



**CLEVELAND HILL
HIGH SCHOOL**

COURSE CATALOG

**Academic Year
2023 – 2024**

The vision of the Cleveland Hill School District is to provide the opportunities and challenges for each student to succeed as a lifelong learner in a changing world. The District values and supports a highly trained and committed workforce, continually evaluating and improving their own and student performance. The District recognizes its role as a key contributor to the social, civic and economic foundation of this community. To achieve this vision, we must engage the hearts and minds of our students, their parents, staff, residents and the greater school community. Parental participation and expanded partnerships will remain a top priority.

CONTACT US

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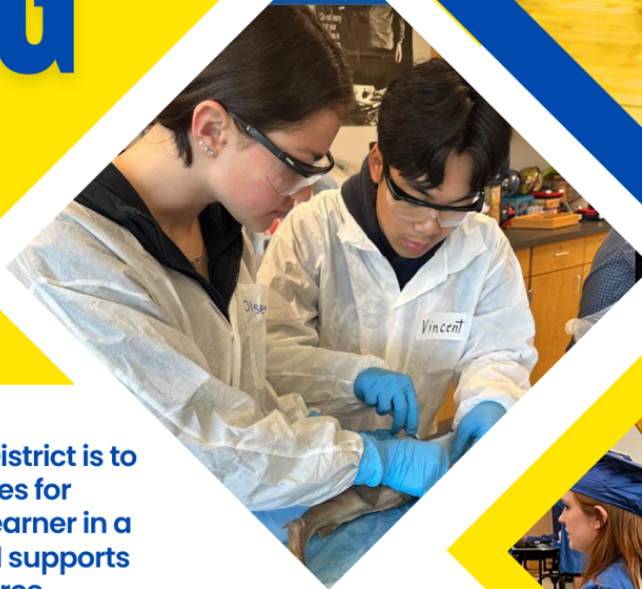




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English Language Arts Department

English 9

1.0 Credit

Exam: *Local*

Prerequisites: *None*

Course Description: This course marks the start of a comprehensive approach to language arts and English. This class will challenge you in the areas of reading, writing, listening and speaking, all of which is in preparation for the 11th grade Regents examination. This means that assignments will include, but are not limited to: independent reading, answering questions about what you read independently or in groups, journal writing, research projects, presentations, literature-based essays, and tests/quizzes on literature, grammar, and vocabulary. The writing process is reintroduced, along with mechanics (spelling, grammar, capitalization, punctuation and usage). MLA research skills are introduced and practiced throughout the year.

English 9 Honors

1.0 Credit

Exam: *Local*

Prerequisites: *Acceptance into this program requires students to complete an independent summer study project to be submitted on the first day of school (prospective students will receive the necessary information at the end of eighth grade). Additionally, for a student to be considered for English 9 Honors, he/she must meet the following criteria: an overall average of 90% for eighth grade English, be in good academic standing in the other disciplines, receive a 4 on the ELA 8 assessment, and complete the “English 9H Application” by the end of 8th grade.*

Course Description: Students’ assignments will include all skills in English 9, though a more intensive approach to writing is taken. Outside class projects and regular homework assignments are to be expected. The literature studied is at a higher comprehension level, and more MLA research skills are taught and introduced through different projects.

This course is weighted to carry 1.05 added Grade Point Average value points.

English 10

1.0 Credit

Exam: *Local*

Prerequisites: *English 9*

Course Description: The presentation of the English 10 program is organized around various genres of literature, with a focus on popular themes such as Dreams, Love, Relationships, Freedom, Prejudice and Human Nature. The literary vehicles carrying these topics encompass the major genres-short story, poetry, modern drama, Shakespearean drama, novel. The process of accomplishing these units includes a variety of techniques and experiences including individual and cooperative learning methods. Class notes as well as oral and written responses are consistently encouraged to develop skills in speaking, listening, and writing-tasks consistent with the NYS Standards. The Six-Traits of Writing program integrates grammar, spelling, and vocabulary into the work of various types of composition. Vocabulary practice and development

is derived from our course literature as well as consistently supplemented from a vocabulary textbook. These vocabulary units are designed to prepare students for the elevated expectations of Regents level work and to prepare them for national applications tests. Outside class assignments and regular homework assignments are considered part of the course. For example, required outside class reading includes one play and one novel each marking period.

Sophomore English continues to focus on the achievement students need to succeed at the Regents level. Students are given practice each semester in the tasks required of them by the NYS Common Core. By year's end all four tasks have been practiced thus preparing the sophomores by familiarizing them with the style of the exam they face at the end of the following year. Other training and practice is offered throughout the year consistent with the NYS Standards.

English 10 Honors

1.0 Credit

Exam: *Local*

Prerequisites: *English 9 as well as a teacher recommendation and mastery-level success in previous English coursework and assessments.*

Course Description: English 10 Honors encompasses the history and development of the English language through the study of selections from Anglo-Saxon, Medieval, Elizabethan, Romantic, Victorian and modern literature. Students are encouraged to express themselves creatively through projects associated with each of the major readings. Participation in and initiation of class discussion, oral and written presentations are important class components. These oral and written responses are consistently encouraged to develop skills in speaking, listening and writing tasks consistent with the NYS Standards. Also encouraged are writing and speaking to develop logic, clarity, and scholarship as well as stylistic and grammatical accuracy. Grammar is integrated with the composition work Spelling is a regular feature of the course; students are expected to master grade level appropriate spelling lists. Vocabulary practice and development are also staples of the English 10 course.

Outside class assignments and regular, manageable, homework assignments are a consistent part of the course. For example, required outside class reading includes one play or novel each marking period. Sophomore English continues to focus on the achievement students need to succeed at the Regents level. Students are given practice each semester in the tasks required of them by the NYS Common Core. By year's end all four tasks have been practiced. Other training and practice is offered throughout the year, consistent with the NYS Standards.

This course is weighted to carry 1.05 added Grade Point Average value points.

English 11

1.0 Credit

Exam: *Regents*

Prerequisites: *English 10*

Course Description: English 11 continues student preparation for the Regents Common Core in English Exam (which is a requirement for graduation). All exam tasks are practiced and mastery level is the goal. Various literary genres are explored including drama, novels, poetry, non-fiction, and short stories. The writing process is comprehensively stressed along with grammar and usage. MLA research skills continue to be developed as students focus on persuasive writing techniques.

English 11 Honors

1.0 Credit

Exam: Regents

Prerequisites: *English 10 and acceptance into this program requires students to complete an independent summer study project to be submitted on the first day of school (prospective students will receive the necessary information at the end of 10th grade). Along with the project, students must have maintained a 90% average in 10th grade English Honors and have a teacher recommendation.*

Course Description: Preparation for Regents Common Core Exam is completed and mastery level is expected. An intensive approach to writing is taken in this course and outside class projects and regular homework assignments are to be expected. The literature studied is at higher comprehension and analytical levels. Vocabulary practice and development are also staples in this course and focus on SAT- recommended words. Mastery of MLA research style will be reached by the end of the course.

This course is weighted to carry 1.05 added Grade Point Average value points.

English 12

1.0 Credit

Exam: Local

Prerequisites: *English 11*

Course Description: This course is designed to further enhance the students' skills in reading, writing, listening, and speaking (through studying grammar, general vocabulary, literary terms, and critical thinking), with an added emphasis on the particular skills necessary for college and beyond. Students will study a variety of literature across the genres of poetry, short stories, drama, and novels. A requirement of graduation is the research paper to be completed in MLA format.

Advanced English 12 (EN 110 & EN 111)

1.0 Credit

(This course is approved for 6 college credits through SUNY Erie)

Exam: Local

Prerequisites: *To take EN110, students must have completed ELA 11 Honors, the summer project, earned a 90 or better on the CCR ELA exam and have teacher recommendation for participating in the course. To take EN111, students must have successfully completed EN110. Students must be recommended by an English 11H teacher, must score at least 85% on the Regents Exam, and must complete an independent summer assignment before being allowed entry to these college credit bearing courses given through Erie Community College.*

Course Description: The first semester, College Composition, focuses on writing in various rhetorical formats: narration, persuasion, exposition, comparison, etc. Mastery of grammar rules is expected, along with further development of the students' unique writing styles. The second semester, Composition and Interpretation of Literature, includes a survey of literature across all genres: poetry, short stories, drama, and novels. Students will read critical analyses of works as well as write their own.

This course is weighted to carry 1.10 added Grade Point Average value points.

Journalism

1.0 Credit

Exam: None

Prerequisites: *English 9*

Course Description: This course is designed for students interested in newspaper journalism and/or developing their writing skills. Students will explore the media and the ethical responsibility issues inherent in the press today. The basics of news, feature, editorial, and sports writing will be taught and studied. Article structure, voice, and editing will be stressed and assessed. Students will create numerous original works using a variety of structures and writing techniques, as well as computer-generated layouts and graphics. Students enrolled in this course will be required to contribute to a monthly Cleveland Hill newspaper.

Public Speaking (EN 114)

1.0 Credit

(This course is approved for 3 college credits through SUNY Erie)

Exam: *None*

Prerequisites: *None*

Course Description: The development of clear and effective oral communication. Students will learn discussion techniques and prepare and deliver various kinds of speeches.

