

BOGOTA JR/SR HIGH SCHOOL

Bogota, New Jersey



2023-2024

Course Catalog and Program of Studies

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Key Staff

District Administration

Superintendent	Damian Kennedy
Business Administrator	Irfan Evcil
Supervisor of Pupil Personnel Services	Chelsea Nagurka
Director of Research, Planning, Evaluation, and Testing	Samuel Chiang
Technology Coordinator	Frank Calero

School Administration

Principal	Jeannie Paz
Vice-Principal	Malcolm Lash
Athletic Director	Brad DiRupo

Guidance Department

Guidance Counselor (11th-12th grades)	Tara Amanna
Guidance Counselor (9th-10th grades)	Peter Russo
Guidance Counselor (7th-8th grades)	Evan Arlington

Department Chairs

Math Department Chair	Joanne Hrabovsky
Science Department Chair	Steven Kordosky
English Department Chair	Shannon Atempa
Social Studies Department Chair	Thomas Hughes
Fine & Performing Arts Department Chair	Brian O'Boyle
Physical Education Department Chair	Brian Appleton

Graduation Course Requirements

Total Required Credits: 120	Additional Information
4 years or 20 credits in English	aligned to grades nine through twelve standards;
3 years or 15 credits in Mathematics	including Algebra I or the content equivalent; geometry or the content equivalent; and a third year of mathematics that builds on the concepts and skills of algebra and geometry
3 years 15 credits in Social Studies	including satisfaction of N.J.S.A. 18A:35-1 and 18A:35-2; five credits in world history; integration of civics, economics, geography, and global content in all course offerings
3 years or 15 credits in Science	five credits in laboratory biology/life science or the content equivalent; one additional laboratory/inquiry-based science course, which shall include chemistry, environmental science, or physics; and one additional laboratory/inquiry-based science course
5 credits in health, safety, and physical education	during each year of enrollment , distributed as one hundred fifty minutes per week, as required by N.J.S.A. 18A:35-5, 7, and 8
10 credits in visual and performing arts	N/A
2 years or 10 credits in world languages or successful completion of language proficiency	or student demonstration of proficiency as set forth in N.J.A.C. 6A:8-5.1(a)2ii(2); AAPL test in all areas; must meet Seal of Biliteracy standards
2.5 credits in financial, economic, business, and entrepreneurial literacy;	
Technological literacy, consistent with the NJSLS, integrated throughout the curriculum;	
Electives as determined by the high school program sufficient to total a minimum of 12.5 credits.	

Graduation Assessment Requirements (Class of 22)

Pathways Available	English Language Arts/Literacy	Mathematics
First Pathway: Take and Pass a NJSLA Test	Take and Pass NJSLA ELA Grade 10 \geq 750 (Level 4)	Take and Pass NJSLA Algebra I \geq 750 (Level 4) 7

Pathways Available	English Language Arts/Literacy (ELA)	Mathematics
Second Pathway: Meet Designated Cut Score One of the Alternative Assessments	<p>NJSLA ELA Grade 9 \geq 750 (Level 4), or</p> <p>NJSLA ELA Grade 11 \geq 725 (Level 3), or</p> <p>SAT Critical Reading (taken before 3/1/16), or</p> <p>SAT Evidence-Based Reading and Writing Section (taken 3/1/16 or later), or</p> <p>SAI Reading Test (taken 3/1/16 or later), or ACT Reading or ACT PLAN Reading⁹, or ACCUPLACER WritePlacer, or</p> <p>ACCUPLACER WritePlacer ESL, or</p> <p>PSAT10 Reading or PSAT/NMSQT Reading (taken before 10/1/15), or</p> <p>PSAT10 Reading or PSAT/NMSQT Reading (taken 10/1/15 or later), or</p> <p>ACT Aspire Reading⁹, or</p> <p>ASVAB-AFQT Composite</p>	<p>NJSLA Geometry \geq 725 (Level 3), or</p> <p>NJSLA Algebra II \geq 725 (Level 3), or</p> <p>SAI Math (taken before 3/1/16), or</p> <p>SAT Math Section (taken 3/1/16 or later), or SAT Math Test (taken 3/1/16 or later), or ACT or ACT PLAN Math⁹, or</p> <p>ACCUPLACER Elementary Algebra, or</p> <p>Next-Generation ACCUPLACER Quantitative, Reasoning, Algebra, and Statistics (QAS) (beginning January 2019)¹⁰, or</p> <p>PSAT10 Math or PSAT/NMSQT Math (taken before 10/1/15), or</p> <p>PSAT10 Math or PSAT/NMSQT Math (taken 10/1/15 or later), or</p> <p>ACT Aspire Math⁹, or</p> <p>ASVAB-AFQT Composite</p>
Third Pathway: Portfolio Appeals	Meet the criteria of the NJDOE Portfolio Appeal for ELA	Meet the criteria of the NJDOE Portfolio Appeal for Math

Mathematics Department

Math 7

Credits: N/A
Prerequisite: Math 6
Grades: 7
Length: Full Year

This is a full year course. Mathematics for the seventh grade is intended to reinforce and promote mastery of the skills previously taught, introduce new concepts and prepare students to transfer this knowledge to real life situations. Students are expected to have working knowledge of whole numbers, fractions, decimals, percents, ratios, and proportions, basic geometry and statistics. The course will include an introduction to Basic Algebra. Problem solving strategies will be stressed throughout the course. The course will incorporate and review the topics needed on the district and/or state mandated test.

Math 7 Resource

Credits: N/A
Prerequisite: Math 6
Grades: 7
Length: Full Year

This is a modified 7th grade class for special education students. Topics include:

- The Real Numbers
- Algebraic Expressions
- Equations and Inequalities
- Ratios, Proportions, and Percents
- Functions & Linear Relationships

Math 8 Resource

Credits: N/A
Prerequisite: Math 7
Grades: 8
Length: Full Year

This is a modified 8th grade class for special education students. Topics include:

- Algebra Basics
- Multi-step Equations and Inequalities
- Relations and Functions
- Linear Equations
- Direct and Inverse Variation
- Systems of Equations and Inequalities

Math 7 Honors

Credits: N/A
Prerequisite: B+ or above in Math 6, Teacher
Recommendation Grades: 7
Length: Full Year

This is a full year course. Honors is the study of expressions involving letters that represent numbers. The student uses past knowledge of arithmetic to solve more difficult problems. The following topics are included:
-rational numbers, -irrational numbers-ratios & proportions, -expressions, equations & inequalities. -analyze & solve linear equations-statistics & probabilities
Problem solving techniques are applied throughout the year. The course will incorporate and review the topics needed on the district and/or state mandated tests. Algebra I Honors will expand the standard course to include more complex problems on a variety of topics.

Math 8

Credits: N/A
Prerequisite: Math 7
Grades: 8
Length: Full Year

This is a full year course. Mathematics for the eighth grade is intended to reinforce and promote mastery of the skills previously taught, introduce new concepts and prepare students to transfer this knowledge to real life situations. Students are expected to have working knowledge of whole numbers, fractions, decimals, percents, ratios, proportions, basic algebra, basic geometry, and statistics. The course will include the foundation of Algebra, including expressions, equations, and functions. The course will also introduce some Geometry concepts, including the Pythagorean Theorem and volume. Problem solving strategies will be stressed throughout the course. The course will incorporate and review the topics needed on the district and/or state mandated test.

Concepts of Algebra

Credits: 5
Prerequisite: Math
8 Grades: 9
Length: Full Year

This is a full year course. Concepts of Algebra focuses on fundamental skills needed to excel in Algebra 1. The following topics are included: negative numbers, fractions, order of operations, equations, inequalities, proportions, slope, exponents, polynomials, and quadratics. This course will also cover problem solving skills and techniques to strengthen students' mathematical literacy.

Algebra I Honors

Credits: 5
Prerequisite: B or above in Math 7 Honors, A in Math 8, Teacher Recommendation
Grades: 8 and 9
Length: Full Year

This is a full year course. Algebra is the study of expressions involving variables that represent numbers. Students will apply prior mathematical knowledge to solve more difficult problems. The following topics are included: rational and irrational numbers, equations, polynomials, polynomial operations, linear and quadratic graphing, and inequalities. Problem solving techniques are applied throughout the year. The course will incorporate and review the topics needed on the district and/or state mandated tests. Algebra I Honors will expand the standard course to include more complex problems on a variety of topics.

Algebra I

Credits: 5
Prerequisite: Math
8 Grades: 9-10
Length: Full Year

This is a full year course. Algebra I is the study of expressions involving letters that represent numbers. The student uses past knowledge of arithmetic to solve more difficult problems. The following topics are included: negative numbers, irrational numbers, equations, polynomials, polynomial operations, and inequalities. Problem solving techniques are applied throughout the year. The course will incorporate and review the topics needed on the district and/or state mandated tests.

