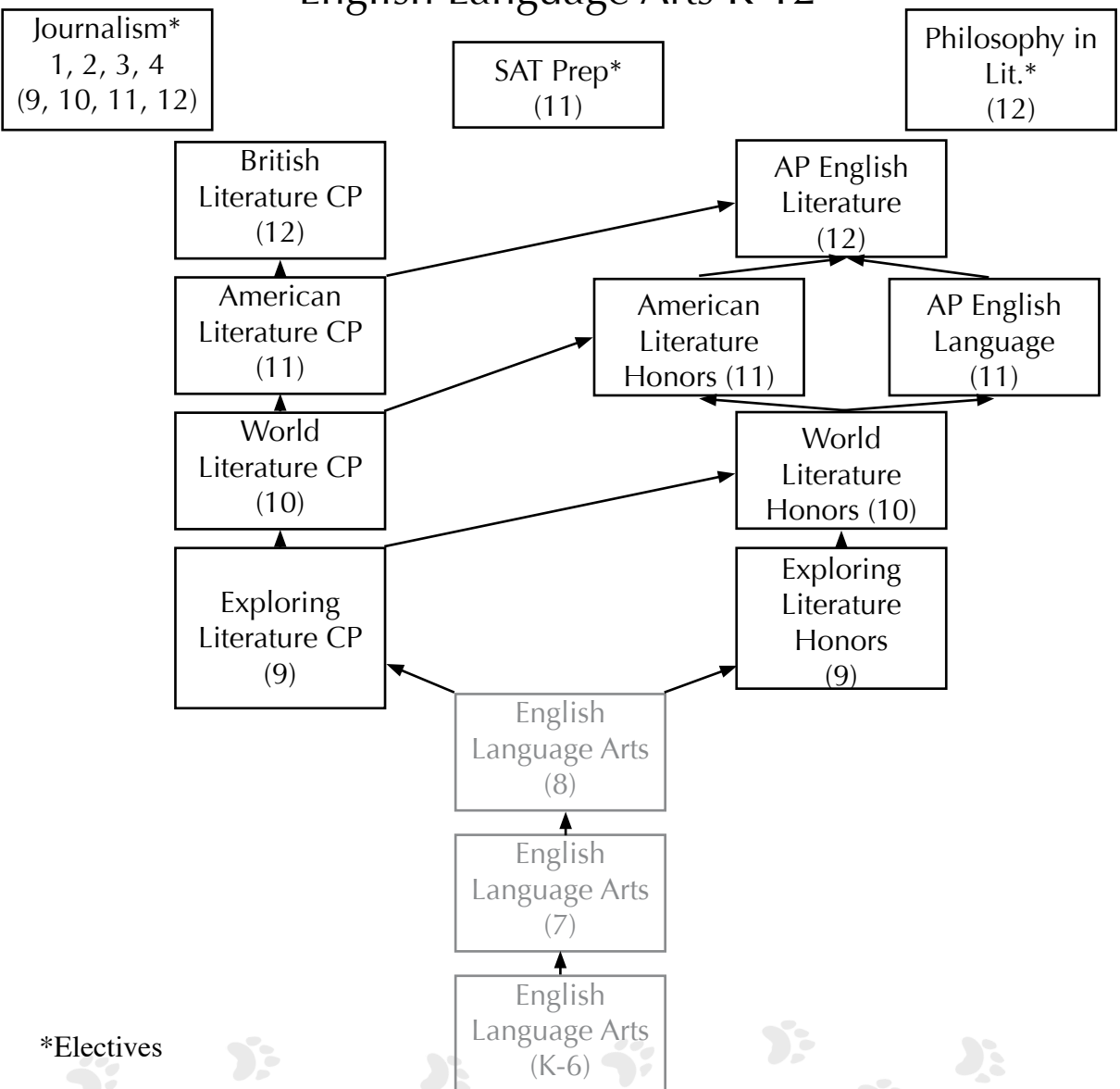
Department Supervisor: Suzanne Johnson
sjohnson@bloomfield.k12.nj.us; x4384

The English program is designed to improve the students' awareness of the important role that the English language and its literature play in their personal and career development. Essential to the overall program of studies, the English program emphasizes the development of the powers of comprehension, of critical thinking skills, and of cogency and fluency in the expression and communication of ideas.

While the English program stresses competence in skills of reading, writing, speaking and listening, it also provides experiences and activities that will help students become discriminating users of print and non-print media. Literacy and media works, selected for both excellence in content and style and relevance to student interest, will promote humanistic attitudes, aesthetic appreciation, and critical evaluation skills while also providing leisure time activities.

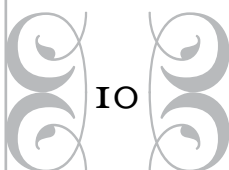
Fulfilling this responsibility to our students' total literacy is the cornerstone of our Department's philosophy.

Bloomfield Public Schools English Language Arts K-12



*Electives

ToC



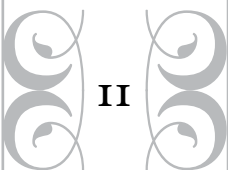
English



- 20020114 **ENGLISH 1: EXPLORING LITERATURE HONORS**
(9) 5 CR. PREREQUISITE: TEACHER RECOMMENDATION.
ENGLISH 1 HONORS, for students of superior ability, requires oral presentations, research, computer application, and a genre based study of both fiction and non-fiction text, including short stories, drama, poetry, biography, and essays. Literature includes: The Odyssey, Great Expectations, Black Boy, and Romeo and Juliet.
- 20020113 **ENGLISH 1: EXPLORING LITERATURE CP**
(9) 5 CR. PREREQUISITE: COUNSELOR REVIEW.
ENGLISH 1 COLLEGE PREPARATORY focuses on the mastery of skills and the willingness to accept challenging college preparatory subject matter. The program requires high motivation and intensive study. Included are writing and word study, a Shakespearean play, and a genre based study of drama, poetry, non-fiction, the short story, the novel, and the epic. Literature includes: To Kill a Mockingbird, Romeo and Juliet, The Odyssey, and Great Expectations.
- 20020413 **JOURNALISM 1 CP**
(9-12) 5 CR. PREREQUISITE: ENGLISH I; B/ BETTER is required for all staff members of the school newspaper, School Prints. JOURNALISM 1 CP introduces the elements of journalistic writing: news, feature, and editorial. Desktop publishing, technical writing, photography, layout, proofreading, and the basics of composition and mechanics are produced and analyzed by students.