This course is weighted to carry 1.10 added Grade Point Average value points.

Creative Writing (EN 140)

1.0 Credit

(This course is approved for 3 college credits through SUNY Erie)

Exam: *None*

Prerequisites: *None*

Course Description: Through a wide variety of poetry, drama, fiction, and creative nonfiction, students will have the opportunity to develop their creative writing skills in all genres and produce a project in each.

This course is weighted to carry 1.10 added Grade Point Average value points.



Social Studies Department

Global History and Geography 9

1.0 Credit

Exam: *Local*

Prerequisites: *8th Grade Social Studies*

Course Description: The Global History and Geography core curriculum is designed to focus on the five social studies standards, common themes that recur across time and place, and eight historical units. This curriculum provides students with the opportunity to explore what is happening in various regions and civilizations at a given time. In addition, it enables students to investigate issues and themes from multiple perspectives and make global connections and linkages that lead to in-depth understanding. As students explore the five social studies standards, they should have multiple opportunities to explore the content and intellectual skills of history and the social science disciplines.

This course begins by exploring Early Humans and the development of civilization, and it ends in the 1700s with the Age of Absolutism. Students will be required to take a local final exam at the end of the school year.

Global History and Geography 9 Honors

1.0 Credit

Exam: *Local*

Prerequisites: *A teacher recommendation and mastery-level success in previous Social Studies' coursework and assessments*

Course Description: The Global History and Geography core curriculum is designed to focus on the five social studies standards, common themes that recur across time and place, and eight historical units. This curriculum provides students with the opportunity to explore what is happening in various regions and civilizations at a given time. In addition, it enables students to investigate issues and themes from multiple perspectives and make global connections and linkages that lead to in-depth understanding. As students explore the five social studies standards, they should have multiple opportunities to explore the content and intellectual skills of history and the social science disciplines.

This course begins by exploring Early Humans and the development of civilization, and it ends in the 1700s with the Age of Absolutism. Students will be required to take a local final exam at the end of the school year. This course is designed for the highly motivated, college bound student with great emphasis placed on reading and writing skills as well as interpretations and analysis of historical documents.

This course is weighted to carry 1.05 added Grade Point Average value points.

Global History and Geography 10

1.0 Credit

Exam: *Regents*

Prerequisites: *Global History & Geography 9*

Course Description: The Global History and Geography core curriculum is designed to focus on the five social studies standards, common themes that recur across time and place, and eight

historical units. This curriculum provides students with the opportunity to explore what is happening in various regions and civilizations at a given time. In addition, it enables students to investigate issues and themes from multiple perspectives and make global connections and linkages that lead to in-depth understanding. As students explore the five social studies standards, they should have multiple opportunities to explore the content and intellectual skills of history and the social science disciplines.

The course picks up with the Scientific Revolution and the Enlightenment. At the end of the course, students will take the NYS Regents Examination, which is required for graduation.

Global History and Geography 10 Honors

1.0 Credit

Exam: *Regents*

Prerequisites: *Global History & Geography 9 as well as a teacher recommendation and mastery-level success in previous Social Studies' coursework and assessments*

Course Description: The Global History and Geography core curriculum is designed to focus on the five social studies standards, common themes that recur across time and place, and eight historical units. This curriculum provides students with the opportunity to explore what is happening in various regions and civilizations at a given time. In addition, it enables students to investigate issues and themes from multiple perspectives and make global connections and linkages that lead to in-depth understanding. As students explore the five social studies standards, they should have multiple opportunities to explore the content and intellectual skills of history and the social science disciplines.

The course picks up with the Scientific Revolution and the Enlightenment. At the end of the course, students will take the NYS Regents Examination, which is required for graduation. This course is designed for the highly motivated, college bound student with great emphasis placed on reading and writing skills as well as interpretations and analysis of historical documents.

This course is weighted to carry 1.05 added Grade Point Average value points.

United States History and Government

1.0 Credit

Exam: *Regents*

Prerequisites: *Global History & Geography 10*

Course Description: United States History is the history of a great experiment in representative democracy. Students will learn about the structure and function of government and will learn how to take on their roles as citizens. Students should understand those basic principles and the cultural and historic heritage that support our democracy so that they can become informed, committed participants in our democracy. As students explore the five social studies standards, they will have multiple opportunities to explore the content and intellectual skills of history and the social science disciplines. Students take the NYS Regents Examination for the course in June.

Advanced United States History and Government

1.0 Credit

(This course is approved for 6 college credits through SUNY Erie)

Exam: *Regents*

Prerequisites: *Global History & Geography 10 as well as a teacher recommendation and mastery-level success in previous Social Studies' coursework and assessments*

Course Description: This course may be substituted for the required United States History and Government course. It is designed to prepare students for both the NY State Regents'

Examination and to attain college credit course credit (HI101 and HI102) that may transfer to SUNY colleges and most two and four-year colleges. The course is a chronological treatment of U.S. history from the colonial era to present. This course is designed for the highly motivated, college bound student with emphasis placed on reading and writing skills as well as interpretations and analysis of historical documents. All students prepare for local exams as well as the NYS Assessment, which is required for graduation. Students interested in credit through ECC must pay the required fees.

This course is weighted to carry 1.10 added Grade Point Average value points.

Economics & Government

1.0 Credit

Exam: *Local*

Prerequisites: *US History*

Course Description: Instruction in this course will focus on the fundamentals of economic theory and its practical applications. Inquiry units will be utilized to explore both micro and macroeconomic concepts, with topics ranging from financial literacy to corporate social responsibility. Class activities and projects will allow students to investigate economic problems and solutions, and ultimately learn to make good choices as citizens. In addition, we will learn about the rights and roles of citizens in a constitutional republic. Students will explore the functions of government at the local, state, and federal levels, as well as examination of Constitutional frameworks through historical and contemporary precedents. An emphasis will be placed on the means by which citizens can effect change in a democratic society. This is done through the completion of a civics portfolio and activist campaign aligned with New York's Seal of Civic Readiness. Through this process, students will identify a social problem and a policy that addresses that issue, and then conduct a campaign to advocate on behalf of that policy utilizing a variety of organizing strategies.

Advanced Economics & Government (PST 101) & (ECN 203)

1.0 Credit

(This course is approved for 6 college credits through Syracuse University)

Exam: *Local*

Prerequisites: *United States History and Government as well as a teacher recommendation and mastery-level success in previous Social Studies' coursework and assessments.*

Course Description: A Government class where students will develop the social science skills to define and identify policy components; you'll use graphs, tables, and statistics to analyze and communicate your ideas. Students will identify a social problem and propose a policy to deal with it—defending the costs and outlining the expected benefits—becoming a more informed citizen, worker, and consumer. Also, this course examines Western economic thought by starting with a one-person society and asks how this person makes choices, especially when other individuals are introduced and resources become scarce. You will learn how micro and macro economic theory affects our personal lives, and investigate the role governments play in creating and solving global economic challenges. Our journey will lead us to the complex, industrialized society we live in today.

This course is weighted to carry 1.10 added Grade Point Average value points.

Advanced Foundations of Western Civilization (HI 100)

0.5 Credit

(This course is approved for 3 college credits through SUNY Erie)

Exam: *Local*

Prerequisites: *12th grade only (Grade 11 with Department approval). Enrollment in this course*

requires teacher approval and mastery level success in previous Social Studies' coursework and assessments.

Course Description: This elective course surveys the classical world - Minoan Crete, Sparta, Athens, Macedonia, and Rome - and addresses its role in the formation of modern western civilization. This course is designed for the highly motivated, college bound student with great emphasis placed on reading and writing skills as well as interpretations and analysis of historical documents. This college course (HI 100) is offered through a partnership between Cleveland Hill High School and Erie Community College. Upon successful completion of this course, students can earn three transferable college credits for a low cost.

This course is weighted to carry 1.10 added Grade Point Average value points.

Advanced History of World War II (HI 241)

0.5 Credit

(This course is approved for 3 college credits through SUNY Erie)

Exam: Local

Prerequisites: *12th grade only (Grade 11 in exceptional Department-approved situations). Enrollment in this course requires teacher approval and mastery level success in previous Social Studies' coursework and assessments.*

Course Description: This elective course examines World War II - the broad historical background, the military, diplomatic, technological, social, and cultural histories, and its enduring impact on the societies of the world. This course is designed for the highly motivated, college bound student with great emphasis placed on reading and writing skills as well as interpretations and analysis of historical documents. Enrollment in this course requires teacher approval and mastery level success in previous social studies' coursework and assessments. This college course (HI 241) is offered through a partnership between Cleveland Hill High School and Erie Community College.

This course is weighted to carry 1.10 added Grade Point Average value points.

Holocaust and Genocide

0.5 Credit

Exam: Final Project

Prerequisites: *Open to Grades 11 and 12 (Grade 10 honors-level students with teacher recommendation).*

Course Description: A study of the Holocaust and other acts of genocide addresses one of the central tenets of education, which is to examine what it means to be a responsible and active citizen and have a more global understanding of society and history. One component of this is to help students understand the consequences of hatred, prejudice, and discrimination. Most of the course will focus on the Nazi Holocaust, but investigations into other acts of genocide will be made. When focusing on the Nazi Holocaust, traditional history will be studied. However, significant portions of the course of study will focus on historical individuals (victims, bystanders, resisters and perpetrators) as well as the aftermath of the Holocaust.