Geometry

Credits: 5
Prerequisite: Algebra
I Grades: 10-12
Length: Full Year

This is a full year course. Geometry is a mathematical system with three objectives. Geometry provides practice with logical deduction, uniquely connects mathematics with the real physical world and enables ideas from other areas of mathematics to be pictured. The course will include traditional geometry, coordinate geometry and transformational geometry. The course will incorporate and review the topics needed on the district and/or state mandated tests.

Geometry Honors

Credits: 5
Prerequisite: Algebra I Honors, Teacher
Recommendation Grades: 9-10
Length: Full Year

This is a full year course. Geometry is a mathematical system with three objectives. Geometry provides practice with logical deduction, uniquely connects mathematics with the real physical world and enables ideas from other areas of mathematics to be pictured. The course will include traditional geometry, coordinate geometry and transformational geometry. Honors Geometry will expand the standard geometry course with a wider variety of figures and more applications. More rigors will be applied in proofs. The study of three- dimensional geometry, areas and volume will be expanded and more difficult problems of transformation and coordinates will be undertaken. The course will

incorporate and review the topics needed on the district and/or mandated tests.

Algebra II

Credits: 5
Prerequisite: Algebra I, Geometry
Grades: 11-12
Length: Full Year

This is a full year course. This course extends the material learned in Algebra I to include exponents, the function concept, logarithms and exponential functions. Other areas of concern include quadratic, inequalities, complex numbers, sequences, series and matrix operations. Problem solving techniques are applied throughout the course. The course will also incorporate and review the topics needed on the district and/or state tests.

Algebra II Honors

Credits: 5
Prerequisite: Algebra I, Geometry, Teacher Recommendation
Grades: 10-11
Length: Full Year

This is a full year course. This course extends the material learned in Algebra I to include exponents, the function concept, logarithms and exponential functions. Other areas of concern include quadratic, inequalities, complex numbers, sequences, series and matrix operations. Problem solving techniques are applied throughout the course. The Honors course will expand the standard course to include more complex problems on a variety of topics. The course will also incorporate and review the topics needed on the district and/or state tests.

Essentials of Algebra II

Credits: 5
Prerequisite: Teacher Recommendation
Grades: 11-12
Length: Full Year

This is a full year course. This course extends the material learned in Algebra I to include real number systems properties, linear equations and inequalities, systems of equations, matrices, polynomial and radical expressions, quadratic functions and basic trigonometry. Technology will provide a wide range of materials to meet a variety of learning styles, interests and abilities. The students will be exposed to up-to-date, accurate information that will be easy to understand and applicable to them. The addition of new materials into the course will complement class instruction.

Honors Precalculus/Trigonometry

Credits: 5
Prerequisite: B in Algebra II / B in Geometry, Teacher Recommendation
Grades: 11-12
Length: Full Year

This is a full year course. The Trigonometry section of this course stresses the mathematical skills necessary to solve triangles both in isolation and in real life situations. The Senior Mathematics section integrates and further develops the mathematical concepts and skills of Algebra II. Included in the course are composite functions, logarithmic equations, matrix algebra, derivatives, sequences, series and probability. Students can elect to receive Middle College credit. This means that students can receive college credit through FDU by paying a nominal tuition fee and receiving a class average of a "C" or better.

Honors Calculus

Credits: 5

Prerequisite: B in Honors Pre-Calculus/Trigonometry, Teacher Recommendation

Grades: 12

Length: Full Year

This is a full year course. The primary goal of this course is to introduce the student to Calculus and present him/her with the basic concepts used in engineering, economics, life sciences, mathematics and the physical sciences. A secondary aim is to incorporate previously learned mathematics and to include new concepts of Analytical Geometry. Application problems are included throughout the year. Students can elect to receive Middle College credit. This means that students can receive college credit through FDU by paying a nominal tuition fee and receiving a class average of a "C" or better.

AP Statistics

Credits: 5

Prerequisite: B+ in Algebra II, Teacher

Recommendation Grades: 12

Length: Full Year

This is a full year course. The purpose of Advanced Placement Statistics 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. First, they will learn to explore data by observing patterns and departures from patterns. Second, they will be able to plan a study by deciding what and how to measure. Third, they will be able to anticipate patterns by producing models using probability and simulation. Fourth, they will be able to use statistical inference by confirming models. Students can elect to receive Middle College credit. This means that students can receive college credit through FDU by paying a nominal tuition fee and receiving a class average of a "C" or better.

Elements of College Algebra

Credits: 5

Prerequisite: C+ in

Algebra II Grades: 12

Length: Full Year

This is a full year course. This course is a senior elective for students preparing to enter college in the fall and want to maintain and enhance their mathematical skill. The course will include a wide variety of topics such as advanced algebra, theory of equations, elementary functions, basic probability and statistics. Students can elect to receive Middle

College credit. This means that students can receive college credit through FDU by paying a nominal tuition fee and receiving a class average of a "C" or better.

SAT Math

Credits: 2.5
Prerequisite: Algebra I,
Geometry Grades: 11
Length: Half Year

This is a $\frac{1}{2}$ year course. Familiarize students with the format of the new SAT. Review strategies to enhance student performance on the test. Students will practice basic Algebra and Geometry problems as they apply to the SAT test. The course will also incorporate a general review of topics to include basic probability, data analysis, radical equations, negative exponents, functional notation, linear and quadratic functions, matrices, geometric notation, triangles and circles. Students will practice SAT type problems to provide practice for each topic. Students will also take a practice times test by section.

Mathematics Accuplacer

Grades: 12
Length: Half Year

This is a $\frac{1}{2}$ year course. Students who do not meet any of the other graduation requirements (see requirements [here](#)), are required to take this course. They currently must pass the Next-Generation ACCUPLACER Quantitative Reasoning, Algebra, and Statistics (QAS) test with a 255 or higher. The course consists of preparation for this exam during the first half of the semester, and taking the actual test and studying during the second half.

BSI Math (All Grades)

Credits: 5
Prerequisite: None
Grades: 9, 10, 11, 12
Length: Full Year

This is a full year course. Students will work on fundamental math skills to improve their mathematical abilities. Students will work on basic Algebra I problems involving negative numbers, fractions, order of operations, equations, inequalities, proportions, slope, exponents, polynomials, and quadratics. Students will work on basic Geometry problems involving traditional geometry, coordinate geometry and transformational geometry. Students will work on basic Algebra II problems involving exponents, the function concept, logarithms, exponential functions, quadratic functions, inequalities, complex numbers, sequences, series and matrix operations.

Science Department

Integrated Science 7

Credits: N/A
Prerequisite: 6th Grade Science
Grades: 7
Length: Full Year

This is a full year course. Integrated 7th grade science is designed to provide students with a general knowledge of life, physical, and Earth sciences according to the NGSS (Next Generation Science Standards).
This course adheres to New Jersey Student Learning Standards and the New Jersey Student Learning Assessment - Science

Integrated Science 8

Credits: N/A
Prerequisite: 7th Grade Science
Grades: 8
Length: Full Year

This is a full year course. Integrated 8th grade science is designed to provide students with a general knowledge of life, physical, and Earth sciences according to the NGSS (Next Generation Science Standards).
This course adheres to New Jersey Student Learning Standards and the New Jersey Student Learning Assessment - Science

Integrated Science 8 Honors

Credits: N/A
Prerequisite: B+ average and 7th Grade Science teacher recommendation
Grades: 8
Length: Full Year

This is a full year course. This course encompasses all areas of the Integrated 8th grade science course, but in significantly greater depth and at a quicker pace. Integrated 8th grade science honors are designed to provide students with a general knowledge of life, physical, and Earth sciences according to the NGSS (Next Generation Science Standards) as well as challenging them with independent projects and labs centered around research, problem solving and critical thinking.

This course adheres to New Jersey Student Learning Standards and the New Jersey Student Learning Assessment - Science

Integrated Biology I

Credits: 5
Prerequisite: Successful completion of Middle School science.
Grades: 9-12
Length: Full Year

This is a full year course. Integrated Biology I is a course designed to provide students with general knowledge of the structural and functional patterns of living organisms. Major emphasis is placed upon cell biology, evolution, genetics and environmental issues. Related concepts from Earth and Space science as well as the Physical sciences are integrated into the course work. Students will develop an understanding of the relevance of Biology to their life. Biological concepts are used to evaluate actions taken by people to improve daily life. The students are expected to develop research skills and improve their ability to investigate problems scientifically both in and out of the laboratory in accordance with NGSS (Next Generation Science Standards). This course adheres to New Jersey Student Learning Standards and the New Jersey Student Learning Assessment - Science.