English

ToC



II



Fine Arts



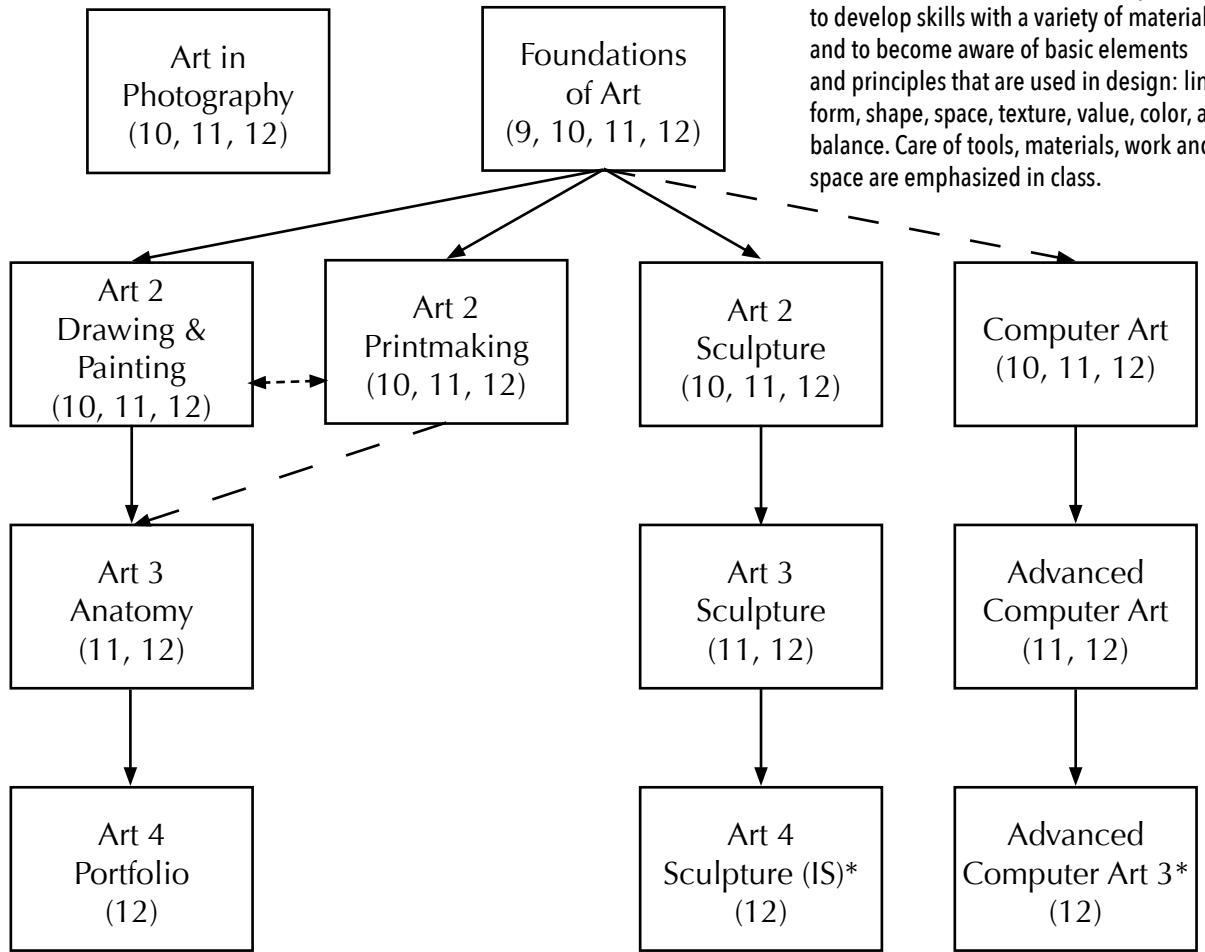
Fine Arts

Department Supervisor: Jennifer Khoury
 jkhoury@bloomfield.k12.nj.us; x4392

The Visual Art Department offers a variety of classes for all students, from novice to advanced, including those wishing to pursue art in college. Students generally start with the Foundations of Art course and in subsequent years proceed to more specific Art 2 courses. Computer Art courses are offered, as well, for students interested in learning Photoshop, Illustrator, and other industry standard art software. All courses in the art department fulfill the fine or performing art requirement for graduation. Student work is exhibited at least twice a year in the BHS galleries, as well as other shows in the area and state. The newly created and renovated art facilities include painting and drawing rooms, a sculpture room with pottery wheels and kilns, a dark room, a computer art lab, two galleries, and an art library.

VISUAL ART DEPARTMENT Course Offerings

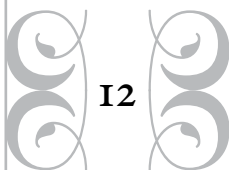
031111 FOUNDATION OF ART
 (9-12) 5 CR. PREREQUISITE: NONE.
 FOUNDATION OF ART is the introductory course in fine arts. Students are expected to develop skills with a variety of materials, and to become aware of basic elements and principles that are used in design: line, form, shape, space, texture, value, color, and balance. Care of tools, materials, work and space are emphasized in class.



———— Prerequisite
 - - - - - Recommended
 *Independent Study

Fine Arts - Art

ToC



Fine Arts



MUSIC DEPARTMENT Course Offerings

The BHS Music Department offers all students the opportunity to participate in music, whether just starting out or seasoned performer. Students have the opportunity to sing, play instruments, and learn how music works while building both cultural and social connections. Students may participate in band, choir, or orchestra, or any combination of the three. In addition, ensemble students have the opportunity to audition and participate in honors groups like Region, All-State and All-Eastern. All courses in the music department fulfill the fine or performing art requirement for graduation.