African American Studies

0.5 Credit

Exam: Final Project

Prerequisites: *Open to Grades 11 and 12 (Grade 10 for students who achieved an 80% or higher on their 9th grade social studies final exam).*

Course Description: The purpose of this course is to gain a broader and deeper understanding of African- American History. The main approach will be to dig deeper into traditional African cultures, untold stories of African-American History and to study the impact African-Americans have had on America today. Remember this is an elective course. It is meant to be

fun and educational at the same time. You will be required to work hard, but it will not be as taxing as a non-elective course or a college level course.

Academic Intervention Services (AIS)

Non-Credit Bearing

Prerequisites: *Open to grades: 9-12 with parent, teacher, counselor, student, and/or administrator recommendation*

Course Description: Academic Intervention Services, is a non-credit bearing course meant to help students be more successful in social studies. Designed to offer extra help in social studies. AIS meets every other day in sections specifically tailored for remedial assistance in Global History and US History. With their teachers, students will preview and review social studies' skills, vocabulary, and content. Teachers will work with students to ensure that assignments for students' day-to-day social studies classes are completed and completed well. Time will be spent preparing students for tests and quizzes, midterms and finals, and eventually required Regents Exams. The goal is to help students work toward improvement, graduation, and excellence.



Mathematics Department

Algebra 1 A

1.0 Credit

Exam: *Local*

Prerequisites: *Successful completion of 8th grade mathematics*

Course Description: Common Core Algebra I A will be the first year of a 2-year course, fulfilling the algebra standards set by the New York State Board of Regents. The same curriculum as the Algebra I course will be used, however, the material will be covered at a slower pace. At the end of the second year, after successfully completing Common Core Algebra IB, students will be required to pass the Common Core Algebra I Regents exam to fulfill the Regents exam graduation requirement in mathematics. Topics include Number Theory, Solving Equations & Inequalities, Systems of Equations and Inequalities.

Algebra 1 B

1.0 Credit

Exam: *Regents*

Prerequisites: *Algebra 1 A*

Course Description: Common Core Algebra I B is the second year of a two-year Algebra course, fulfilling the Algebra I standards set by the State Board of Regents. Students will take the 3-hour Common Core Algebra I Regents exams in June. Upon successful completion of the exam, they will fulfill the Regents math examination requirement for graduation. Topics include: Graphs & Functions, Graphing Linear Equations, Exponents & Exponential Functions, Quadratic Equations & Functions, Factoring, Sequences.

Algebra I

1.0 Credit

Exam: *Regents*

Prerequisites: *Successful completion of 8th grade mathematics*

Course Description: The following topics are covered: Statistics, Building Blocks of Algebra, Linear Equations and Inequalities, Functions, Linear Functions and Arithmetic Sequences, Systems of Linear Equations and Inequalities, Exponential Functions and Geometric Sequences, Polynomials, Quadratic Functions, Roots and Irrational Number, and Functions and Modeling. Students will be prepared to take the Common Core Algebra I Regents Exam at the end of the year. Passing the Algebra assessment is required for graduation. Completion of the course satisfies one of the three units required for graduation.

Geometry

1.0 Credit

Exam: *Regents*

Prerequisites: *Algebra 1*

Course Description: Geometry is the second course in Advanced Regents Mathematics for high school students. This course is meant to lead students to an understanding that reasoning and proof are fundamental aspects of mathematics and something that sets it apart from other sciences. The course will cover parallel lines, triangle congruence, quadrilaterals, coordinate

proofs, circles and transformations.

Geometry Honors

1.0 Credit

Exam: Regents

Prerequisites: Successful completion of the Algebra I as well as a teacher recommendation and mastery-level success in previous Mathematics' coursework and assessments.

Course Description: Common Core Geometry is the second course in mathematics required for the Advanced Regents Diploma for high school students. This course is meant to lead students to an understanding that reasoning and proof are fundamental aspects of mathematics and something that sets it apart from other sciences. The course will cover parallel lines, triangle congruence, quadrilaterals, coordinate proofs, circles, measurement, and transformations.

This course is weighted to carry 1.05 added Grade Point Average value points.

Algebra II

1.0 Credit

Exam: Regents

Prerequisites: Successful completion of Geometry, as well as teacher recommendation and mastery-level success in previous Mathematics' coursework and assessments.

Course Description: Common Core Algebra II is a continuation and extension of Algebra I and Geometry. Polynomial, absolute value, radical, trigonometric, exponential and logarithmic functions will be studied. Probability and Statistics are also explored. This is the third and final regents course required for the Advanced Regents Diploma. A Regents exam will be given in June.

Algebra II A

1.0 Credit

Exam: Local

Prerequisites: Successful completion of Algebra I and Geometry, as well as teacher recommendation and mastery-level success in previous Mathematics' coursework and assessments

Course Description: Common Core Algebra II A is a continuation and extension of the two courses that precede it. Polynomial, absolute value, radical, exponential and logarithmic functions will be studied. This is the first year of a two-year course where students are expected to take Common Core Algebra II B the following year.

Common Core Algebra II B

1.0 Credit

Exam: Regents

Prerequisites: Algebra II A

Course Description: Common Core Algebra II B is a continuation and extension of the three courses that precede it. Trigonometric Functions, Probability and Statistics will be studied. This is the second year of a two-year course. Students will be expected to take the state assessment in January. Students that do not pass will be expected to retake the exam in June.

College Prep

1.0 Credit

Exam: Local

Prerequisites: 2 years of math including 1 year of Algebra.

Course Description: This course is designed to prepare students for entry-level mathematics at

the college level. Topics include advanced algebra, geometry, discrete math and trigonometry. Please note that this course does not cover all topics required for the Geometry and Algebra II Regents Exams.

Pre-Calculus

1.0 Credit

(This course is approved for 3 college credits through SUNY Buffalo State University)

Exam: Local

Prerequisites: Algebra II

Course Description: This course lays the foundation and begins a rigorous two-year sequence in math aimed at the possibility of obtaining college credit in Calculus at the successful conclusion of the second year. A comprehensive dual (algebraic and graphical) approach incorporating the use of the graphing calculator will cover, first, a review of fundamental concepts or prerequisite math, then move on to Functions and their Graphs, Rational Functions, Equations and Inequalities, Relations and their Inverses, Conics and Trigonometric Functions.

This course is weighted to carry 1.1 added Grade Point Average value points.

Calculus

1.0 Credit

(This course is approved for 3 college credits through SUNY Erie)

Exam: Local

Prerequisites: Pre-calculus

Course Description: This course is the culmination of the accelerated mathematics program at Cleveland Hill High School. The course will be paced at and follow a first semester college Calculus course offering a dual (algebraic and graphical) approach to the study of Limits and Continuity, Derivatives and their applications, as well as Integrals and their applications. All students will have the option of taking the AP Calculus exam for possible college credit. The use of the graphing calculator will be expanded for enhanced concept development and problem solving.

This course is weighted to carry 1.10 added Grade Point Average value points.



Science Department

Introduction to Science

1.0 Credit

Exam: *Local*

Prerequisites: *Reserved for 9th grade students meeting the criteria listed below (satisfies graduation requirement in Science)*

Course Description: The Introduction to Science course is intended for first year high school students that exhibit specific skill deficits and/or classified learning disabilities (or other disabilities that might impact a student's learning). The goal of this course is to provide incoming ninth grade students with a strong foundation in science skills that will better prepare them for Regents based courses in their future. The course will focus on interactive opportunities for students to increase their skill acquisition, through targeted focus on units drawn from the Biology and Earth Science curricula. Students will be required to engage in higher order thinking skills as they practice classifying, analyzing, making inferences, developing hypotheses and making predictions, practicing their graphing skills, and interpreting data. Successful completion of Introduction to Science will find the students enrolling in Regents Biology the following year.

Living Environment - Biology

1.0 Credit

Exam: *Regents*

Prerequisites: *Successful completion of 8th grade science*

Course Description: This course is intended to provide a general understanding of the fundamental principles of Biology and to provide an extension of understanding in selected areas. Included in the seven core areas are unity and diversity among living things, maintenance in living things, human physiology, reproduction and development, transmission of traits through generations, evolution, reproduction of species, internal and external equilibrium, ecology and human impact on the environment. The student, through labs and related experiences, is encouraged to be able to draw useful conclusions from presented information. Satisfactory completion of all required laboratory reports is a mandatory prerequisite to the Regents Assessment. All students will be prepared for the NYS Living Environment Assessment required for graduation.

Living Environment- Biology Honors

1.0 Credit

Exam: *Regents*

Prerequisites: *A teacher recommendation and mastery-level success in previous Science coursework and assessments.*

Course Description: Honors Biology provides the same understanding of the principles of Biology as the regular course. Laboratory requirements and the expectations of each student with regard to the NYS Science Assessment are the same. Honors Biology provides an enhanced opportunity for students to explore the living world. Field Trips, guest lecturers, along with a greater emphasis on reading and writing in the content area makes the Honors section a greater

challenge for the students involved.

This course is weighted to carry 1.05 added Grade Point Average value points.