Integrated Biology I Honors

Credits: 5

Prerequisite: B+ average in previous science course and teacher recommendation
Grades: 9-10

Length: Full Year

This is a full year course. Integrated Honors Biology I is designed for the very motivated student with a special interest in science that is ready to commit extra time to extensive independent work. This course encompasses all areas of the general biology course, but in significantly greater depth and at a quicker pace. There is special emphasis in the fields of cell biology, genetics, evolution, biotechnology and microbiology. Related concepts from Earth and Space science as well as the Physical sciences are integrated into the course work.. Laboratory investigations focused around critical thinking are emphasized in accordance with NGSS (Next Generation Science Standards). This course adheres to New Jersey Student Learning Standards and the New Jersey Student Learning Assessment - Science.

Integrated Chemistry I

Credits: 6

Prerequisite:

Grades: 10-12

Length: Full Year

Chemistry is a full year laboratory course, which provides students with a working knowledge of atomic theory, chemical periodicity, the mole concept and energy changes in chemical reactions. Extensive laboratory work and problem solving are used to develop an understanding of how math and science are related, careers in science, integrating historical accounts of many scientific discoveries, use of the periodic chart, chemical nomenclature and bonding, balancing chemical equation, the gas laws and acids and bases. This course is recommended for students anticipating careers in the sciences, medicine and engineering. It is also the appropriate course for college bound liberal arts students hoping for acceptance at a competitive college. This course is part of a science sequence that includes biology and physics. This course adheres to the New Jersey Student Learning Standards and the Next Generation Science Standards (NGSS).

Integrated Chemistry I Honors

Credits: 6

Prerequisite: B+ average in previous science course and teacher recommendation

Grades: 10-12
Length: Full Year

This is a full year course. Honors Chemistry provides students with working knowledge of atomic theory, chemical periodicity, the mole concept and energy changes in chemical reactions. Extensive laboratory work and problem solving are used to develop understanding of equilibrium, rates of reaction, stoichiometry, oxidation-reduction, acids and bases, chemical nomenclature, the periodic chart, dimensional analysis, metrics, organic chemistry, and nuclear chemistry. Integrated readings coincide with the various units of study. This course is recommended for students anticipating careers in sciences, medicine or engineering. It is also the appropriate course for college bound, liberal arts students hoping for acceptance at a competitive college. This course encompasses all areas of the general chemistry course, but in significantly greater depth. This course adheres to the New Jersey Student Learning Standards and the Next Generation Science Standards (NGSS).

Chemistry in the Community

Credits: 6
Prerequisite:
Grades: 10-12
Length: Full Year

Chemistry in the Community is a full year laboratory course, which provides students with a working knowledge of atomic theory, chemical periodicity, the mole concept and energy changes in chemical reactions. This course contains a practical laboratory component with an emphasis on the applications of chemical concepts to real life situations, intended to produce science-literate citizens. Content includes discussion of careers in science, integrating historical accounts of many scientific discoveries, use of the periodic chart, chemical nomenclature and bonding, balancing chemical equations, the gas laws, acids and bases, and biochemistry. This course is part of a science sequence that includes biology and physics. This course adheres to the New Jersey Student Learning Standards and the Next Generation Science Standards (NGSS).

Integrated Physics I

Credits: 6
Prerequisite: Integrated Chemistry I or Integrated Chemistry I
Honors Grades: 11-12
Length: Full Year

This is a full year course. Physics is nothing more or less than an attempt to understand the universe, from the interactions of subatomic particles, to the fate of colliding galaxies. Topics covered include conceptual study of Motion, Forces, Energy, Waves, Electricity and the physics of Earth and Space Science. Practical applications, such as the physics of sports, music, technology, and driving an automobile, keep the content relevant. Active learning, formal and informal laboratory work, hands-on team and individual projects, and scientific inquiry are emphasized. Science and engineering practices are incorporated throughout the course. The scientific literacy and critical thinking skills developed in this course will serve students as they move on to post-high school life. This course adheres to the New Jersey Student Learning Standards and the Next Generation Science Standards.

Integrated Physics I Honors

Credits: 6

Prerequisite: B+ in previous science course, B+ in Geometry Honors or Algebra II Honors, and teacher recommendation required.

Grades: 11-12

Length: Full Year

This is a full year course. This course is recommended for students anticipating careers in sciences, medicine or engineering. It is also the appropriate course for college bound, liberal arts students hoping for acceptance at a competitive college. This course encompasses all areas of Integrated Physics I, but in significantly greater depth and with more mathematical content. Physics is nothing more or less than an attempt to understand the universe, from the interactions of subatomic particles, to the fate of colliding galaxies. Topics covered include conceptual and quantitative study of Motion, Forces, Energy, Waves, Electricity and the physics of Earth and Space Science. Practical applications, such as the physics of sports, music, technology, and driving an automobile, keep the content relevant. Active learning, formal and informal laboratory work, hands-on team and individual projects, and scientific inquiry are emphasized. Science and engineering practices are incorporated throughout the course. The scientific literacy and critical thinking skills developed in this course will serve students as they move on to post-high school life. This course adheres to the New Jersey Student Learning Standards and the Next Generation Science Standards.

Anatomy and Physiology (Biology II Honors)

Credits: 6

Prerequisite:

Grades: 11-12

Length: Full Year

This is a full year course. Admission is through teacher recommendation and approval by the department supervisor. Students who are presently in Honors Chemistry and have maintained a B or better in each quarter and on their exam are admitted automatically should they elect to take this course. This course will investigate the structure and physiology of the eleven organ systems of the human body. Laboratory experiments include work with cells and tissues, and comparative anatomical dissections and observations of various mammals. The text material contains a wide range of topics and general information that is relevant to the health and well-being of students. A research report and/or project on some aspect of human anatomy and physiology is a course requirement each marking period. Biology II is aligned with the New Jersey Student Learning Standards and is middle college accredited. This means that students can receive college credit through FDU by paying a nominal tuition fee and receiving a class average of a "C" or better.

AP Biology

Credits: 6

Prerequisite: Successful Completion of Integrated Biology, Integrated Chemistry and Anatomy and Physiology (Suggested)

Grades: 11-12

Length: Full Year

This is a full year course. Biology AP is designed for highly motivated students who have a desire to pursue college level Biology in a high school setting. AP Biology covers the full spectrum of life science. It is a fast paced course that requires the student taking on a lot of individual responsibility and research. Students will be expected to be able to devote extra time to independent study, extra lab work and possible extra class meetings. College credit for the successful completion of this course can be granted on attaining a score of at least a "3" on the national AP test in Biology.

Engineering

Credits: 5

Prerequisites: Obtain a B in previous year science and math classes (or C if previous classes were Honors level), and teacher recommendation.

Grades: 9-12

Length: Full Year

This is a full year course. Engineering has great power to improve people's lives. This course introduces the engineering design cycle and sets high expectations for 21st century collaboration skills as well as an emphasis on safety in the engineering laboratory. Students learn to improve designs and communicate with stakeholders. Engineering ethics and economics provide an important platform as we envision a better world. The course guides students through ethical decision making throughout the design cycle. Our world faces threats from disease, war, climate change, overpopulation, food and water scarcity, poverty, cyber security, demand for energy, declining infrastructure, and nuclear terror. We also hope for a future of security, peace, health, and abundance for all. Today's youth will play a significant role in designing solutions to the former, and optimizing our chances for the latter. Students will learn to look for ways they can help, and to find others in the community to serve as collaborators as the class designs, refines, and implements a solution to a section of a grand-scale challenge. This course adheres to the New Jersey Student Learning Standards and the Next Generation Science Standards.

Forensic Science

Credits: 2.5

Prerequisite: One year of a lab based science

Grades: 9-12

Length: Half Year

This is a $\frac{1}{2}$ year course. Forensic Science is an introductory level course that introduces students to forensic techniques as well as their relevance to the judicial system. Activities are hands on and inquiry based with an emphasis on problem solving and critical thinking. Students who have completed forensic science are urged to take Criminal Justice as a complementary course.

Nutritional Science

Credits: 2.5

Prerequisite:

Grades: 9-12

Length: Half Year

This is a 1/2 year course. Nutritional Science is an introductory level course that introduces students to basics of sensible and safe food choices related to the science of nutrition for the achievement and maintenance of nutritional well being throughout life. Activities are hands on and inquiry based with an emphasis on problem solving and critical thinking.