032111 **FRESHMAN BAND**

(9) 6 CR. PREREQUISITE: NONE.
FRESHMAN BAND provides group experience for wind and percussion instruments. In addition to full ensemble band music, every student will have the opportunity to perform in smaller groups, such as Jazz Band, Percussion Ensemble, Brass Choir and Woodwind Ensembles. All Freshman Band members are required to attend evening rehearsals and concerts throughout the year, participate in Marching Band, and participate in a lab one day every other week during their gym period.

032511 **FRESHMAN ORCHESTRA/CHOIR**

(9) 6 CR. PREREQUISITE: PRIOR STRING EXPERIENCE.
Students who elect both Choir and Orchestra will share the period. Students will be responsible for all work associated with both classes, including extra rehearsals and performances (where attendance is required). Students are required to participate in lab classes every other week, alternating between the two performance areas.

032211 **MIXED CHORUS**

(9-12) 6 CR. PREREQUISITE: NONE.
The MIXED CHORUS is designed for students in their first year of choir. Students are introduced to the principles of singing, note reading, ensemble skills and performance. All members are required to attend evening rehearsals and concerts throughout the year and participate in a lab one day every other week.

032411 **FRESHMAN BAND/CHOIR**

(9) 6 CR. PREREQUISITE: NONE.
Students who elect both Band and Choir will share the period. Students will be responsible for all work associated with both classes, including extra rehearsals and performances (where attendance is required). Students are required to participate in Marching Band. Students are also required to participate in lab classes every other week, alternating between the two performance areas.

032311 **FRESHMAN ORCHESTRA**

(9) 6 CR. PREREQUISITE: PRIOR STRING EXPERIENCE.
FRESHMAN ORCHESTRA provides a group experience for string players. Students are expected to practice at home, keep their instruments clean and in good playing condition, and improve sight-reading ability. Students perform with the Upperclassman Orchestra. All Freshman Orchestra members are required to attend evening rehearsals and concerts throughout the year and participate in a lab one day every other week during their gym period.

032611 **FRESHMAN BAND/ORCHESTRA**

(9) 6 CR. PREREQUISITE: NONE, PRIOR STRING EXPERIENCE STRONGLY RECOMMENDED.
FRESHMAN BAND/ORCHESTRA is open to students who have learned to play both a band and string instrument. Students who elect both Band and Orchestra will share the same period. Every student will have the opportunity to perform in smaller groups, such as Jazz Band and Woodwind Ensembles, in addition to the full groups. Students are required to participate in Marching Band and attend all evening rehearsals and concerts associated with both groups. Students are also required to participate in a lab one day every other week during their gym period.





032711 **FRESHMAN BAND/CHOIR/ORCHESTRA**
(9) 6 CR. PREREQUISITE: TEACHER RECOMMENDATION.
BAND/CHOIR/ORCHESTRA is designed for students who wish to participate in all three performing arts programs. Students will be assigned by the teachers in the Music Department according to the time necessary for specific performances. All Band/Choir/Orchestra members are required to attend evening rehearsals and concerts throughout the year, participate in Marching Band, and participate in a lab one day every other week during their gym period.

032911 **MUSIC TECHNOLOGY**
(9-12) 5 CR. PREREQUISITE: NONE
Students will use music software and hardware to learn the basics of music, basic piano skills, composition, and digital recording. No knowledge of music or piano is necessary, but basic computer skills will be helpful.

032811 **MUSIC THEORY 1**
(9-12) 5 CR. PREREQUISITE: NONE.
MUSIC THEORY 1 is an exploration of the elements found in all types of music, including melody, harmony, rhythm, and meter. This course focuses on music composition skills, as well as aural (listening) skills. Students should know the fundamentals of reading music, but need not be advanced. This class is an aid to performing and arranging both classical and popular music.

034011 **PIANO 1**
(9-12) 2.5 CR. PREREQUISITE: NONE.
PIANO 1 focuses on instruction in basic music theory, note reading, music composition, history and piano performance techniques. No prior piano experience is necessary. Students will have access to a piano in the Music Technology lab. Students will be expected to perform prepared pieces at the culmination of the class.

034021 **PIANO 2**
(9-12) 2.5 CR. PREREQUISITE: PIANO 1 OR TEACHER RECOMMENDATION.
This course builds on skills and information learned in Piano 1. Students should have some prior piano experience. Students will have access to a piano in the Music Technology lab. Students will be expected to perform prepared pieces at the culmination of the class.



Fine Arts



DRAMA & TELEVISION BROADCAST AND PRODUCTION PROGRAM

Students may take offerings in Television Broadcast and Production that are taught in a fully equipped television studio. This program is a complete course of study that includes hands-on classes teaching topics of film production, film directing, film editing, digital editing, audio editing, film production, video production and TV news production. These classes are responsible for the creation of shows that are broadcast on the Bloomfield School District Public Access Station BETV. Traditional Drama classes are also available.

033101 INTRODUCTION TO TELEVISION ARTS AND SCIENCES

(9-11) 5 CR.

This course is the beginning of a sequence of classes to prepare students for broadcasting. Operation of television equipment, including cameras, lighting, sound and wiring, is taught. Program development in the district's network is explored, with emphasis on teamwork among students.

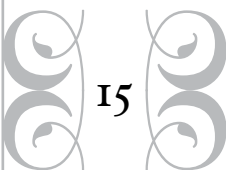
033211 DRAMATIC ARTS 1

(9-12) 5 CR. PREREQUISITE: NONE.

DRAMATIC ARTS, an elective that meets a requirement for fine/performing arts, is a study of theatre techniques, including stage production, voice projection, make up, and performance. A demonstration of proficiency in stagecraft, knowledge of the history and culture of drama, and an ability to enact scenes is required.

*Fine Arts -
Drama & TV*

ToC



Integrated Technology



Integrated Technology

Department Supervisor: Joanne Decker
jdecker@bloomfield.k12.nj.us; x4480

The Integrated Technology Department includes courses in Business Technology; Family and Consumer Sciences; Technology Education; Industrial Arts; the BHS School-To-Career Program and the TV Broadcast and Production Program. All of the courses in the Integrated Technology Department can be selected by students as electives that allow achievement of proficiencies as outlined in NJCCCS. Integrated Technology classes meet the practical art graduation requirement. Some classes may also meet additional graduation requirements established by the NJDOE in fine arts. A primary goal of these classes is to reinforce necessary pathways for entering the world of work in the 21st century.