Physical Setting - Earth Science

1.0 Credit

Exam: Regents

Prerequisites: *Living Environment - Biology*

Course Description: This course is investigative in nature and is student activity oriented. The theme of this course is that we live on a dynamic earth that is constantly changing. After students are acquainted with standard observation and measurement techniques, they concentrate their study on the earth, its motions and its place in the solar system. Atmosphere and energy changes and how they influence the earth's features are also analyzed. The student, through labs and related experiences, is encouraged to be able to draw useful conclusions from presented information. Satisfactory completion of all laboratory reports is a mandatory prerequisite to take the Regents Assessment. All students will be prepared for a locally prepared final exam as well as for the NYS Science Assessment required for graduation.

Physical Setting - Earth Science Honors

1.0 Credit

Exam: Regents

Prerequisites: *A teacher recommendation and mastery-level success in previous Science coursework and assessments.*

Course Description: Honors Earth Science provides the same understanding of the principles of Earth Science as the regular course. Laboratory requirements and the expectations of each student with regard to the NYS Science Assessment are the same. Honors Earth Science provides an enhanced opportunity for students to explore their study of the Earth, its motions, and its place in the Solar System. Field Trips, guest lecturers, along with a greater emphasis on reading and writing in the content area makes the Honors section a greater challenge for the students involved.

This course is weighted to carry 1.05 added Grade Point Average value points.

Physical Setting - General Chemistry

1.0 Credit

Exam: Local

Prerequisites: *Earth Science and Living Environment - Biology. This course is designed for students who are not prepared to move on to Regents level Chemistry or Physics as their third science credit.*

Course Description: This non-lab-based course is geared to students who are interested in Chemistry but not on a Regents level. Topics that will be covered are: Alchemy-Matter, Atomic structure and Bonding, Smells- Molecular structure and properties, Weather- Phase changes and behavior of gasses.

Physical Setting - Chemistry

1.0 Credit

Exam: Regents

Prerequisites: *Earth Science and Living Environment - Biology with minimum scores of 80% on regents exams. Preferably Enrolled in Geometry or Trigonometry.*

Course Description: This course is designed to meet the needs of college-bound students. It is especially necessary in today's "high tech" society. The emphasis of this course is to develop an understanding of basic concepts, which help to explain the behavior of matter. This course

begins by studying the behavior of solids, liquids and gasses. It then looks “behind the scenes” for a careful look at the structure of the atom and the nature of the chemical bond. These understandings are then used to explore the following topics: Solutions, Acid and Bases, Electrochemistry, Kinetics and Equilibrium, and Organic Chemistry.

The laboratory work allows the students to work with lab equipment and to develop skills that are useful in a variety of careers. Satisfactory completion of all required laboratory reports is a mandatory prerequisite to the final examination. The NYS Regents exam is the final exam for the course.

Advanced Biology

1.0 Credit

(This course is approved for 8 college credits through SUNY Erie)

Exam: Local

Prerequisites: *Earth Science, Living Environment - Biology, and Regents Chemistry.*

Course Description: This course is intended for the student who wishes to continue in science beyond the normal NYS required science sequence. A student who has completed all the Regents Science offerings before his/her senior year could take this course. Advanced Biology is intended for the student interested in earning credit for college or for the student who wants a more enriched and thorough knowledge of biology. This course is aimed to provide the student with a conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of Biology. The course involves lectures, laboratory work and independent study covering the core areas of Molecules and Cells, Genetics and Evolution, and Organisms and Populations. All students interested in college credit (8) through ECC will pay the required fees

This course is weighted to carry 1.10 added Grade Point Average value points.

Survey of Anatomy and Physiology

1.0 Credit

(This course is approved for 4 college credits through SUNY Erie)

Exam: Local

Prerequisites: *Regents Earth Science, Living Environment - Biology, Regents Chemistry & Advanced Biology.*

Course Description: This course is structured for the student that has successfully completed the Advanced Biology and wants to continue in the field of biology. This class will be an overview of structures and functions of the human body systems. Detail oriented study skills, higher cognitive reasoning for relating structure to function along with memorization are key for success in this class. This course will involve lectures with PowerPoints, laboratory work (both group and individual), classroom discussions, multimedia, study of various models and independent study covering the eleven human body systems along with anatomical terminology and some basic biochemistry. All students interested in college credit (4) through ECC will pay the required fees.

This course is weighted to carry 1.10 added Grade Point Average value points.

Physical Setting - Physics

1.0 Credit

Exam: Regents

Prerequisites: *Regents Earth Science, Living Environment - Biology, Regents Chemistry*

Course Description: This course presents a modern view of physical phenomenon. The content of the course consists of a thorough student of the forces that affect mankind. This is

accomplished through an in-depth study of mechanics, heat and wave theory, electricity and magnetism, and atomic and nuclear physics. The methods of thought and action of both class and lab should remain with the student long after many specific details of subject matter are forgotten. These skills are a natural continuation of those developed in earth science, biology, and chemistry and culminate in physics. If a student's goal is to pursue a future in any engineering field, professional science, technology, medical and all healthcare related services, among other areas, the student should find physics a necessary propagator course. Satisfactory completion of all required laboratory reports is a mandatory prerequisite to the final examination.

Forensic Science

0.5 Credit

Exam: *Local*

Prerequisites: *Earth Science and Living Environment - Biology. This course is designed for students who are not prepared to move on to chemistry or physics as their third science credit.*

Course Description: This science course is designed to accommodate students who need a third-year science credit. An investigation into the scientific techniques used to solve crimes will be explored. Skills such as observation, data collection and interpretation, along with analysis will be taught. Laboratory experiments will be conducted to enhance classroom discussion of techniques used in crime scene analysis while students gain valuable hands-on experience in a scientific setting. Crime fiction and real-life cases will be included to help improve scientific literacy and awareness for students.

Environmental Science

0.5 Credit

Exam: *Local*

Prerequisites: *Earth Science and Living Environment -Biology. This course is designed for students who are not prepared to move on to Chemistry or Physics as their third science credit.*

Course Description: This science course is designed to accommodate students who need a third-year science credit. It is intended for students at all levels who are interested to learn more about man and his environment. The course is designed to include the ecology of the local Community so that the students may investigate local environmental problems.

Appropriate laboratory activities will be utilized as an integral part of the course. The major areas of study will include the following topics: Ecosystems, Habitats and Niches, Population and Communities, Pollution, Biomes, and Man's role in the environment. Particular emphasis will be placed on the practical aspects of the listed topics and their relationship to our community. The students' progress will be evaluated using tests and quizzes, labs, class work, and discussions.



Spanish Department

Spanish I

1.0 Credit

Exam: *Local*

Prerequisites: *None*

Course Description: This course is designed for students who are just beginning their study of Spanish. This course covers Checkpoint A of the NYS Syllabus, which incorporates the NYS Learning Standards. Students will be prepared to successfully complete the NYS Proficiency Exam.

Spanish II

1.0 Credit

Exam: *Local*

Prerequisites: *Spanish I*

Course Description: The students will complete the first half of Checkpoint B of the NYS Syllabus, which incorporates the NYS Learning Standards. This course has a locally developed assessment and all students will be prepared to move onto Spanish III to complete the Regents sequence for Foreign Language.

Spanish II Honors

1.0 Credit

Exam: *Local*

Prerequisites: *Spanish I and recommendation by a Spanish teacher*

Course Description: The basic content areas are aligned in Spanish II, however the material will be studied in more depth and culture will be addressed in greater detail. This course has a locally developed assessment and all students will be prepared to move onto Spanish III to complete the Regents sequence for Foreign Language.

This course is weighted to carry 1.05 added Grade Point Average value points.

Spanish III

1.0 Credit

Exam: *Local*

Prerequisites: *Spanish II*

Course Description: The students will complete Checkpoint B of the NYS Syllabus that incorporates the NYS Learning Standards. This course has a locally developed assessment. The third year develops and expands the language skills introduced in the first and second years, giving students the skills and confidence to use their language knowledge in the real world. Cultural information and insights are integrated into each lesson providing a natural contextual link to the communication-based grammar structures.

Spanish III Honors

1.0 Credit

Exam: *Local*

Prerequisites: *Spanish 2H or recommendation by a Spanish teacher*

Course Description: Spanish 3 honors takes a more in depth look at the Checkpoint B standards as indicated by the NYS Syllabus. Through a variety of communicative and written activities, students will work independently and with peers to interact in the language, simulating real world experiences. This course has a locally developed assessment and will prepare students for the rigor of Spanish 4.
This course is weighted to carry 1.05 added Grade Point Average value points.

Spanish IV

1.0 Credit

(This course is approved for 3 college credits through Hilbert College)

Exam: *Local*

Prerequisites: *Spanish III and teacher recommendation. Open to grades: 11-12. Admission to this course is by teacher and department recommendation, based on our curriculum requirements, grades, attitude and behavior.*

Course Description: This advanced level elective course is structured for students with a serious interest in the Spanish language and culture as well as a solid foundation of grammar and vocabulary skills. Culture, history, and literature from Spain and Latin America will be incorporated into the course as well as a focus on using Spanish for professions and leisure. Students will participate in multiple cultural projects, and extracurricular activities involving Spanish will also be offered.