Astronomy

Credits: 2.5
Prerequisite:
Grades: 9-12
Length: Half Year

This course will cover all we know about space and time! From the big bang to the big question, will the universe end in fire or ice? From edge to edge of our expanding (for now!) universe, what do astronomers know? We will answer your burning questions about the cosmos: How are stars born, and what happens when they die? What in Star Trek might be possible? What is a supernova? The Kuiper Belt? What outside the work was Oumuamua, the first known interstellar object to travel through our solar system? Is there life outside of Earth? What makes auroras? What is NASA up to? Elon Musk and SpaceX? What do they actually do on the International Space Station? We'll learn about the comets, asteroids, planets, and moons (not just our own!) where unmanned ships have landed, and collected data and photographs. We will contribute even contribute to what is known about the cosmos via citizen science, helping astronomers analyze real data. The universe will be ours to explore!

Horticulture (gardening)

Credits: 2.5
Prerequisite:
Grades: 9-12
Length: Half Year

Let's grow! Our own organic, healthy, delicious produce (talk about eating local!). Beautiful flowers, for bouquets, gifts, your own garden or windowsill. Oooo, pouring over the gorgeous photos on garden company websites! Which houseplants can clean the air in your home? What growing conditions do different plants require? From seed selection and planting, maintenance and propagation, to harvesting the fruits and flowers of your efforts, you will learn to plan and grow your own garden, for part of a yard or a tiny windowsill. Bonuses: gardening is good exercise, and relieves anxiety as well! Horticulture combines the science of botany with the art of beautiful plants. Let's paint with plants!

Robotics
Credits: 5 Prerequisite: None Grades: 9-12 Length: Full Year
The construction, design, troubleshooting and programming of robots using VEX EDR products. Students will work with the Engineering Design process and design robots to solve real-life problems.
STEM
Credits: N/A Prerequisite: None Grades: 7 Length: Semester
This is a semester course. The main objective of this course is to create enhanced activities that involve science, technology, engineering, and math. Students will learn about different STEM careers as well as build and design different STEM projects.
STEM
Credits: 2.5 or 5 credits Prerequisite: None Grades: 8 Length: Half Year or Full Year
This is a half year course. The main objective of this course is to create enhanced activities that involve science, technology, engineering, and math. Students will also gain a better understanding of different real world applications and projects involving STEM.

Introduction to Computer Science
Credits: 5 Prerequisites: N/A Grades: 9-12 Length: Full Year
This is a full year course that introduces computer science using python. Students use an online learning platform to learn about coding and practice those skills. The course guides students through different code practices throughout each module unit. This course adheres to the New Jersey requirement for a computer science course.

English Department
English 7

Credits: N/A
Prerequisite: ELA
6 Grades: 7
Length: Full Year

This is a full year course. 7th grade English focuses on creating a solid foundation in language arts skills. The year will cover the most important academic aspects of language arts: reading, writing, vocabulary development, research skills, grammar, and oral communication. Using reading as a starting point, students will engage with a variety of texts, both fiction and nonfiction. Students will read and work with short novels such as *Freak the Mighty*, *Esperanza's Rising*, *Maniac Magee*, *A Christmas Carol*, *The Call of the Wild*, *Black Ships Before Troy*, *The Outsiders*, *The Wanderings of Odysseus*, and independent reading novels. Students will also engage with a variety of nonfiction articles as well as the Shakespearean play *A Midsummer Night's Dream*. Students will respond critically by writing in a range of styles: expository/informational, argumentative, and narrative. Students will learn how to research and cite evidence in their writing. Students will also review and practice grammar and mechanics to improve the clarity and expression of their writing.

English 8

Credits: N/A
Prerequisite: ELA
7 Grades: 8
Length: Full Year

This is a full year course. English 8 is a comprehensive course designed to prepare middle school learners for the study of literature and writing before entering high school. Students learn vocabulary through literature and grammatical skills through both practice and writing. Students read a variety of literature, including poetry, short stories from a variety of cultures and authors, Holocaust literature, and William Shakespeare's *Romeo and Juliet*. Students engage in a variety of writing practices throughout the year, including daily writing that draws on both creative and critical thinking skills. Students learn the various parts of the writing process, and learn to continuously improve their work for both content and grammatical structure.

English 8 Honors

Credits: N/A
Prerequisite: B+ average in ELA 7 and teacher recommendation
Grades: 8
Length: Full Year

Similar to English 8, the Honors course differs in that it will require more independent reading, deeper analysis of literature, and proficient writing skills than a regular level course.

English I

Credits: N/A
Prerequisite: ELA
7 Grades: 9

Length: Full Year

This is a full year course. Freshmen year will be a journey of discovery through multi-cultural writings and readings, leading students to a deeper understanding of themselves and the world in which they live. Some of the readings will serve to engage students to connect the past to the present and possibly providing suggestions for a better future. Literature should help students respond empathically to the choices others make as well as navigate and make good decisions in their own lives. Through expression on paper and engaging conversations, students will be challenged to think critically and creatively, forming and reforming ideas and opinions that will help them to be good thinkers and writers. The mechanics of this class will be tools provided by the teacher in order to investigate the meanings of writers. Understanding and writing about literature is a practice, not a destination. Freshmen English is aimed at developing curious, happy, thoughtful, and confident students that look forward to learning.

English I Honors

Credits: 5
Prerequisite: ELA 8, teacher recommendation
Grades: 9
Length: Full Year

Similar to English I, the Honors course differs in that it will require more independent reading, deeper analysis of literature, and proficient writing skills than a regular level course.

English II

Credits: 5
Prerequisite:
English I Grades: 10
Length: Full Year

This is a full year course. This course increases student skills in language, literature, and composition. In addition, it places a greater emphasis on the development of literary appreciation as it specifically relates to American authors. Included in this appreciation is an awareness of other aspects of American life - economic, social, political, religious, and philosophical. These areas correlate to the development of the nation as a whole. A polishing of writing skills includes exposure to various types of writing such as essays, journals, book reviews, and literature-based responses. American literature is studied thematically and/or chronologically from the Puritan-Colonial Period through the Twentieth Century utilizing short story, novel, poetry, drama, and nonfiction selections. Vocabulary study and state testing preparation are developed in units as well as through infusion with literature study.

English II Honors

Credits: 5
Prerequisite: English I Honors, teacher recommendation
Grades: 10
Length: Full Year

Similar to English II, the Honors course differs in that it will require more independent reading, deeper analysis of literature, and proficient writing skills than a regular level course.

English III

Credits: 5
Prerequisite: English
II Grades: 11
Length: Full Year

This is a full year course. The 11th Grade course will analyze and interpret British Literature. The course is designed to equip students with the knowledge and skills to read and comprehend complex texts. Students will develop critical reading skills to analyze and evaluate text. They will reflect upon and respond to text, and develop and support arguments. Through critical reading and analysis, they will analyze text to gain meaning and synthesize ideas. Students will apply conventions of grammar and language usage. English III is a survey course of epic poems, plays, poetry, novels, historical documents, and speeches. Through a challenging curriculum, students will become proficient readers, effective writers, active listeners and articulate speakers. Students learn to respect various points of view while displaying creative, collaborative, and critical thinking skills. This class enables students to participate effectively in a technological, complex and ever-changing world. First Semester Units include Anglo Saxon, Medieval and Elizabethan.

English III Honors

Credits: 5
Prerequisite: English II Honors, teacher recommendation
Grades: 11
Length: Full Year

Similar to English III, the Honors course differs in that it will require more independent reading, deeper analysis of literature, and proficient writing skills than a regular level course.

AP Literature and Composition

Credits: 5
Prerequisite: English
II Grades: 11 / 12
Length: Full Year

This is a full year course. This class is a college-level course designed to develop careful readers and critics of imaginative literature and to offer a worthy setting for a lifelong pursuit of meaning. As set forth in the College Board's AP English Course Description, the primary goals of this course are summarized as follows: 1) to cultivate in students the skills of careful observation of textual details while reading and writing to experience and understand literature subjectively; 2) to teach students analytical and interpretive skills in reading and writing to explain literature and its myriad meanings; 3) to foster the capacity in students while reading and writing to evaluate literature for "quality and artistic achievement" and its inherent "social and cultural values." The works studied during this course build onto the rich reading experience of students enrolled in high school English

classes, and will explore through close reading fiction, poetry, drama, and literary criticism that encompass a variety of literary traditions throughout the history of English. In this course we will discuss the way writers throughout history have expressed what it means to be human. We will compare old and new, looking for patterns, archetypes, and comparative themes. Students will be expected to read closely, citing specific textual support in the primary works and often the ideas of other literary scholars.

English IV

Credits: 5
Prerequisite: English
III Grades: 12
Length: Full Year

This is a full year course. This course will focus on surveying world literature from ancient to contemporary times, with emphasis on the analysis of major themes and the connection of texts to cultural, political, and philosophical influences of the times. Through careful reading and in-depth discussions, students will explore world literature from ancient to contemporary times, developing an appreciation for and understanding of such literature. Students will develop a further understanding of literary genres and will explore common themes throughout literature, thereby developing keen analytical skills. Students will respond critically by writing in a range of styles.