BUSINESS TECHNOLOGY

The Business Technology Department provides a unique blend of innovative courses that integrate technology with traditional business theory. These courses give students the opportunity to delve into the many topics in the world of business and technology. All courses are designed to provide an experience that prepares the student with technical proficiency and a sound knowledge foundation in business technology. In addition to the focus on providing this foundation, many advanced offerings are available for students who are interested in pursuing business careers or need advanced computer expertise. There are two distinct programs of business technology that are a part of the NJDOE Career & Technical Education programming.** These two programs focus on preparation for specific careers and are aligned with NJCCS 9.4. The first is for a career in Administration and Information Support; the second is for a careers in Financial Management and Research.

010611 **ENTREPRENEURSHIP** (9-12) 5 CR.

This course provides students with an opportunity to study the process of starting a business. Emphasis is placed on topics such as risk-taking, money investment and resource analysis. Student-centered activities include creation of a business plan, review of the Wall Street Journal and stock market analysis. This course fulfills the Financial, Economic, Business, and Entrepreneurial Literacy requirement for graduation.

011111 **MARKETING AND MEDIA STRATEGIES FOR BUSINESS**

(9-12) 2.5 CR. SEMESTER COURSE.
This course is an introduction to social media and the use of it in marketing. It will explore implications, opportunities, and challenges for the business profession and the ways social media have had an impact on various aspects of business. Students will examine ways businesses use social media to leverage and brand themselves, as well as the damage that social media can do.

010411 **PERSONAL FINANCE** (9-12) 2.5 CR. SEMESTER COURSE.

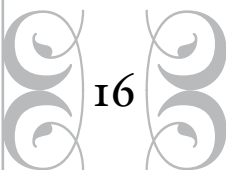
This course provides students with an opportunity to learn about management of their money. The topics of this course will develop a student understanding about how the economy works and their own role in the economy. They will also develop the necessary skills to effectively manage personal finances by the time they graduate. This course fulfills the Financial, Economic, Business, and Entrepreneurial Literacy requirement for graduation.

011211 **SPORTS MARKETING** (9-12) 2.5 CR. SEMESTER COURSE.

Sports industry is a major component in the field of business and marketing. The industry is all around us—not just at ballparks and theaters, but also at schools, on television, radio, in stores, and on the internet. This course will emphasize the importance of the industry and the role it plays in our society. Students will explore both the sports industry and entertainment industry, focusing on real world business.

Int. Tech -
Business

ToC



Integrated Technology



FAMILY AND CONSUMER SCIENCES DEPARTMENT

The course offerings in Family and Consumer Sciences combine aspects of consumer science, nutrition, cooking, parenting and human development, interior design, textiles, family economics, housing, apparel design and resource management as well as other related subjects. The focus of classes in this department is on life skills as defined by the NJCCS.

090111 **FASHION SEWING 1**

(9-12) 5 CR.

This course offers an excellent opportunity to learn the basic skills of clothing construction by completing specific requirements. Individual talents can be shown through design and completion of that design through analysis of fabric, pattern and construction techniques.

090611 **INTERIOR DESIGN 1**

(9-12) 5 CR.

This course introduces students to the basics of housing and interior design. Design principles are applied to kitchen planning, room arrangements, furnishings and accessories. Students learn to decorate a home that reflects their own personality and skills.

090211 **FASHION DESIGN**

(9-12) 2.5 CR. SEMESTER COURSE.

This course introduces students to the world of fashion with a focus on the design of clothing. Selection of textiles, the history of fashion, technology, innovations, terminology, garment styles and popular apparel fabrics are analyzed and discussed.

090911 **CHILD DEVELOPMENT—FRESHMEN ONLY**

(9) 5 CR.

This course is the first year of the EXPLORING CHILDHOOD program sequence. It is available for 9th grade students who are interested in careers working with children. Topics include pregnancy, childbirth and child development through the toddler years. Tools such as the Baby-Think-It-Over simulator and the Empathy Belly are utilized.

090311 **FASHION MERCHANDISING**

(9-12) 2.5 CR. SEMESTER COURSE.

This course focuses on the world of fashion and the marketing, placement and develops understanding and practical skills related to the buying and selling of fashion merchandise. Possible career options include positions in management, merchandising, fashion promotion and sales, visual presentation and other areas related to the field.



Integrated Technology



INDUSTRIAL ARTS DEPARTMENT

The course offerings in Industrial Arts offer students exposure to the basics of construction, manual craftsmanship, and machine safety. These classes feature fabrication of objects in wood and/or metal using a variety of hand, power, or machine tools. The goal of classes in this department is to have students develop lifelong skills and create products through the application and appropriate use of technological resources.

080111, 080121, 080131, 080141

WOODWORKING LEVELS 1-4

(9-12) 5 CR.

All levels of this course offers hands-on experience with woodworking. Planning, design, cost projection and finishing are steps to complete projects. Students are expected to exhibit safe and proper use of woodworking tools to create a useful wood project. The Level 1 curriculum provides basics in woodworking and the advanced levels provide the opportunity to work on more involved projects.

080211, 080221, 080231 **CONSTRUCTION**

TECHNOLOGY LEVELS 1-3

(9-12) 5 CR.

All levels of this course investigate the technology that is utilized to design and build infrastructure such as buildings, highways, bridges and airports. Blueprint reading, interior design, aesthetic appreciation, environmental impact, building codes, universal design and materials fabrication are elements for review. Level 1 provides basics, and the advanced levels provide the opportunity to work on more involved projects.

TECHNOLOGY EDUCATION DEPARTMENT

The goal of the course offerings in the Technology Education Department is to ensure that all students will develop an understanding of the nature and impact of technology, engineering, technological design, and the designed world, as they relate to the individual, global society, and the environment. The courses in the department are active in many national co-curricular activities such as Technology Student Association (TSA) and in FIRST Robotics.