This course is weighted to carry 1.10 added Grade Point Average value points.

Advanced Spanish V

1.0 Credit

(This course is approved for 3 college credits through Hilbert College)

Exam: *Local*

Prerequisites: *Spanish IV and teacher recommendation. Open to grades: 11-12. Admission to this course is by teacher and department recommendation, based on our curriculum requirements, grades, attitude and behavior.*

Course Description: Spanish 5 is a college course, which is directly aligned with the Hilbert College Spanish 103 curriculum. Upon successful completion of the course and final exam, students have the option to receive 3 college credits that are transferable to any college or university. Students in Spanish 5 will have the opportunity to use the skills that they have acquired to read, write and discuss various topics including literature, immigration, art, poetry, the environment and theater.

This course is weighted to carry 1.10 added Grade Point Average value points.



Art Department

Studio in Art

1.0 Credit

Exam: *None*

Prerequisites: *None*

Course Description: This course is a Prerequisite for the other Art Courses. This is designed to have the basic foundation for other advanced art courses. This course is designed for both Art majors planning on taking other Art courses and for the students needing to fulfill the one unit of Art/Music credit requirement. Studio in Art explores Art from the past and present, along with possible careers in the Art field. It includes an introduction to various drawing, painting and sculpture mediums; pencil, charcoal, watercolor, tempera, acrylic, oil & chalk pastel, clay, paper mache etc. This course will be centered around the Elements and Principles of Design.

Drawing

0.5 Credit

Exam: *Final project*

Prerequisites: *Studio in Art. Open to grades 10-12*

Course Description: This course is designed to improve the student's drawing and observation skills as an artist, by experimenting in both traditional & contemporary techniques. A wide variety of art materials will be explored in: pencil, charcoal, colored pencils, oil & chalk pastels, pen & ink/ brush. The student will notice a significant improvement in their drawing skills while building work for a portfolio.

Painting

1.0 Credit

Exam: *Final project*

Prerequisites: *Studio in Art AND Drawing. Open to grades 11-12*

Course Description: This course is designed to familiarize the student with various types of painting styles throughout history. The students will gain experience with the following painting mediums: watercolor, tempera, acrylic and oil paints. Design and composition are emphasized in this course. The students will continue to build on their portfolio with this course.

Introduction to Photography

1.0 Credit

Exam: *Final project*

Prerequisites: *Studio in Art. Open to grades 10-12*

Course Description: This course will be half darkroom/black & white photography & half digital/Photoshop photography. It will offer the students a wide range of fundamental skills necessary to take the first steps in learning to see with a camera. The students will learn and use the basic concepts of black & white photography including: camera operations, film processing, darkroom printing photographs, manipulation of images, as well as presentation. (Mounting & matting their prints) The

students will also learn to set up a studio Photos along with the program Photoshop to alter photographs. This course requires students to take photographs outside of school time and to spend extra time in the darkroom. The students will continue to build on their portfolio with this course.

Introduction to Ceramics

0.5 Credit

Exam: *Final Project*

Prerequisite: *Studio in Art. Open to grades 10-12*

Course Description: This course will introduce students to ceramics throughout history, ancient culture and contemporary times. The students will focus on creating three-dimensional & relief sculptures. Students will be introduced to both hand building techniques (slab & coil construction) as well as throwing techniques. They will gain an understanding of the ceramics materials: clay, glazes and ceramic tools, while learning the proper way to use the ceramic equipment; wedging board, kiln, and potter's wheels. Each project will be glazed or painted for show. Throughout this course, students will build three-dimensional work to include in their portfolio.

Independent Study

0.5 Credit/1.0 Credit options

Exam: *None*

Prerequisite: *The Arts sequence graduation requirement. Open to grades: 11-12. Recommendation from teacher.*

Course Description: This course is specifically designed by the student and instructor to tailor the needs of the independent study Art student. The student will study a given problem and seek a solution through independent research and studio work.



Music Department

Chorale

1.0 Credit

Exam: None

Prerequisite: None, open to grades: 9-12

Course Description: A course offered to vocalists in grades 9-12 that has the following objectives: To improve the quality of the singing and speaking voice and cultivate good habits of posture and deep breathing. To participate more effectively in vocal performance and to develop poise and confidence. To gain personal satisfaction through expression and to become familiar with a wide range of musical genres. To correlate vocal music to history, literature, and language

NOTE: Participation in concerts is required for Band and Chorus courses

Concert Band

1.0 Credit

Exam: None

Prerequisite: None, open to grades: 9-12

Course Description: To continue the study of wind and percussion instruments at an advanced level in a heterogeneous musical environment with the goal of performing, creating, understanding, and appreciating musical literature and its composers. Students enrolled are required to participate in regularly scheduled rehearsals during the school day, group lessons on a rotating basis and all scheduled concerts. Grades are based on successful performance of assigned music/materials and attendance at lessons and at all scheduled rehearsals and performances.

Music Theory

1.0 Credit

(This course is approved for 3 college credit through SUNY Buffalo State University)

Exam: Local

Prerequisites: None, open to grades 9-12

Course Description: Course designed to help the music student with limited background in music theory study the basic elements of music. Topics include notation, rhythm, scales, key signatures, intervals, chords, beginning level melodic and rhythm dictation, ear-training and sight singing skills. At least 2 years of middle school or high school band or chorus experience is recommended.

This course is weighted to carry 1.10 added Grade Point Average value points.

Music History

0.5 Credit

Exam: Final Project

Prerequisites: None, open to grades 9-12

Course Description: *An American Journey* will explore the vital cultural role that music has played since our nation's inception. The course will provide a broad study of various forms of American music, including accounts of spirituals from enslaved peoples in the 1800s, the birth and evolution of rock 'n' roll, jazz, hip-hop, punk, and other genres, while continuing through to the role of social media as an influential means of 21st Century artistic expression. Students will engage in historical study, listening

appreciation, and a number of hands-on creative activities as well as exposure to guest speakers. The course will provide a comprehensive overview of music as a driving force in American life.



Technology

Design and Drawing for Production (DDP)

1.0 Credit

Exam: *Local*

Prerequisites: *None*

Course Description: DDP is a course, which emphasizes creative problem solving, designing, and technical drawing. The course reflects the approach used in business and industry to develop new products. Students develop solutions to various design or product problems and proposed solutions are researched, sketched and refined.

Advanced CAD

0.5 Credit

(This course is approved for 3 college credit through SUNY Erie)

Exam: *Local*

Prerequisites: *Design and Drawing for Production. Open to grades: 10-12*

Course Description: A Technology Education course that develops Computer-Aided-Drawing concepts and how they are applied in the manufacturing world. Units in section views, auxiliary views, threads and fasteners, and assembly drawings will be presented as an applied approach utilizing industry accepted engineering software.

This course is weighted to carry 1.10 added Grade Point Average value points.

Advanced CAM

0.5 Credit

(This course is approved for 3 college credit through SUNY Erie)

Exam: *Local*

Prerequisites: *Design and Drawing for Production. Open to grades: 10-12*

Course Description: A course that assists students to acquire a perspective of how Computer-Aided Drawing is interfaced with the manufacturing process. Completed drawings will be transferred to a and reprogrammed to create actual parts on computer- numerical-controlled milling machines and lathes.

This course is weighted to carry 1.10 added Grade Point Average value points.

Architectural Drawing

0.5 Credit

Exam: *Local*

Prerequisites: *Design and Drawing for Production. Open to grades: 10-12*

Course Description: A Technology Education course that provides basic understanding and appreciation of architectural design. Students will design and develop floor plans, elevations, plot plans, pictorial drawings.

Residential Structures and Model Making

0.5 Credit

Exam: *Local*

Prerequisites: *Design and Drawing for Production. Open to grades: 10-12*

Course Description: A Technology Education course that explores the structural concepts related to residences and small commercial structures. Some of the drawings that will be developed are foundation plans, electrical plans, plumbing plans, wall sections, and isometric steel structures. Students will create their own scale house model from basic floor plans.

Survey of Technology

0.5 Credit

Exam: *Final Project*

Prerequisites: *None, open to grades: 9-12*

Course Description: A Technology Education course that presents a variety of concepts related to the different technologies utilized in our world. Units in bridge building, rockets and wood projects will be covered in this hands-on course.

Home Systems

0.5 Credit

Exam: *Local*

Prerequisites: *None, open to grades: 9-12*

Course Description: This course is a hands-on approach dealing with safety, methods, tools, materials, and careers associated with home construction. Activities include building a full size shed, basic electricity, plumbing and repairs based on home construction. Approximately 75% of the time will be spent on hands-on activities that will reinforce and apply the material covered in class lessons and research information.

Electricity/ Electronics

0.5 Credit

Exam: *Final Project*

Prerequisites: *None, open to grades: 9-12*

Course Description: This course is a hands-on approach dealing with basic electronic circuits, proper tool use, and careers in electronics. Robotics and electric motors are demonstrated with practical experiments to help the students know how and why these systems work.



Business and Career Development & Occupational Studies

Accounting

1.0 Credit

(This course is approved for 3 college credit through SUNY Buffalo State University)

Exam: *Local*

Prerequisites: *None, open to grades: 9-12*

Course Description: Would you like to explore a new career field? Would you like to learn about the profit motive and how it is measured? Introduction to Accounting is a one-unit course designed to develop competence in the application of accounting theory. Students will process transactions through the entire accounting cycle in a service and merchandising business. They will be required to process accounts receivable, accounts payable, payroll and transactions specific to a service business.