English IV Honors

Credits: 5
Prerequisite: English III Honors, AP Literature, teacher recommendation
Grades: 12
Length: Full Year

Similar to English IV, the Honors course differs in that it will require more independent reading, deeper analysis of literature, and proficient writing skills than a regular level course.

Creative Writing

Credits: 5
Prerequisite: English
8 Grades: 9-12
Length: Full Year

This is a full year course. This course is designed to give students the opportunity to think and write creatively, and to help students find the kind(s) of writing they will enjoy. It is through writing that life becomes more meaningful. This class will encourage beginners and challenge those who have been writing on their own. Some, but not all of the writing we will try are: Biographical writing, Restaurant reviews, Movie and music reviews, Autobiography, Poetry, Creative nonfiction, Short stories, Narrative fiction, Personal Narrative, Descriptive writing. Students will keep portfolios and journals in class and retrieve on a daily basis.

They will work within deadlines, and better their writing with an attentive group of their peers. This class will expose students to many phases of the writing process, including generating ideas, writing and revising drafts, and editing. To support this work, students

also read excerpts from published writers in order to model what can be accomplished with dedication to writing.

College and Career Readiness

Credits: 2.5
Prerequisite:
None Grades: 12
Length: Semester

Students engage in a variety of activities designed to prepare them for success in college and careers. The class incorporates online resources and research tasks designed to help students choose and prepare for their future career path. Students practice academic and professional writing tasks, such as resumes and cover letters, scholarship application essays, letters of intent, and professional emails. Students also cultivate public speaking skills through presentations, prepared speeches and job interviews.

Social Studies / Social Sciences Department

Social Studies 7

Credits: N/A
Prerequisite: Social Studies 6
Grades: 7
Length: Full Year

In Social Studies 7, all students will acquire the knowledge and skills to think analytically about how past and present interactions of people, cultures, and the environment shape the American heritage. Such knowledge and skills enable students to make informed decisions that reflect fundamental rights and core democratic values as productive citizens in local, national, and global communities.

Periods of Study:

- Three Worlds Meet (Beginnings to 1620)
- Colonization and Settlement (1585-1763)
- Revolution and the New Nation (1754-1820s)
- Expansion and Reform (1801-1861)
- Civil War and Reconstruction (1850-1877)

Social Studies 8

Credits: N/A
Prerequisite: Social Studies 7
Grades: 8
Length: Full Year

Eighth grade students will acquire the knowledge and skills to think analytically and systematically about how past interactions of people, cultures, and the environment affect issues across time and cultures. The course begins with the development of human society and covers ancient river valley civilizations through medieval civilizations.

Periods of Study:

- Prehistory & the Development of Early Humans
- Ancient River Valley Civilizations: Mesopotamia, Egypt, Judaism, India, China
- Classic European History: Ancient Greece & Rome
- Medieval Era: European Middle Ages, Islam, African Kingdoms, Central and South American empires

Social Studies 8 Honors

Credits: N/A
Prerequisite: B+ average in Social Studies 7 and teacher recommendation
Grades: 8
Length: Full Year

Eighth grade honors students will acquire the knowledge and skills to think analytically and systematically about how past interactions of people, cultures, and the environment affect issues across time and cultures.

World History

Credits: 5
Prerequisite: None
Grades: 9
Length: Full Year

World History students will acquire the knowledge and skills to think analytically and systematically about how past interactions of people, cultures, and the environment affect issues across time and cultures. The course begins with the Renaissance and covers the history of mankind up to modern times. World History is required for graduation.

Periods of study:

- The Renaissance and Reformation
- The Age of Discovery
- The Enlightenment
- French Revolution
- Industrial Revolution
- Age of Imperialism
- The World Wars
- The World after World War II

World History Honors

Credits: 5 Prerequisite:
Teacher
Recommendation Grades:
9 Length: Full Year

World History students will acquire the knowledge and skills to think analytically and systematically about how past interactions of people, cultures, and the environment affect issues across time and cultures. The course begins with the Renaissance and covers the history of mankind up to modern times. The Honors section is designed to challenge the academically motivated student through additional assignments and research. World History is required for graduation.

Periods of study:

- The Renaissance and Reformation
- The Age of Discovery
- The Enlightenment
- French Revolution
- Industrial Revolution
- Age of Imperialism
- The World Wars
- The World after World War II

U.S. History I

Credits: 5
Prerequisite: None
Grades: 10
Length: Full Year

U.S. History I is an overview of American history from Colonial America through the development of the Industrial United States. The course will focus on political, economic and social events of this time period, as well as the impact on our society today. U.S. History I is required for graduation.

Periods of Study:

- Colonization and Settlement
- Revolution and the New Nation
- Expansion and Reform
- Civil War and Reconstruction
- The Development of the Industrial United States

U.S. History I · Honors

Credits: 5
Prerequisite: None
Grades: 10-11
Length: Full Year

In US History I Honors, students will acquire the knowledge and skills to think analytically about how past and present interactions of people, cultures, and the environment shape the American heritage. Such knowledge and skills enable students to make informed decisions that reflect fundamental rights and core democratic values as productive citizens in local, national, and global communities. US History I is a requirement for graduation.

Periods of Study:

- Colonization and Settlement
- Revolution and the New Nation
- Expansion and Reform
- Civil War and Reconstruction
- The Development of the Industrial United States

U.S. History II

Credits: 5
Prerequisite: U.S.
History I Grades: 11
Length: Full Year

U.S. History II is a continuation of U.S. History I and so is an overview of American history from the turn of the 20th Century to our modern society. The course will focus on political, economic and social events of the 20th Century. U.S. History II is required for graduation.

U.S. History II - Honors

Credits: 5
Prerequisite: Hon. U.S. History
1 Grades: 11-12
Length: Full Year

This is a full year course. The course will cover from the American West at the close of the American Civil War to the issues of our modern society. The course will focus on political, economic and social events of the 20th Century.

AP U.S. History

Credits: 5 Prerequisite:
Recommendation
Grades: 12 Length:
Full Year

This is a full year course. AP U.S. History is a college level history course that covers American history from Columbus' voyage to the issues present day America. The course will examine intellectual-cultural, political-diplomatic, and social-economic themes of the times. The course is document-based and will involve a number of primary sources. This course is an elective and is recommended for seniors. The course prepares students to take the AP U.S. History test.

AP European History

Credits: 5
Prerequisite:
None Grades: 11-
12 Length: Full

This is a full year course. AP European History is a college level history course that covers European history from the Renaissance to present day Europe. The course will examine intellectual-cultural, political-diplomatic, and social-economic themes of the times. The course is document-based and will involve a number of primary sources. This course is an elective and is recommended for juniors and seniors. The course prepares students to take the AP European History test.

AP Human Geography

Credits: 5
Prerequisite:
None Grades: 11-
12 Length: Full

AP Human Geography is a college level geography course that will involve the study of several topics related to the human interaction with geography. Topics will be covered like: migration, population, cultures, farming practices and urban planning. This course is an elective and is recommended for juniors and seniors. This course prepares students to take the AP Human Geography test.

AP Psychology

Credits: 5
Prerequisite:
None Grades: 11-
12 Length: Full

AP Psychology is a college level psychology course designed to prepare students to take the AP exam in May. It is designed to introduce students to the scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Topics include research methods, consciousness, biology of the brain, personality, social psychology, psychological disorders, development, emotion and motivation, stress and health, learning and memory. This course is an elective and is recommended for juniors and seniors.

American Military History

Credits: 5
Prerequisite:
None Grades: 9-
12 Length: Full

American Military History is a year-long elective course. It is recommended for upperclassmen. It covers the history of the American military from the earliest days of Colonial America to our modern military and its war on terrorism. Special emphasis is placed on military leadership, turning points and the evolution of weaponry. Special attention is paid to World War I and II.

Military Media

Credits: 2.5
Prerequisite:
None Grades: 9-
12 Length: Half

This course will expose high school students to various perspectives of war through the interdisciplinary lens of history, literature, and media. Students will be expected to synthesize and connect the history of particular events of military conflict with the narratives told through various mediums to include nonfiction literature (articles, essays, letters), fiction literature (novels, short stories, poetry), and film (movies, television, news outlets, internet media). Students will also be exposed to personal accounts of war through various guest speakers (war veterans) to discuss a broad range of topics. Students will be expected to read, discuss, reflect, reason, debate, and respond to all perspectives. Students will gain a better understanding of the history of war, the consequences of war, and the effects of war on the soldier, society, culture, and humanity as a whole.