080411 **GRAPHICS AND WEB PAGE DESIGN**

(9-12) 5 CR.

This course is based on applied technology. Students will learn traditional design production techniques and use electronic means to solve assignments. The Adobe Creative Suite design software is used in this class. Aesthetic awareness applied to graphic design is a focus of the class in addition to computer proficiency.

080311 **DRAFTING/ARCHITECTURAL DESIGN/CAD 1**

(9-12) 5 CR.

This course is the first in a four-year sequence that takes the students through the process of design, drawing, drafting and modeling of architectural structures. In this introductory class students will complete a series of drawings following technical drafting formats. This level serves to introduce students to computer-aided drafting software. In addition, the basics of architecture are explored.

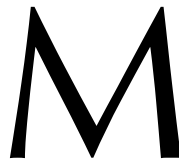
080611 **ROBOTICS LEVEL 1**

(9-12) 5 CR.

The course objective is to design and implement basic electronics to create simple robots that function upon command. The problem-solving model is a basis for construction challenges using lego parts. Specific software is utilized for programming the designs. Robots are created as prototypes for more elaborate design and function.



Mathematics

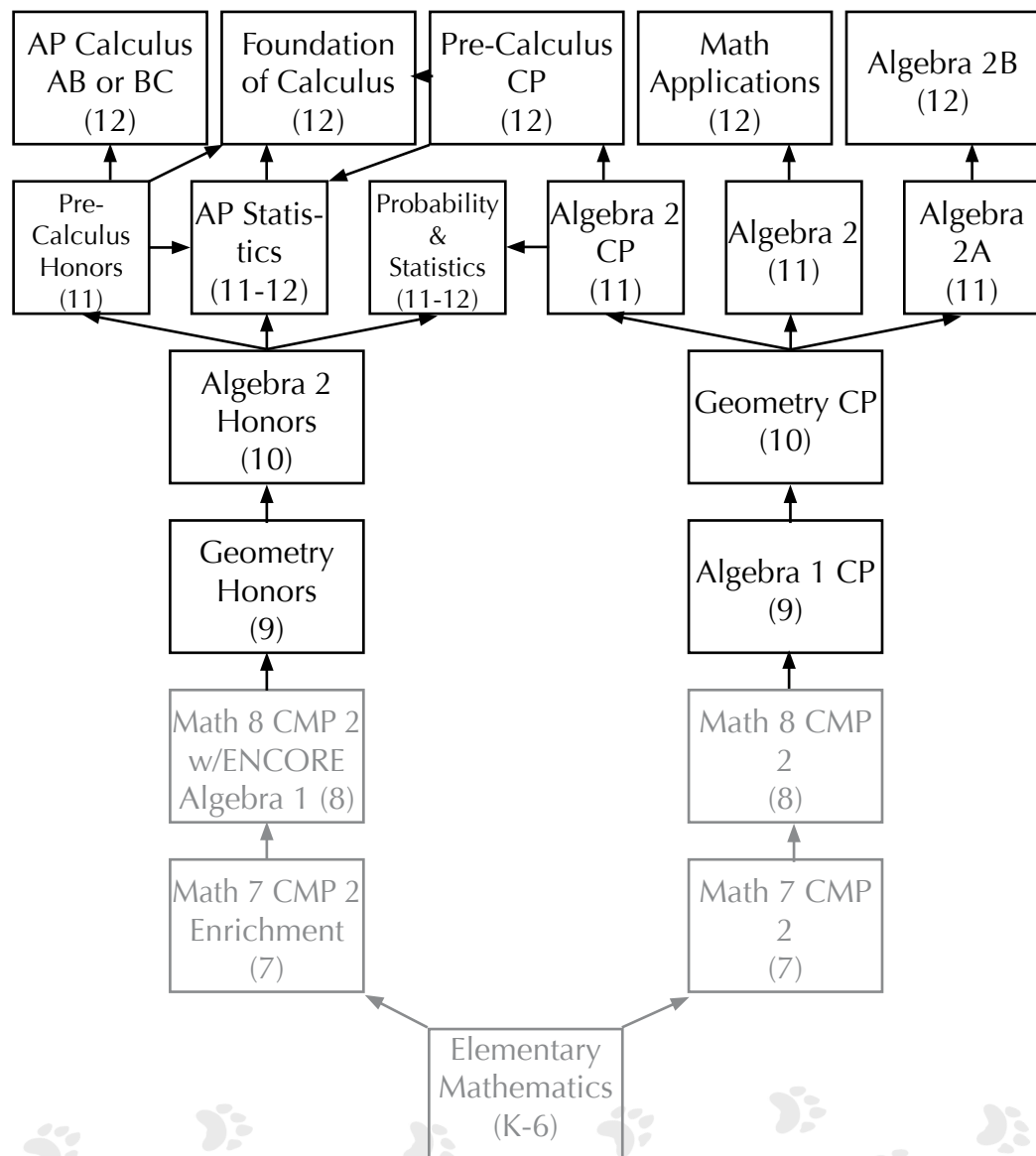


Mathematics

Department Supervisor: Roger Marchegiano
 rmarcchegiano@bloomfield.k12.nj.us; x4273

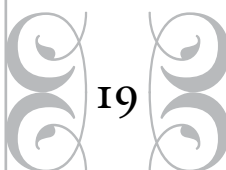
The mathematics program at Bloomfield High School has been designed to meet the requirements of the New Jersey Common Core Curriculum Content Standards. It is our objective to teach the skills and concepts for problem solving as well as fostering the logical thought process for analyzing complex everyday problems. A variety of college preparatory courses are offered at different levels including honors and AP. Although the material covered in each level is similar, the differences occur with respect to the pace and depth of the subject matter. Electives are also available, particularly in computer programming, for all levels.

Bloomfield Public Schools Mathematics K-12 Program/Course Sequence



Math

ToC



Mathematics



200111 **APPLIED ALGEBRA**

(9) 5 CR. PREREQUISITE: COUNSELOR REVIEW.

Students will cover Algebraic topics that include equations and functions, rational numbers, solving linear equations, proportional reasoning, graphing relations and functions, analyzing linear equations and solving linear inequalities.