This course is weighted to carry 1.10 added Grade Point Average value points.

Business Law

1.0 Credit

(This course is approved for 3 college credit through SUNY Buffalo State University)

Exam: *Local*

Prerequisites: *None, open to grades: 10-12*

Course Description: This course will benefit all students and will help them to understand the business world they will interact with in their future. Major units of study will include Real Estate, Sales, Leases, Automobile Ownership, Money and Banking, Insurance, Wills, Bailment, Agency Relations, Stocks and Bonds and Business Ownership. Personal Law will include marriage, divorce, adoption, guardianship, and other social contracts. Business Law is required in all business-related programs at the college level. It may also be used to learn about and explore the many different career fields it touches upon.

This course is weighted to carry 1.10 added Grade Point Average value points.

Career and Financial Management (CFM)

1.0 Credit

Exam: *Local*

Prerequisite: *None, open to grades: 9-12*

Course Description: CFM is a full year course that covers the big topics everyone should be familiar with before they turn 18 years old. Saving, spending, earning, budgeting, borrowing, and working are all covered in depth. Lessons on insurance and taxes are covered as well. This class helps prepare students with the knowledge they need to open their own bank accounts, start their own budget, apply for their first job, understand how credit works, and the importance of establishing good credit.

Career Exploration Internship Program (CEIP)

1.0 Credit

Exam: *Final Project*

Prerequisite: *None, open to grade: 12*

Course Description: Before graduating high school, demonstrate your employability skills, gain mentoring and confidence, and build your resumé by completing an unpaid internship in the career field of your choice. This is an opportunity that allows you to work with a mentor to gain experience in a career field. This is also an excellent opportunity to explore and help better determine what you want to do after high school. Some internship placement opportunities can include experience in the financial industry, marketing, healthcare, engineering, education, and technology just to name a few!

**Working Papers Required , 108 hours of internship experience (unpaid), and personal transportation must be available and provided to and from your placement*

College Success

0.5 Credit

Exam: *Local*

Prerequisites: *None, open to grade: 11*

Course Description: This course provides the students the opportunity to explore methods and strategies to promote personal growth and success in college and in life. This course is also designed to help students who plan on going to college be better prepared for their first year of college. Topics Include: Time management, Critical Thinking, Communicating Clearly, Note Taking, Taking exams/tests, Relationships/Diversity, and Staying Healthy. This course is mandatory for all juniors to take and is a graduation requirement.

Entrepreneurship

1.0 Credit

Exam: *Final Project*

Prerequisites: *None, open to grades: 10-12*

Course Description: This hands-on course is designed to introduce the students to the world of small business ownership and management. It will allow you to tap into your innovative and competitive spirit to learn what it takes to run a business. You will also be able to work in teams to practice management and communication skills. Topics include marketing, management, business law, financial management, competition, communication, human resources, location and setting up your business.

Marketing

1.0 Credit

Exam: *Local*

Prerequisites: *None, open to grades: 10-12*

Course Description: Description: Students learn about the 4 P's of Marketing. Product, Place, Price, and Promotion through a series of lessons on some of the most popular products and companies. We take a look at social media and advertising, brands and logo creation, product development, corporate social responsibility, and how to identify target markets! Creative minds are welcome in this class because there are many opportunities for your ideas to come to life online and offline.

Sports & Entertainment Management

0.5 Credit

Exam: *Final Project*

Prerequisites: *None, open to grades: 10-12*

Course Description: This course is an investigation of the scope of the sports and entertainment industry. Functions of management, skills, and attributes required of a manager and roles of a manager are discussed. Attention focused on how the managerial process related to the sports and entertainment organizations and their products. Students will become acquainted with career opportunities in the sports and entertainment management field.

Windows and Web Pages

0.5 Credit

Exam: *Local*

Prerequisites: *None, open to grades: 9-12*

Course Description: This class is great for those who love technology as well as those who need a little more practice. We start the year with the ins and outs of word processing and then we move into coding and spreadsheets. The end of the year focuses on tools used to design web pages. Throughout the course we discuss the many exciting careers related to working with computers!

**This course can be counted as a Technology credit for the graduation requirements, as well.*



Health and Physical Education Department

Physical Education

0.5 Credit

Exam: *None*

Prerequisites: *This course is required every year*

Course Description: The physical education curriculum at Cleveland Hill is geared to provide a variety of activities that promote psychomotor skills, cognitive knowledge and an appreciation of physical activity. Students will perform motor and manipulative skills and be assessed in some of these skills to evaluate performance progress. Students are encouraged to identify, compare, and evaluate the components of physical fitness and wellness as they are presented within class lessons. Students are also encouraged to design and analyze fitness programs that enhance healthier living through physical activity. Components of the curriculum are designed to enhance fitness, encourage athletic involvement and to stimulate an understanding of the realm of sport. Active participation is stressed and activities are offered to promote lifetime involvement so that our students may enjoy a more active and healthier adult life.

Health

0.5 Credit

Exam: *Local*

Prerequisites: *This course is required for graduation. Open starting in grade 10.*

Course Description: Health Education is mandated by the State of New York for all high school students. Here at Cleveland Hill, Health is a one-half credit course that is taught every other day during a student's sophomore year and must be successfully completed for graduation. Health examines the concept of total health focusing on the three primary interrelated areas of physical health, mental health, and social health. Many common problems both locally and worldwide will be studied. We will cover such topics as food and nutrition, physical fitness, human body systems and development, stress and coping skills, violence prevention, drug use and abuse, disease and illness, and obesity, as well as many other areas.

Parenting

0.5 Credit

Exam: *Local*

Prerequisites: *This course is required for graduation. Open to grade 12.*

Course Description: This Parenting course curriculum will take your child through a human life cycle. A cycle starting from where they are now as a teenager, to becoming an expecting mother or father, to becoming a mother or father, and ending with the raising of a child through adolescence.

Yoga I

0.5 Credit

(This course is approved for 1 college credit through SUNY Erie)

Exam: *None*

Prerequisites: *None, open to grades 10-12.*

Course Description: All Yoga participants are on track to receive high school PE credit with the option

of additional college PE/Elective credit. To obtain 1 college credit per course, Yoga I in the Fall and Yoga II in the Spring semesters, students must register and pay for the credit through ECC. Yoga I is designed to teach the student a variety of yoga postures and yoga breathing techniques to help contribute to their overall fitness, with an emphasis on stretching to increase flexibility and strengthen the body's core. Both Yoga I and Yoga II will practice Mindfulness Techniques, promoting mental, emotional and physical health and wellness strategies.

This course is weighted to carry 1.10 added Grade Point Average value points.

Yoga II

0.5 Credit

(This course is approved for 1 college credit through SUNY Erie)

Exam: *None*

Prerequisites: *None*

Course Description: Yoga II is designed to teach the student a more advanced variety of yoga postures and yoga breathing techniques to help contribute to their overall fitness, with an emphasis on stretching the muscles and strengthening the body's core. Both Yoga I and Yoga II will practice Mindfulness Techniques, promoting mental, emotional and physical health and wellness strategies.

This course is weighted to carry 1.10 added Grade Point Average value points.

Weightlifting I

0.5 Credit

(This course is approved for 1 college credit through SUNY Erie)

Exam: *Local*

Prerequisites: *None*

Course Description: An introductory class emphasizing the development of an individualized weight training program. Students will engage in a variety of strength and endurance training activities, while gaining knowledge about the importance of muscular fitness for a healthy lifestyle.

This course is weighted to carry 1.10 added Grade Point Average value points.

Weightlifting II

0.5 Credit

(This course is approved for 1 college credit through SUNY Erie)

Exam: *Local*

Prerequisites: *None*

Course Description: A class emphasizing the development of an individualized weight training program. Students will engage in a variety of strength and endurance training activities, while gaining knowledge about the importance of muscular fitness for a healthy lifestyle.

This course is weighted to carry 1.10 added Grade Point Average value points.



Career and Technical Education Training in partnership with Erie 1 BOCES

Animal Science I & II

3.75 credits per year

Prerequisites: Open to grades 11-12 (apply during 10th grade)

Course Description: Practice real world diagnostics, animal restraint, grooming techniques, and assess animal vital signs in our hands on pet clinics. Participate in an internship according to your individual interests at veterinary hospitals, animal training facilities, dairy farms, stables, and grooming salons. Meet informative industry professionals such as local wildlife rescue, rehabilitation experts and representatives from the veterinary and animal care industry. Explore a variety of career opportunities.

Auto Technician Training I & II

3.75 credits per year

Prerequisites: Open to grades 11-12 (apply during 10th grade)

Course Description: Prepare to enter the auto field in a dealership, repair shop, parts facility and more. Operate master level technician equipment to diagnose problems. Troubleshoot and repair today's modern vehicles. Experience real world, web-based manufacturer service information. Work towards ASE certification.