U.S. History Through Music

Credits: 5
Prerequisite:
None Grades: 9-

Length: Full Year

This is a full year course. The course will examine songs as primary sources that reflect the events and movements of the era. From 'Yankee Doodle' our nation was fighting for independence to 'RESPECT' which saw a new wave in the women's rights movement, music shows us what we've fought for to make our nation.

Economics

Credits: 2.5
Prerequisite: None
Grades: 11-12
Length: Half Year

Economics is a single semester course for students to master fundamental economic concepts, appreciate how the principal concepts of economics relate to each other and understand the structure of economic systems. From this course students should learn to make reasoned decisions on personal economics. This course or its equivalent is required for graduation.

Zombie Geography

Credits: 2.5
Prerequisite: None
Grades: 7, 8
Length: Marking Period (7th grade cycle) or Semester (8th grade elective)

Zombie Geography is a course that uses the premise of a zombie apocalypse to teach the standards of geography. It is a project-based learning course that covers important topics of geography like mapping, cultures, resources, migration and human-environment interaction. This course is an elective.

Mythology

Credits: 2.5
Prerequisite: None
Grades: 9-12
Length: Half Year

This is a one semester elective course that focuses primarily of the myths and folklore of different cultures. We will study stories of the gods and heroes and analyze the values and beliefs those stories convey. We will learn about the myths in various ways including reading primary sources which may include epic poems and plays.

Criminal Justice

Credits: 2.5
Prerequisite: None
Grades: 9-12
Length: Half Year

Criminal Justice is a single semester elective course examining the American Criminal

Justice system. Students will be able to discuss the makeup of crime and criminals. Students will also be able to explain the structure and function of the criminal justice system from committing a crime, through investigation, the court process and punishment. Students should also be able to analyze related current events topics. Students who have completed Criminal Justice are urged to take Forensics as a complementary course.

Contemporary News

Credits: 2.5
Prerequisite: None
Grades: 9-12
Length: Half Year

Contemporary News is a half year course. It is a gathering and discussion of newsworthy events and important topics of our modern world.. This class is designed to foster citizenship and creativity in our students, help them form sound opinions on the issues and make connections to the real world.

U.S. History and Film

Credits: 2.5
Prerequisite: None
Grades: 9-12
Length: Half Year

U.S. History and Film is a semester long elective course designed to educate the students about American history through the use of documentaries, television and Hollywood-style films. Utilizing all three of these formats gives students a fuller, as well as, entertaining understanding of our nation's history.

Intro to Economics / Financial Literacy Cycle

Credits: N/A
Prerequisite: None
Grades: 7
Length: Cycle

Students will focus on topics to help make better financial decisions. Essential questions will guide each unit of study including:
How can I make the best use of money? (Financial Literacy)
How can I run a successful business? (Microeconomics)
How can I know if a country's economy is healthy? (Macroeconomics)

Fine, Performing, and Practical Arts Department

Art 8

Credits:
Prerequisite:
None Grades: 8
Length:

Course Description

8th Grade art is an introductory course for art and procedures in the art room. Students will engage in a number of hand eye exercises, including cursive writing/calligraphy, experience in use of drawing tools, rulers and a variety of basic mediums. A superficial examination into the Elements Of Art and their application to the Principles of Design.

Art I

Credits: 5
Prerequisite:
None Grades: 9-
12 Length: Full

This is a full year course. Art I is a general studio art course with an emphasis on the elements of art. It offers the student a basic experience in drawing, painting, color, sculpture and printmaking as well as an overview of ideas, processes and concepts. This course is predominantly production oriented. Students are introduced to the concepts of art history, aesthetics and critique as they relate to the studio projects.

Art II

Credits: 5
Prerequisite: Art I
Grades: 10-12
Length: Full Year

This is a full year course. This course will expand upon the processes covered in Art I with an emphasis on the principles of design and creativity. Students will be encouraged to explore in greater depth drawing, painting, sculpture and printmaking with special considerations for the individuals' areas of interest. Critique will be stressed as will art history as it applies to particular assignments.

Art III

Credits: 5
Prerequisite: Art I & Art
II Grades: 11-12
Length: Full Year

This is a full year course. This course includes a more intensive study of two and three-

dimensional design as it applies to both fine art and commercial art. Students will explore a variety of mediums with concentrations in areas of individual interest.

Art IV / Studio Art

Credits: 5
Prerequisite: Art I, Art II, & Art III or Independent Study
Grades: 12
Length: Full Year

This is a full year course. The most advanced course which is offered. This course is designed for students intending to become Art majors in college or possibly pursuing art as a career. In-depth exploration of areas of art that are of particular interest to the student as well as exploration of other areas of possible interest. A continuing emphasis on portfolio development. Involvement in specific or prescribed curriculum and activities at the discretion of the instructor.

Independent Study Art

Credits: 5
Prerequisite: Art I and Art II
Grades: 11-12
Length: Full Year

This is a full year course. This is a course for the dedicated art student and future art major that is capable of working independently while in a classroom environment. A variety of assignments will be given with a concentration of them having to do with areas that are of particular interest to that student. Portfolio development will be stressed. Involvement in specific or prescribed curriculum and activities, at the discretion of the instructor.

Intro To Printmaking

Credits: 2.5
Prerequisite:
None Grades: 10-12
Length: Half

Students are guided through a structural program which includes historical, cultural and conceptual aspects of printmaking. A variety of printmaking techniques will be learned and utilized. Basic Elements of Art and Principles of Design will be stressed within printed compositions. Class activities are project based giving students an opportunity to practice art fundamentals while learning technical skills in Printmaking.

Graphic Communication Arts Art I

Credits: 5
Prerequisite:
None Grades: 9-12
Length: Full

A basic graphic design studio course that deals with communicating ideas through the use

of type and image. The principles of graphic design are taught through a series of design problems intended to train the student to think as a designer when solving problems. Students learn and apply fundamentals of various software applications. Class will focus on the use of Adobe Illustrator and Photoshop as well as other computer based applications. This project based class will explore advertising, web design, image editing, drawing and graphic animation.

Graphic Communication Arts Art II

Credits: 5
Prerequisite: Graphic Communication Arts I
Grades: 10-12
Length: Full Year

This course is an introduction to the world of desktop publishing and beyond. Instruction focuses on learning the aesthetic and technical skills needed for creating print design layout. Students learn how to import and export text and graphics within various software applications. Students have access to flatbed scanners, cameras, printers, vinyl plotter, and a 3D printer. Projects coordinate technical skills with organization, management, communication, ethics and teamwork.

Digital Photography

Credits: 2.5
Prerequisite: None
Grades: 9-12
Length: Half Year

Introduces the aesthetic and technical theories and techniques of digital photography. Topics include camera and lens operation, memory cards, file formats, exposure, white balance, composition, lighting, creativity, image editing software and output. Students will be required to photograph weekly photo assignments using a digital camera or a phone based camera.

2D Design

Credits: 2.5
Prerequisite: None
Grades: 9-12
Length: Half Year

This course is a studio class that delves into the elements and principles of design (line, color, shape, texture, space, form, value, unity, balance, variety, scale, proportion, rhythm, emphasis). Students are presented with visual problems to solve on a weekly basis. Students should view their participation in this course as a time to acquire foundational skills, develop visual curiosity, research, and experiment. Projects focus on the use of line, collage, and the power of positive and negative space.

Digital Illustration and Web Animation

Credits: 2.5
Prerequisite: Art I or Graphic Communication Arts I

Grades: 9-12
Length: Half Year

Digital Illustration is a hands-on computer class designed to equip the student with the necessary skills to create professional digital graphics. Students create sophisticated and precise vector based graphics and manipulate them. Students will create storyboards, learn character development, voice overs, flash based animation, as well as 3D based animation and lighting.

Band

Credits: 5
Prerequisite: Teacher
Recommendation Grades: 8-12
Length: Full Year

This is a full year course. Band meets one period a day, five days a week. This course is designed for the study and performance of various styles of music for wind and percussion instruments. Students who join the band are required to attend and participate in all after school practices and performances, i.e., football games, competitions, concerts, graduation, etc. to receive credit. Opportunities are available for students to audition for various other ensembles, which meet outside class such as, Jazz Band, Brass Ensemble, Percussion Ensemble, Saxophone Quartet, Flute Ensemble and any other Chamber Group that maintains enough student interest. Aside from rehearsals and performances, students improve their individual musicianship through the study of their instruments in a weekly small group lesson pullout program.

Chorus/Band

Credits: 5
Prerequisite: None
Grades: 8-12
Length: Full Year

This is a full year course. Band/Chorus students will increase music skills and knowledge base through both performance mediums. Students will attend band 3x weekly and chorus 2x weekly. Course offered for students who would like to take both.