040113 **ALGEBRA 1 CP**

(9-12) 5 CR. PREREQUISITE: COUNSELOR REVIEW.

This Course is a development of elementary algebra that emphasizes conceptual understanding while building fundamental skills. Algebra is approached as an extension of arithmetic. Students will be expected to understand problem solving, linear equations, inequalities in one variable, and word problems. Algebra 1 is a gatekeeper course which all students must pass to advance.

040314 **GEOMETRY HONORS**

(9) 5 CR. PREREQUISITE: CMP 2 WITH ENCORE ALGEBRA 1.

This course is designed for 9th grade students in an accelerated program, as a course in plane geometry with some aspects of solid geometry. The deductive method is instilled, and original thinking is encouraged. Coordinate methods of proof relate geometry and algebra.

040711 **COMPUTER GAME PROGRAMMING**

(9-12) 2.5 CR. PREREQUISITE: None.

This half year elective introduces students to the exciting discipline of computer programming through the development of video games. From the first day of class, students are building multimedia video games while learning fundamental programming concepts. Students will build classic video games (Missile Command, Robotron, PacMan) as well as develop their own original games.

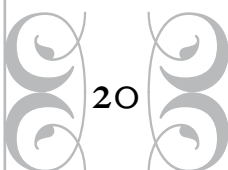
040721 **INTRODUCTION TO JAVA PROGRAMMING**

(9-12) 2.5 CR. PREREQUISITE: COMPUTER GAME PROGRAMMING OR EQUIVALENT.

This half year elective introduces students to the discipline of computer science through the JAVA programming language. In this project based class, students learn the basic principles of developing computer software: variables, objects, conditional statements, looping structures, arrays, methods, and OOP. While this course is most beneficial for students with strong interest in STEM, it promotes critical problem solving strategies that are valuable across many disciplines. Underclassmen interested in taking AP COMPUTER SCIENCE in the future, should consider enrolling in this course. Open to 9th, 10th, 11th, and 12th graders. No prerequisites.

Math

ToC



Physical Education & Health



Physical Education, Health and Driver Education

Department Supervisor: Steve Jenkins
sjenkins@bloomfield.k12.nj.us; x4170, 4171

Physical Education is mandated for every year a student attends high school. It is taught for three marking periods during the school year, and 3.75 credits. One marking period, 1.25 credits, is dedicated to Health (grades 9, 10, 12) or Drivers' Education (grade 10).

050111, 050121, 050131, 050141 **PHYSICAL EDUCATION**

3.75 CR.

Physical Education provides the development of physical skills, coordination, physical fitness, social and emotional growth, and a basic knowledge of the rules of many activities and sports. Students are engaged in 4-5 week units.

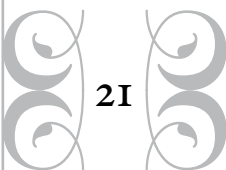
050211 **HEALTH 9**

(9) 1.25 CR.

Health provides information on anatomy, reproduction, methods of contraception, sexually transmitted diseases, interpersonal relationships and responsible behavior.