Aviation Technology I & II

3.75 credits per year

Prerequisites: Open to grades 11-12 (apply during 10th grade). *Completed 2 credits in Regents level math and 2 credits in Regents level science*

Course Description: Do you want to be the next NASA astronaut or engineer? Experience flight by hands-on operation of a Piper Warrior and take off with a licensed pilot as your teacher. Experience maintenance procedures with the aircraft in class. Create, develop and test modifications to aircraft designs in an engineering exploration style. Conceptualize unmanned technology and understand applications to current technology.

Baking and Pastry Arts I & II

3.75 credits per year

Prerequisites: Open to grades 11-12 (apply during 10th grade)

Course Description: Baking and Pastry Arts offers students an opportunity to understand what goes into creating beautiful finished pastries, breads and cakes. Students will not only produce baked goods in both large and small quantities, but understand the science behind them. Create beautiful show pieces, plated desserts, chocolates and individual pastries in extensive hands-on classes. If you dream of opening your own bakery or stylish café, creating and styling spectacular cakes or preparing desserts for elegant events, a career in pastry arts is for you! This program is certified by the American Culinary Federation (ACF).

Barbering I & II

3.75 credits per year

Prerequisites: Open to grades 11-12 (apply during 10th grade)

Course Description: Leave your mark on the ever-changing world of fashion and beauty! Prepare for the NYS Master Barber's licensing exam. Cut, color, and style male and female clients. Choose the work environment that suits you best! Learn to communicate effectively with clients and colleagues. Master Barbers participate in national organizations and trade shows and many compete in barbering competitions!

Building Trades I & II

3.75 credits per year

Prerequisites: Open to grades 11-12 (apply during 10th grade)

Course Description: Develop, design and construct various structures using 21st century tools and technology. Gain skills and certificates that allow you to be employed anywhere in North America. Develop skills necessary to use and operate the same tools a master carpenter would use. Experience and manage real life construction projects. Discover a variety of careers in the building trades to help make smarter career decisions for your future.

Collision Repair I & II

3.75 credits per year

Prerequisites: Open to grades 11-12 (apply during 10th grade)

Course Description: WNY needs more qualified collision repair technicians! Collision Repair students will participate in a 4-week job shadowing experience at a partnering location during their Junior and Senior years. Paid internships are available throughout the summer. Upon graduation, students are guaranteed a job interview for applicable openings. Apprenticeship opportunities are available to successful graduates.

Cosmetology I & II

3.75 credits per year

Prerequisites: Open to grades 11-12 (apply during 10th grade)

Course Description: Do you want to change people's lives and make them feel good about themselves? As a cosmetologist, you will have the luxury to choose which work environment suits you best. The cosmetologist is an outgoing person with a flair for creativity. Today's beauty professional is a member of the expanding and ever-changing world of fashion and design. If you are innovative and ambitious, there is no limit to your potential!

Criminal Justice I & II

3.75 credits per year

Prerequisites: Open to grades 11-12 (apply during 10th grade)

Course Description: Network and interact with criminal justice professionals at the local, county, state and federal agencies. This includes guest speakers, field trips and internships. Leave the program with the traits needed to be a criminal justice professional, including discipline, integrity and professionalism. Develop a career plan for your area of interest, including college and career planning.

Culinary Arts I & II

3.75 credits per year

Prerequisites: Open to grades 11-12 (apply during 10th grade)

Course Description: Work in a high energy, fast paced environment. Learn about the latest food trends. Create new and exciting foods! Prepare food for actual catered affairs. Experience Work Based Learning at leading restaurants, country clubs and corporations. Employment opportunities while enrolled in the program, EARN WHILE YOU LEARN! This program is certified by the American Culinary Federation (ACF).

Cybersecurity and Networking I & II

3.75 credits per year

Prerequisites: Open to grades 11-12 (apply during 10th grade)

Course Description: Use the latest software to analyze data traffic on a network. Design computer networks and program routers and switches. Troubleshoot PC hardware and operating systems. Get industry standard Network+ and Cisco CCNA certifications while still in high school.

Dental Laboratory Technology I & II

3.75 credits per year

Prerequisites: Open to grades 11-12 (apply during 10th grade)

Course Description: It's an exciting time to enter the dental field with new digital techniques, materials, and equipment. Dental laboratory technology is the art and science of the fabrication of corrective devices and replacements for natural teeth. The course covers five specialties of dental laboratory technology: complete denture, partial denture, crown and bridge restoration, porcelain and ceramics and orthodontics. A combination of science, art, skill and craftsmanship along with a complete comprehension of basic techniques, materials, anatomy and terminology will enable the students to fabricate an appliance from beginning to end.

Digital Media I & II

3.75 credits per year

Prerequisites: Open to grades 11-12 (apply during 10th grade)

Course Description: Create impressive graphics, stunning video and eye popping animation alongside industry professionals. Develop design skills for digital screens and print layouts, short films, photography and animation. Operate software and hardware used by today's digital media workforce.

Early Childhood Education I & II

3.75 credits per year

Prerequisites: Open to grades 11-12 (apply during 10th grade)

Course Description: Work side-by-side with a certified teacher in a daycare or elementary classroom. Participate in work-based learning experiences with the YMCA, Children's Hospital, the Buffalo Zoo, UB Childcare and more. Create and teach your own lessons in a preschool program run right out of our school. Re-experience the fun of your early childhood years through art, music and storytelling.

Electrical Systems I & II

3.75 credits per year

Prerequisites: Open to grades 11-12 (apply during 10th grade)

Course Description: This program focuses on the importance of safety, theory and application of all facets of the electrical industry. Students have the opportunity to complete a 30-hour internship with electricians in the field. Students will learn the codes associated with the electrical industry. Solar and wind technology is an emphasis of this program.

Electronics and Computer Technology I & II

3.75 credits per year

Prerequisites: Open to grades 11-12 (apply during 10th grade)

Course Description: Learn about the latest technology in personal computing, cellular communications, HDTV, virtual reality, Bluetooth, game machines and car audio / video systems. Use soldering irons, hand tools, meters and oscilloscopes to build computers, robots, amplifiers, speakers, wireless devices, power supplies and other "high tech" projects. Picture yourself working with... personal and high performance gaming computers, robots on a factory production floor, drone planes for the government, x-ray machines, MRI and CAT scanners in a medical facility, cellular and fiber

optic communications networks, sound, lighting and special effects equipment on a major concert tour.

Engineering and Robotics I & II

3.75 credits per year

Prerequisites: Open to grades 11-12 (apply during 10th grade)

Course Description: Through hands-on learning projects and skill-based competitions, Engineering and Robotics students prepare for the future by learning how to develop their ideas from concept to reality. Throughout the Design Process, we can take an idea and create just about anything you can conceptualize. Spend some time with us and learn how to build a trebuchet, help us to develop the technology necessary to create a 3D printed “bobblehead”, or create 3D printable parts and artwork from black and white pictures. Utilizing classroom technology, we build a pumpkin throwing trebuchet for annual competition, and a variety of robots for competitions within the classroom, at Tech Wars, and for First Robotics, held annually at RIT.

Fashion Design Technology I & II

3.75 credits per year

Prerequisites: Open to grades 11-12 (apply during 10th grade)

Course Description: Experience what it’s like to produce a “NYC Fashion Week” style show exhibiting original student designs and styled merchandise selections from WNY Fashion boutiques. Meet new friends with similar interests in the fashion industry. Learn to dress, style and create trends based on design elements and the fashion cycle. Get to know the movement of popular fashion by forecasting fashion trends while applying real world fashion skills. Create a successful business plan for a fashion boutique combining your design aesthetics with merchandising concepts.

Health Careers I & II

3.75 credits per year

Prerequisites: Open to grades 11-12 (apply during 10th grade)

Course Description: Health care professionals touch lives and make a difference. According to a recent Gallup Poll, nursing is one of the most trusted professions in America. Get hands-on experience in a variety of health care environments including long term care facilities, hospitals and an internship during your senior year. Develop personal and professional growth in an engaging environment. The need for healthcare professionals will allow you to live or travel wherever you desire while helping others. Tour acute care facilities, hospitals, UB’s Gross Anatomy Lab, colleges, and the Gates Vascular Institute Brain Museum.

Video Production and Recording Arts I & II

3.75 credits per year

Prerequisites: Open to grades 11-12 (apply during 10th grade)

Course Description: Learn to create and produce your own original films and music. Careers in video production and recording arts are very exciting, social, and creative. The video and recording industry is always changing and a VPRA student will have the opportunity to gain experience with cutting edge technology and network with industry professionals. If you are social, creative, and love film or music, then the Video Production and Recording Arts program is for you.



New Visions Academy Programs in partnership with Erie 1 BOCES

Health Related Careers – New Visions, 1 year program

3.75 credits

Prerequisites: Open to grade 12 (apply during 11th grade). *Application and interview required for consideration to enter the program. Students must provide their own transportation.*

Course Description: The medical professional of today is a member of the ever-evolving world of health care. It demands creative critical thinking to deliver high quality and state-of-the-art patient care. Experience a day in the life of a practicing medical professional as they interact with colleagues, patients and families. Students directly observe professionals while providers care and treat a variety of patient conditions. Correlate concepts of government and economics as they relate to today's unique health care challenges.

This course is weighted to carry 1.05 added Grade Point Average value points.