Chorus

Credits: 5
Prerequisite: None
Grades: 8-12
Length: Full Year

This is a full year course. Chorus students will develop music skills and knowledge through the study and performance of vocal music. Students will attend one class period a day and learn musical notation, breathing techniques, diction, and vocal techniques connected to various genres of music. Members of the Choir are required to attend dress rehearsals and Winter and Spring Concerts, as well as graduation.

Music Theory
Credits: 5 Prerequisite: Band or Choir Grades: 9-12 Length: Full Year
This is a full year course. This course is designed to teach the fundamental mechanics of music and music composition. Topics covered include the building of scales and chords, transposition and basic compositional practices in a varied range of styles. Ability to read music notation is required.
Music Theory II
Credits: 5 Prerequisite: Music Theory I Grades: 9-12 Length: Full Year
This is a full year course. This course is designed to expand the students' knowledge of what was learned in Music Theory I as well as opening up new musical territories for each student. The student will increase his/her knowledge of chord structure by expanding past the basic triads into seventh, ninth, eleventh and thirteenth chords. The student will also acquire an understanding of instrumental music through the field of orchestration. This course will also help each student prepare for a music career upon graduation from high school.
Introduction to Piano
Credits: 5 Prerequisite: None Grades: 9-12 Length: Half
This is a half year course. This is designed for students who wish to develop basic piano playing skills. Time in class will be spent both on and off the keyboards. Students will be working individually and in small groups to master the concepts and fundamentals needed to perform on the piano. Students will learn a vocabulary of chords and keys, accompaniment patterns, and improvisational techniques. Paired with Intro to Guitar.
Introduction to Guitar
Credits: 5 Prerequisite: None Grades: 9-12 Length: Half
This is a half year course. The main objective of this course is to create an enhanced appreciation for music through playing the guitar. Students will learn how to read music notation, basic chords, and tablature. Students will also gain a better understanding of many different musical genres including classical, blues, jazz, rock, and pop. Paired with Intro to Piano.

Accounting

Credit Value: 5
Prerequisite:
None Grades 9-12
Length: Full-Year

This course is designed to provide both the college-bound and/or the business student with the understanding of skills and concepts associated with basic accounting principles. The student will see the development of each accounting step and how this sequence of steps fits into the total accounting system. This course will fulfill the dual purpose of preparing students to handle daily systematic recordings of an actual business so as to achieve entry-level job skills, while at the same time provide necessary background for future study in accounting and business. Students will be able to prepare and interpret financial statements and will also be able to keep accounting records for both a service and a merchandising business. Students have the opportunity to join DECA, the co-curricular business club, and participate in regional, state, and national competitions.

Financial Literacy

Credits: 2.5
Prerequisite:
None Grade: 9-12
Length: Half Year

In this course, students will develop skills and strategies that promote personal and financial planning, savings, and investment. Financial literacy includes the application of knowledge, skills, and ethical values in consumer and financial decisions impacting self and family and the local and global community. The curriculum topics include: income and careers, money management, credit and debt management, planning, saving and investing, critical consumerism, citizen financial responsibility, and risk management and insurance as well as the use of the HR Block Budget Challenge simulation and EverFi learning modules.

General Business

Credits: 5
Prerequisite:
None Grades: 9-12
Length: Full

This is a full year course. This survey course is designed to provide students with an overview of the business world. Consumer and supplier interaction is examined by studying basic business concepts, such as decision making, different economic systems, the market, and the government's role in business, as well as subjects such as money, investments, the stock market, entrepreneurship, insurance and banking. Students will be exposed to the various functions of business in our domestic economy including: Accounting, Finance, Economics, Law, Marketing, Management, and Information Systems. This course will provide students with the opportunity to explore all areas of business and make selections of future electives that focus on any given area of interest by taking full year courses in a given subject concentration. Seniors enrolled in the course

will learn about the different college business major concentrations prior to enrolling in their college programs.

Videography

Credits: 5
Prerequisite:
None Grades: 9-
12 Length: Full

This is a full year course. The course will teach students the basics of photography, camera functions, video editing, media analysis, and filmmaking. Students will work individually and in groups to write, shoot, and edit their own projects to be displayed on our BHS YouTube channel.

Virtual Restaurant

Credits: 2.5
Prerequisite:
None Grades: 9-
12 Length: Half

Virtual Business - Restaurant engages students in the fast-paced, exciting culinary world, and the very tough business decisions that go into running a successful, profitable restaurant. The online simulation offers an eye-opening window into the world of restaurant ownership. Virtual Business - Restaurant introduces students to all the tough business decisions involved in running a successful restaurant. In the real world, restaurants are the most common new business started each year, but restaurants also fail at a higher rate than other businesses. With Virtual Business - Restaurant, students make a number of decisions large and small - picking menu items, laying out the restaurant's floor plan, etc. Students learn what makes a restaurant succeed, and what business decisions will lead to a restaurant closing down. Students have the opportunity to join DECA, the co-curricular business club, and participate in similar events at the DECA competitions.

Virtual Sports and Entertainment

Credits: 2.5
Prerequisite:
None Grades: 9-
12 Length: Half

Virtual Business - Sports and Entertainment gives students the opportunity to "work" in the exciting sports and entertainment world. The online simulation teaches students the hard business decisions that go into the sports and entertainment events the students enjoy in real life. Students handle promotion, ticket pricing, stadium operations and staffing, sponsors, concessions, concert booking and promotion, and more. Students have the opportunity to join DECA, the co-curricular business club, and participate in similar events at the DECA competitions.

Introduction to Theatre

Credits: 2.5
Prerequisite: None
Grades: 9-12
Length: Half Year

In this half year introductory class, you will learn about behind the scenes jobs in theatre and try your hand at some. Lighting Designer, Costume Designer and Sound Designer are just a few! You will learn the basics of stage directions, the actor's point of view and how they create believable characters. You will learn about the art of Improv and have fun learning to be spontaneous and how to "think on your feet". This class will also enable you to grow in your confidence at being in the spotlight and speaking in public.

Sports Literature

Credits: 2.5
Prerequisite: None
Grades: 9-12
Length: Half Year

This course will examine how sports are presented in literature (and other media outlets - TV, film, stage). We will look at both fiction and non-fiction that use sports in different ways to drive the story. We will discuss how the sport are depicted: is it central to the plot? To the main characters? Could the sport be considered the main character? Why? Could the story be told if the sport was removed from the plot line? Why do we think the sport genre had emerged in recent years?

Literature of Horror

Credits: 2.5
Prerequisite: None
Grades: 9-12
Length: Half Year

This is a half year course. Students will read several books in the horror genre and explore what makes this genre so popular? What constitutes horror? How does an author write "horror"?

Health and Physical Education Department

Physical Education 7

Credits: N/A
Prerequisite: None
Grades: 7
Length: 3 marking periods

This course takes place over 3 marking periods. The focus of the middle school physical education program is intended to engage all students in active participation of fitness and recreational activities. Students will increase fitness levels and movement skills, as well as promoting teamwork, social skills, sportsmanship, and respect for all students.

The main goals are as follows:

Skills: Students will demonstrate proficiency in modified versions of fitness activities, team sports, and individual sports.

Knowledge: Students will demonstrate understanding of movement concepts, strategies and tactics as they apply to the learning and performance of physical activities.

Fitness: Students will participate in activities designed to improve or maintain muscular strength and endurance, flexibility, cardiovascular endurance, and body composition based on the results of criterion-referenced fitness tests (i.e. Fitnessgram).

Responsible Behavior: Students will exhibit responsible personal and social behavior that respects self and others in physical activity settings.

Understands and follows class rules related to safety practices and procedures.

Awareness: Students will learn the value of physical activity for health, enjoyment, challenge, self-expression and social interaction.

Physical Education 8

Credits: N/A

Prerequisite:

None Grades: 8

Length: 3 marking periods

This course takes place over 3 marking periods. The focus of the middle school physical education program is intended to engage all students in active participation of fitness and recreational activities. Students will increase fitness levels and movement skills, as well as promoting teamwork, social skills, sportsmanship, and respect for all students.

The main goals are as follows:

Skills: Students will demonstrate proficiency in modified versions of fitness activities, team sports, and individual sports.

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Responsible Behavior: Students will exhibit responsible personal and social behavior that respects self and others in physical activity settings.

Understands and follows class rules related to safety practices and procedures.

Awareness: Students will learn the value of physical activity for health, enjoyment, challenge, self-expression and social interaction.

Physical Education

Credits: 3.75

Prerequisite: None

Grades: 9-12 Length:

3 marking periods

This course takes place over 3 marking periods. The focus of the Physical Education program is to develop and educate the students through motivational physical activities in order to promote physical, mental and social wellness.