PE & Health

ToC



Science



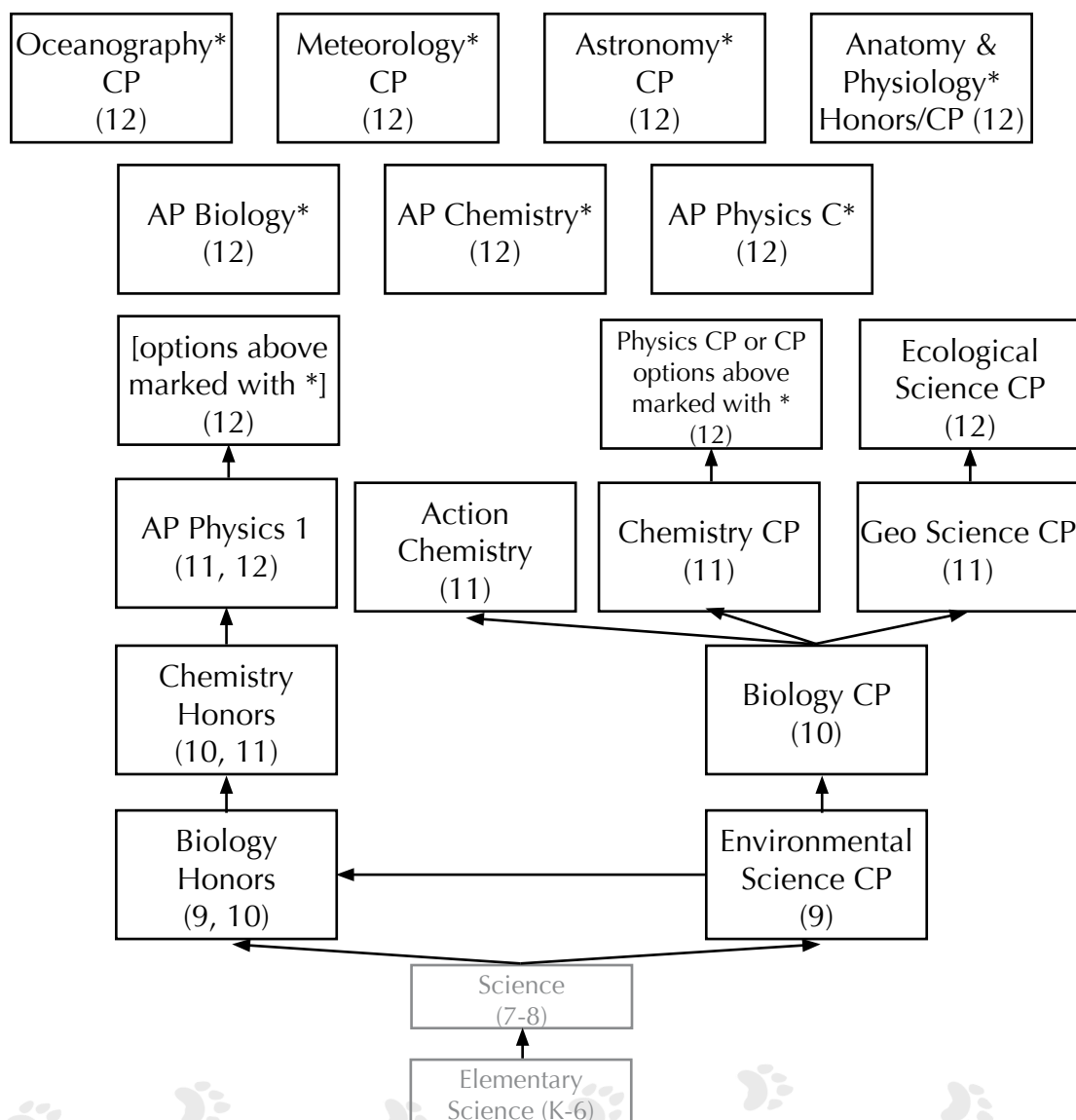
Science

Department Supervisor: Elizabeth Petrangeli
epetrangeli@bloomfield.k12.nj.us; x4581

The Science Department offers a comprehensive science program that focuses on physical, life and geologic areas of science. All students are required to complete 3 years of science but are encouraged to take 4 years of science.

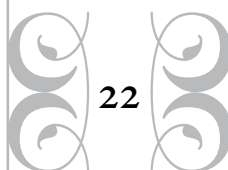
The teachers of the science department are dedicated to developing each student's knowledge of science that allows each student to make good decisions and solve problems based on scientific concepts. The fourth year science offerings include AP courses in chemistry, physics and biology, as well as courses in ecological science, anatomy and physiology, astronomy, oceanography, meteorology, and physics.

Bloomfield Public Schools Science K-12 Program/Course Sequence



Science

ToC





060113 ENVIRONMENTAL SCIENCE L/CP

(9) 5 CR. PREREQUISITE: TEACHER RECOMMENDATION.

Environmental science is a multidisciplinary field that draws from all other sciences, including: chemistry, biology, ecology, geography and the Earth sciences, to help achieve practical goals. Such goals include conservation and protection of natural resources, environmental education and communication and environmental research. Environmental science helps us to understand the connection between humans and the world in which we live. It allows us to identify and analyze environmental problems both natural and human-made, investigate threats associated with these problems, and explore strategies resolving and/or preventing these problems from occurring. Laboratory work is an integral part of this course.

060214 BIOLOGY L/HONORS

(9) 5 CR. PREREQUISITE: INTENSIVE SCIENCE, INTENSIVE MATHEMATICS, TEACHER RECOMMENDATION.

Biology L/Honors is designed for accelerated freshmen. The course includes topics in molecular biology, cellular biology, genetics, taxonomy, human systems, and ecology. Laboratory work is an integral part of this course.

TITLE 16 Education CHAPTER 16-22: Curriculum
SECTION 16-22-20

§ 16-22-20 Animal dissection and vivisection – Right to refuse – Alternate learning project required. – (a) A parent(s) or legal guardian of any student in a public or nonpublic primary or secondary school may refuse to allow their child to dissect or vivisection any vertebrate or invertebrate animal, or any part of a vertebrate or invertebrate animal. (b) A school that offers dissection or vivisection as a learning activity shall permit those students whose parent(s) or legal guardian refuse to allow them to participate to demonstrate competency through an alternative method of learning the material that would be covered in the activity. Alternative materials and methods may include but not be limited to: videotapes, models, films, books, computer programs, clay modeling or transparencies. (c) A teacher shall not discriminate against a student for not participating in dissection or vivisection and shall not lower a grade because a student's parent or legal guardian has chosen an alternative education project.

Dissections at Bloomfield High School are used as a component of life science classes to meet course objectives. All animal materials are used in a respectful manner. Each teacher will provide alternatives to actual dissection. The alternatives may include a computer simulation, a research project and a video presentation.

If you choose not to have your student take part in dissections, please notify the student's teacher in writing by September 15, 2014.



Social Sciences



Social Sciences

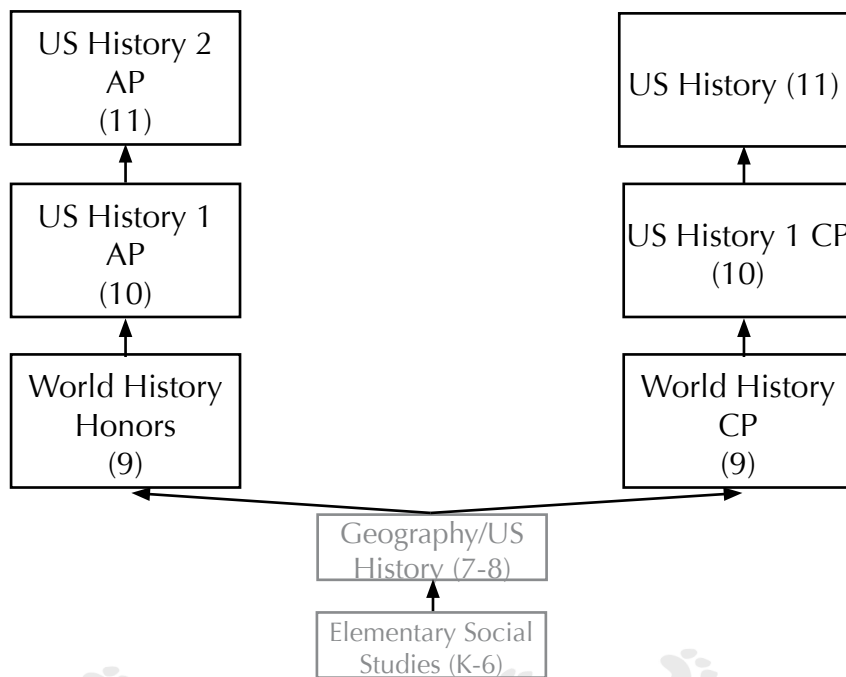
Department Supervisor: Elizabeth Petrangeli
 epetrangeli@bloomfield.k12.nj.us; x4581

The Social Science Department at Bloomfield High School offers a variety of courses, making us a truly comprehensive department. Our goal is to expose students to a range of topics, hoping to encourage an appreciation of the many issues that impact their lives. Through introspection, a cultivation of empathy, analysis, and evaluation, students will develop the skills necessary to succeed as productive citizens in society. Research papers are required in all courses.