Legal Academy – New Visions, 1 year program

3.75 credits

Prerequisites: Open to grade 12 (apply during 11th grade). *Application and interview required for consideration to enter the program. Students must provide their own transportation.*

Course Description: The Legal Academy program offers an exciting opportunity for selected students to experience a unique alternative to the traditional classroom setting. Develop a network of professional connections through extensive field experiences across WNY. Create resumes superior to those of many college students. Shadow college level legal courses. Participate in the Erie County Bar Association's Mock Trial Competition.

This course is weighted to carry 1.05 added Grade Point Average value points.

Zoo Wildlife and Conservation Careers – New Visions, 1 year program

3.75 credits

Prerequisites: Open to grade 12 (apply during 11th grade). *Application and interview required for consideration to enter the program. Students must provide their own transportation.*

Course Description: Consider the 23-acre Buffalo Zoo your new home! The Zoo Wildlife and Conservation Careers program allows highly motivated, college bound seniors the opportunity to explore options in the many areas related to wildlife, conservation and zoo-based careers. This exciting program includes daily access to zoo grounds, internships with keepers, behind the scenes tours, and diverse guest speakers. Students will get to experience the zoo's day to day operations and learn how to incorporate conservation into their daily lives and help spread the message to others. The school year will culminate with a project in which students research and design their own animal exhibit with input from the Buffalo Zoo's animal experts.

This course is weighted to carry 1.05 added Grade Point Average value points.

Enterprise and Entrepreneurship – New Visions, 1 year program

3.75 credits

Prerequisites: Open to grade 12 (apply during 11th grade). *Application and interview required for consideration to enter the program. Students must provide their own transportation.*

Course Description:The Enterprise and Entrepreneurship Program for honors-level seniors is a one year program that gives students a significant advantage as they move toward college and career readiness. This program will highlight the fields of Marketing, Management, Communications and Human Resources. You will customize your education to prepare yourself for the future of your dreams! Strengthen transferable professional skills and communication while networking with peers and local industry professionals. Internships will cater to student interests and aspirations through hands-on learning experiences. This is a writing-intensive course that will have you prepared with the communication skills necessary to succeed. You will prepare yourself for college and careers with personalized resumes, cover letters, portfolios, and more

This course is weighted to carry 1.05 added Grade Point Average value points.



Pathways in Technology Early College High School Programs in partnership with Erie 1 BOCES

Pathways in Technology Early College High School (P-TECH)

Credits vary by year

Prerequisites: Open to grade 9 (apply during 8th grade)

Course Description: Want to earn a free Associates Degree along with industry credentials during high school? This program merges high school, college and Work Based Learning (WBL) all into one. Students can choose from three different Associate Degree Pathways; Building Management & Maintenance, Electrical Engineering Technology, and Construction Management Engineering Technology. You will get hands-on experience and earn credentials through Erie 1 BOCES while simultaneously attending Clevehill and working towards your high school diploma. Successful completion of the P-TECH program leads to career pathways in high demand STEM fields with strong earning potential.

Specific P-TECH courses through ECC in years 3 and 4 are weighted to carry 1.1 added Grade Point Average value points.

Graduation Requirements

Cleveland Hill High School

Regents Diploma		Advanced Designation Regents Diploma									
English	4	English	4								
Social Studies	4	Social Studies	4								
Math	3	Math	3								
Science	3	Science	3								
Foreign Language	1	Foreign Language	3								
Fine Arts (Art, Music, DDP)	1	Fine Arts (Art, Music, DDP)	1								
Physical Education	2	Physical Education	2								
Health	0.5	Health	0.5								
Parenting	0.5	Parenting	0.5								
Technology	0.5	Technology	0.5								
College Success	0.5	College Success	0.5								
Freshman Seminar	0.25	Freshman seminar	0.25								
General Electives	1.75	General Electives	0.75								
College & Career Readiness Electives	1										
TOTAL	23 credits	TOTAL	23 credits								
Required Regents Exams		Required Regents Exams									
English Language Arts		English Language Arts									
Social Studies (any one)		Global									
Mathematics (any one)		Mathematics: Algebra, Geometry, Algebra 2									
Science (any one)		Science: (one physical and one life science)									
		<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr style="background-color: yellow;"> <th style="padding: 2px;">Physical</th> <th style="padding: 2px;">Life Science</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">Earth Science</td> <td style="padding: 2px;">Living Environment</td> </tr> <tr> <td style="padding: 2px;">Chemistry</td> <td style="padding: 2px;"></td> </tr> <tr> <td style="padding: 2px;">Physics</td> <td style="padding: 2px;"></td> </tr> </tbody> </table>	Physical	Life Science	Earth Science	Living Environment	Chemistry		Physics		
Physical	Life Science										
Earth Science	Living Environment										
Chemistry											
Physics											
One additional Regents Exam in any subject area		US History									
Total = 5 exams		Total = 8 exams									
With Honors Designation = Average score of 90 or higher on all required Regents exams											
Technical Endorsement = Students enrolled in an approved BOCES career technical education program who successfully complete all requirements											
		With Mastery in Math: a student meets all the requirements for a Regents diploma with Advanced Designation and earns a score of 85 or better on the three required Regents exams in mathematics									
		With Mastery in Science: a student meets all the requirements for a Regents diploma with Advanced Designation and earns a score of 85 or better on three Regents exams in science									



Graduate Class Rank

In an effort to ensure that our students are prepared to succeed in a changing world, we ensure a rich academic environment filled with multiple levels of support, in addition to a highly rigorous and academically challenging set of advanced course work. At Cleveland Hill High School, students can pursue their academic interests, set and achieve academic goals, and strive to better themselves in an environment that challenges students and welcomes them to trying new things. In an effort to acknowledge the hard work and effort put in by our dedicated students, a class rank is determined after the 6th semester of a graduating cohort's high school career. Class ranking is a mathematical summary of a student's academic record, or Grade Point Average (GPA), spanning from 9th through 12th grade (8th grade advanced courses in Mathematics and Science are also incorporated). In addition, the GPA is weighted, which means advanced and honors courses receive additional consideration, ensuring that our students are motivated to challenge themselves to find their true potential.

Although class rank does not define a student's academic career at CHHS, it is an important component in ensuring that our students are recognized for their perseverance and dedication. In addition, the students ranking first (valedictorian), second (salutatorian), and third (tertiarian) are given additional recognition, given a seat on the stage and the opportunity to address their peers at the Graduation Commencement Ceremony. This is a time honored tradition for our school, and one that students and families look forward to.

How is Class Rank Determined:

Throughout each student's academic career, the final grade in each credit bearing course has been added to a running average, which is also known as the student's Grade Point Average, or GPA. This number is unweighted, which means that the additional multipliers assigned to advanced and honors courses have not been factored in. Once those multipliers are applied, the student's weighted GPAs are determined, and ranked in order from highest to lowest. The corresponding position within the list of their peers determines what rank he or she is, within their graduating class.

Due to the differences in academic rigor and weighting in various schools across the state and country, students must have a minimum of four (4) full semesters, as full-time students at Cleveland Hill, to be included in the class rank. Any student who transfers to Cleveland Hill and culminates with fewer than four full semesters will be considered "unranked."

When is Class Rank Determined:

Class Rank is evaluated at three points during a student's academic career. An initial run of Class Rank is performed following the sixth (6th) semester, when most students are beginning their senior year. This rank is often requested for post-secondary acceptance, and additionally provides eligibility for many local and national scholarships. Students are informed that this is a preliminary ranking, and that an additional run will be completed after the seventh (7th) semester, midway through senior year. The 7th

semester run is used for SUNY purposes, to ensure our students are eligible candidates for all scholarships, including the Scholarships for Academic Excellence which are due in late February. Finally, a third and final run of Class Rank will be performed at the end of the thirty week mark (end of third quarter), that will be used to determine the top three students (see above) who will have a featured role in the Graduation Commencement Ceremony.

Commencement and other Recognitions

Earning a position in the top three of a graduating class is a significant honor, and for students at Cleveland Hill, comes with additional recognition. The students ranking first (valedictorian), second (salutatorian), and third (tertiarian) are seated on the stage, featured in the program, and are given the opportunity to address their peers at the Graduation Commencement Ceremony. This is a time honored tradition for our school, and one that many of our graduating students look forward to earning. For those students granted this honor, they will work closely with the building administration to ensure they are aware of and prepared for the expectations set forth for the Commencement ceremony. In addition, the top three students will earn an invitation to the Scholastic Achievement Dinner (or SARD), which is hosted by the Erie Niagara School Superintendents Association (ENSSA) The top three students from all public, private, parochial, and charter high schools in Erie and Niagara County get recognized, and it is an incredible honor. In addition to the students attending the dinner event and listening to a keynote address, each student is awarded a custom made crystal buffalo statue, in recognition of their accomplishments.

As these recognitions are an earned privilege, the expectation will be that these students maintain good standing through their remaining time at Cleveland Hill, leading up to commencement. This includes upholding a high academic standing and refraining from any behavior or activities that might warrant disciplinary referral. Any student found to be out of compliance with these expectations will not be granted the privilege of these added honors at the Graduation Ceremony. In the event that this were to occur, the next eligible, ranked student would be welcome to receive these added privileges at commencement, including sitting on stage and addressing their peers with a speech.