The completion of the Health, Safety, and Physical Education program is a New Jersey State Requirement as a prerequisite to graduation. The Physical Education program is a requirement for each year the student is in attendance – grades nine through twelve. The program following the guidelines set forth by the New Jersey Core Curriculum Content Standards for Health and Physical Education.

Physical Fitness is emphasized throughout the curriculum with activities geared toward developing the health-related fitness components of flexibility, muscular strength and endurance as well as anaerobic and aerobic capacity. Units such as Step Class, Speed and Agility, and Weight and Resistance-band Training are offered to meet the above mentioned fitness components. Physical fitness levels are measured three times each year by a standardized testing program. Scores are recorded and kept for the duration of the student's high school tenure for comparison and self-evaluation.

Team sports are offered with the emphasis on gross and fine motor skill development, as well as to foster social interaction. General rules, regulations, team and movement with our intra-school disciplines.

Health 7

Credits: N/A
Prerequisite:
None Grades: 7
Length: 1 marking period

The purpose of the seventh grade health curriculum is to educate the students about social, mental and physical health/wellness. This class discusses the importance of healthy eating habits, active lifestyles and the dangers of eating disorders. The course also includes stress management, peer pressure and stereotypes related to a school setting. An introduction into the HIV/AIDS awareness and prevention is also discussed.

Health 8

Credits: N/A
Prerequisite:
None Grades: 8
Length: 1 marking period

The purpose of the eighth grade health curriculum is to provide an understanding of the natural processes of the body, as well as to give factual support to reproduction and sexuality. The course provides young people with a knowledge base and assortment of skills necessary to make informed choices. Knowledge about how to avoid sexually transmitted infections that endanger one's health and well-being as well as that of a partner is an important component of instruction. Addressing Reproduction/Sexuality in an appropriate and factual fashion leads to informed young people, increasing the likelihood of students making healthy decisions. Topics that are generally covered include male and

female reproductive systems, contraception, sexually transmitted infections, HIV and AIDS along with the child birth process.

Health 9

Credits: 1.25
Prerequisite:
None Grades: 9
Length: 1 marking period

The freshman health curriculum focuses on First Aid and injury prevention. The course will include the value of a safe and healthy life-style. It attempts to alert students to behavior and situations that contribute to risk of injury and illness and to motivate them to take precautions. They will identify ways to prevent injury and illness, recognize when an emergency has occurred and provide basic care for injury or sudden illness until the victim can receive professional medical help.

Health 10 / Driver Education (Theory)

Credits: 1.25
Prerequisite: None
Grades: 10 Length:
1 marking period

This course consists of 30 hours of classroom instruction in the fundamentals of driving which provides the foundation for the knowledge exam portion of the State Graduated Driver License program as set forth by the New Jersey State Motor Vehicle Commission. The course stresses safety, courtesy, driving laws, insurance and awareness of the dangers of drinking and driving and proper driving techniques.

Health 11

Credits: 1.25
Prerequisite: None
Grades: 11 Length:
1 marking period

The junior health curriculum emphasizes knowledge and understanding of various sexually transmitted diseases, alertness to sexual behaviors, abstinence, contraception, pregnancy and birth. The course will also educate the students about drug and alcohol use, misuse and abuse, heart disease, as well as AIDS awareness. Class topics will also include decision making skills relating to post-high school life such as living arrangements, relationships and overall independence.

Health 12

Credits: 1.25
Prerequisite: None
Grades: 12 Length:
1 marking period

The twelfth grade program stresses the responsibilities of the individual through the family

life education program. Relationships, marriage and parenting are explored in depth as are the topics of rape prevention, mental illness and adult care. HIV/AIDS education is taught with the use of guest speakers from various public and private agencies. Student portfolios that include group and individual projects, as well as traditional tests, are the basis for assessment of learning at this level. The benefits of organ and tissue donation and the process for becoming a donor will be re-addressed during this course.

World Language / English Language Learners (Language Arts Department)

Spanish 8

Credits: N/A
Prerequisite: None
Grades: 8
Length: Semester

Course Description

An introduction to the basic vocabulary and grammatical structures of Spanish language. In one semester, students will gain a foundation for the high school courses in Spanish.

Spanish I

Credits: 5 Prerequisite:
Teacher
Recommendation Grades:
9 Length: Full Year

This is a full year course. Spanish I provides for the development of fundamental language skills in listening, speaking, reading and writing. The vocabulary and grammatical structures presented at this level are aimed at progressive attainment of these skills. In this course, emphasis is placed on communication and on an introduction to Spanish culture through the study of basic customs and everyday life.

Spanish I Honors

Credits: 5
Prerequisite: Placement test in 8th grade
Grades: 10
Length: Full Year

Similar to Spanish I, the honors course differs in that the class progresses through the material at a faster pace, and a greater amount of independent study, research, and practice is expected.

Spanish II

Credits:
Prerequisite for II H: score of 85-100 in Spanish I H
Grades: 10-11
Length:

This is a full year course. Spanish II develops and improves awareness and proficiency in audio-lingual skills. The four basic skills of listening, speaking, reading and writing are developed further with increased emphasis on reading comprehension and writing. Basic cultural units are integrated into the program.

Spanish II Honors

Credits:
Prerequisite for II H: score of 85-100 in Spanish I
H Grades: 10-11
Length:

Similar to Spanish II, the honors course differs in that the class progresses through the material at a faster pace, and a greater amount of independent study, research, and practice is expected.

Spanish III AP

Credits: 5
Prerequisite: Teacher
recommendation Grades: 11-12
Length: Full Year

This is a full year course. Spanish AP reviews the structures previously studied and introduces more advanced linguistic elements to further enhance communication skills in listening, speaking and writing. Short stories are also analyzed to further the development of comprehension and vocabulary acquisition. The course explores the heritage of Spain and Latin America through literature, art, history and contemporary civilization. Follow the AP Course recommendations and syllabus.

ESL Courses

All ESL classes are full year courses. ESL is mandated by the New Jersey Department of Education. Limited English proficient students are screened upon registration and are placed in the appropriate level based on state established norms. The goals for this course are for students to be able to communicate in social settings, to compete academically in all content areas, and to interact socially and culturally in appropriate ways. Students are exited from the program on the basis of multiple criteria, including the results of standardized English language proficiency tests.

ESL Beginner

Credits: 5
Prerequisite: N/A
Grades: 7-12
Length: Full Year

This course is designed for students at WIDA levels 1 to 3, with a focus on speaking and listening, including grammar, vocabulary, and pronunciation. Students practice in groups and independently using new words and grammatical structures in authentic contexts. Projects include presentations, conversations, videos, and round-table discussions as well as written tests of grammar and vocabulary.

ESL Beginner Reading / Writing

Credits: 5
Prerequisite: N/A
Grades: 7-12
Length: Full Year

This course is designed for students at WIDA levels 1 to 3, with a focus on reading and writing. Reading focuses on fluency and comprehension, with texts appropriate to the students' level and scaffolds to move to the next level. Writing instruction includes spelling, punctuation, capitalization, and grammar, as well as discourse-level structure. The goal of this course is to get students from writing simple sentences to writing coherent paragraphs.

ESL Intermediate

Credits: 5
Prerequisite: N/A
Grades: 7-12
Length: Full Year

This course is designed for students at WIDA levels 2 to 4, with a focus on speaking and listening, including grammar, vocabulary, and pronunciation. Students practice in groups and independently using new words and grammatical structures in authentic contexts. Projects include presentations, conversations, videos, and round-table discussions as well as written tests of grammar and vocabulary.

ESL Intermediate Reading / Writing

Credits: 5
Prerequisite: N/A
Grades: 7-12
Length: Full Year

This course is designed for students at WIDA levels 2 to 4, with a focus on reading and writing. Reading focuses on fluency and comprehension, with texts appropriate to the students' level and scaffolds to move to the next level. Writing instruction includes spelling, punctuation, capitalization, and grammar, as well as discourse-level structure. The goal of this course is to get students from writing paragraphs to writing essays.

ESL Advanced

Credits: 5
Prerequisite: N/A
Grades: 7-12
Length: Full Year

This course is designed for students at WIDA levels 3 to 5, with a focus on speaking and listening, including grammar, vocabulary, and pronunciation. Students practice in groups and independently using new words and grammatical structures in authentic contexts. Projects include presentations, conversations, videos, and round-table discussions as well as written tests of grammar and vocabulary.

ESL Advanced Reading / Writing

Credits: 5
Prerequisite: N/A
Grades: 7-12
Length: Full Year

This course is designed for students at WIDA levels 3 to 5, with a focus on reading and writing. Reading focuses on fluency and comprehension, with texts appropriate to the students' level and scaffolds to move to the next level. Writing instruction includes spelling, punctuation, capitalization, and grammar, as well as discourse-level structure. The goal of this course is for students to read and write at grade level.