Bloomfield Public Schools Social Studies K-12 Program/Course Sequence

*Electives

Economics* (11, 12)	History Through Media* (12)	Non-Western World 1 & 2* (10, 11, 12)	Criminal Justice* (11, 12)
Political Science* (11, 12)	Holocaust & Genocide* (11, 12)	Human Relations 1 & 2*	Sociology* (11, 12)
Anthropology* (11, 12)	US Government AP* (11, 12)	Law Enforcement* (10, 11, 12)	Bloomfield College Psychology* (12)



Social Sciences



Social Sciences



070113 **WORLD HISTORY CP**

(9) 5 CR. PREREQUISITE: COUNSELOR REVIEW.

A required course for graduation, WORLD HISTORY CP stresses the cause and effect relationship of those events and people that have shaped modern history. Beginning with a unit on the evolution of man the course moves through classical, medieval, and modern civilization, and concludes with a unit on global studies.

070114 **WORLD HISTORY HONORS**

(9) 5 CR. PREREQUISITE: RECOMMENDATION.

This course meets a state requirement in history. It is predicated on an analysis of interdependent systems throughout history: ecological, political, economic, social, and cultural. Research and writing are key elements for the study and comparisons of past civilizations, their rise and fall, and current world events.

Social Sciences

ToC



Special Services



Special Services Special Education Home Instruction

Department Supervisor: Keri Regina
kregina@bloomfield.k12.nj.us; x4116

The Department of Special Services encompasses the entire district. At the high school, there is a supervisor of Special Services, and two child study teams; consisting of a School Psychologist, Learning Disability Teacher Consultant, and a School Social worker. In addition, services are scheduled with a Speech Therapist. Small group instruction is offered to students as identified in their Individual Education Plan. In-class support classes are offered for academic subjects and are taught collaboratively with certified secondary content area teachers. Study strategies classes are scheduled for students who are receiving in-class support.

Students who fail to make an adequate school adjustment, emotionally, socially, academically, or physically, are brought to the attention of the child study team. Usually administrators or teachers refer students through the Intervention and Referral Services (I&RS) committee for review when difficulties are noted. Parents and students themselves seek some assistance when they realize a problem exists. After a screening process if I&RS has indicated a referral is necessary, the child Study Team must obtain parent approval before proceeding with the referral. Once parents approve the referral, the Child Study Team proceeds with the required evaluations to determine if the student is educationally handicapped and in need of special education.

The Child Study Team, the School Counselor, other appropriate staff, and the students' parents meet to discuss the results of the evaluation. In those instances where the findings so indicate, the student is classified as educationally handicapped. The Team, the School Counselor, parent(s) and teacher(s) then devise an Individualized Education Plan (IEP) to meet the specific needs of the student. The IEP is reviewed annually with the parents. Usually a plan is developed with staff and parents to assist the student, utilizing other resources in the school system and community.

Home Instruction is monitored by the Department of Special Services. Individual instruction is provided for students confined to home or hospital for physical disability, illness or injury; or when such confinement is recommended for psychological or psychiatric reasons.



World Languages



World Languages

Department Supervisor: Elizabeth Petrangeli
epetrangeli@bloomfield.k12.nj.us; x4581

Global communication has become increasingly more important as we continue our journey into the new millennium. The study of languages provides a gateway to understanding people and cultures from around the world and serves to prepare our students to function in a multicultural environment. Languages offered at Bloomfield High School include Spanish, French, and Italian. All courses in the department are sequential, full year courses in which communicative skills as well as the cultural aspects of the target country and its people are emphasized. Language instruction will focus on the interpretive, interpersonal, and presentational modes of communication. Using this approach, students will be able to interpret and understand spoken and written language, participate in direct oral and written communication, and make presentations in the target language.

110313 FRENCH 1 CP

(9-11) 5 CR. PREREQUISITE: ENROLLMENT ENGLISH CP.

This course focuses on the development of the ability to communicate in French using the three modes of communication: the interpretive, the interpersonal, and the presentational. The aim is to develop the student's ability to understand, speak, read and write French. An introduction to the culture of the francophone world is also included.

110113 SPANISH 1 CP

(9-11) 5 CR. PREREQUISITE: NONE. The overall goal of this course is to develop the student's ability to understand, speak, read, and write in Spanish by using the three communicative language modes. In order to foster meaningful communication, the fundamentals of pronunciation, aural comprehension, oral expression, vocabulary, grammar and composition are provided. Opportunities to learn about and explore the culture of Spanish speaking countries are also emphasized throughout this course.

110213 ITALIAN 1 CP

(9-11) 5 CR. PREREQUISITE: ENROLLMENT ENGLISH CP.

The focus of this course is to develop the ability to communicate in Italian using the interpretive, interpersonal, and presentational modes of communication. This beginning level course provides the necessary fundamentals of vocabulary and grammar to develop the student's ability to understand, speak, read and write in Italian. The study of the Italian culture is an important element of this course.

1101N3 SPANISH 1 NATIVE SPEAKERS CP

(9-10) 5 CR. PREREQUISITE: RECOMMENDATION.

SPANISH 1 NATIVE SPEAKERS is a college preparatory course designed to meet the needs of students who have attained mastery in speaking Spanish, but require continued study in grammar, vocabulary, and writing. Enrollment is determined by testing through the World Language Department.





Bloomfield High School Directory

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Cynthia Schirm, Asst. Principal	cschirm@bloomfield.k12.nj.us	x4139
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Science	Elizabeth Petrangeli	epetrangeli@bloomfield.K12.nj.us	x4581
Social Science	Elizabeth Petrangeli	epetrangeli@bloomfield.K12.nj.us	x4581
Special Education	Keri Regina	kregina@bloomfield.K12.nj.us	x4116
World Languages	Elizabeth Petrangeli	epetrangeli@bloomfield.K12.nj.us	x4581

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Directory

ToC

