

GENESEE VALLEY CENTRAL SCHOOL DISTRICT
CATALOG OF COURSE OFFERINGS

2026-2027



Sara Donlon, 7-12 Principal

Josie Preston, 7-12 School Counselor

ENGLISH



English Department:

Kimberly Douglas

Alayna Ebert

Kayla Marsh

ENGLISH 9: 1 Credit

COURSE DESCRIPTION: English 9 is designed to be an introduction to high school reading comprehension, written expression, analytical and listening skills. The course will introduce students to 21st century skills. These skills include team building, collaboration, presentation, classroom etiquette, problem solving, time management, and personal responsibility.

ENGLISH 10: 1 Credit

COURSE DESCRIPTION: English 10 is designed to continue where English 9 left off. The focus of English 10 is on literary analysis, in anticipation of the 11th Grade Regents Exam. As compared to English 9, this course is more rigorous, and designed to get students up to speed on necessary skills, such as upper-level vocabulary, the formal voice, symbolism, and theme. Students will also take a closer look at the historical context of classic literature.

ENGLISH 11: 1 Credit

COURSE DESCRIPTION: English 11 is designed to strengthen reading comprehension, written expression, analytical and listening skills in preparation for the English Regents Exam. The course will also maintain a strong focus on building 21st century skills. These skills include public speaking, collaboration, critical thinking and problem solving, time management, business etiquette, research and literary analysis.

ENGLISH 12 - FILM STUDIES: 1 Credit

COURSE DESCRIPTION: Do you love movies? Would you enjoy learning how the most significant narrative form of the 20th and 21st century uses the art of cinematography to tell a story? Do you have a favorite movie genre or movie director? If you answered “yes” to any or all of these questions, then film studies is an elective that will give you the opportunity to screen a wide range of movies directed by today’s most influential directors! This class will equip you with a general awareness of film history and its key movements and introduce you to the language and art of film. Through screenings and discussion, you will learn to read a narrative film to identify the methods used by directors to create meaning. We’ll study the works of auteur directors and learn to spot their signature trademarks and frequent collaborators. We’ll even learn to write a film analysis. This course will make it impossible to view a movie passively!

TRENDING NOVEL STUDY: .5 Credit

COURSE DESCRIPTION: Students will spend time immersed in 21st century novels and developing a love for reading without stipulations. The goal of this course is to expose students to different genres such as fantasy, romance, and literary

fiction and others tailored to their interests. This course is designed to enhance students' literary analysis abilities and deepen comprehension skills while promoting students to discover the joys of reading.

GREAT STORIES: MONSTERS AND HEROES 1 (SEMESTER 1): .5 Credit (Co-taught with Mrs. Horne)

COURSE DESCRIPTION: Ever wonder “what are Mrs. Douglas and Mrs. Horne’s favorite stories?” Discover the intricacies and power of the monsters and heroes that make up some of the greatest tales ever told. Who was Jean Valjean? What are Great Expectations? Is Quasimodo a hero or a monster? These are just some of the wild classics we’ll discover. The course will include film, short stories, epic poems, and long narratives that will keep you up at night just to finish the book! Join us and disappear into great stories! Most of this coursework will be in-class participation, reading, viewing and discussion.

GREAT STORIES: MONSTERS AND HEROES 2 (SEMESTER 2): .5 Credit (Co-taught with Mrs. Horne)

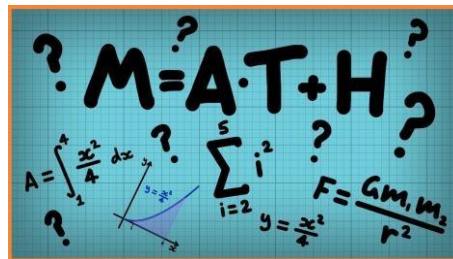
COURSE DESCRIPTION: Ever wonder “what are Mrs. Douglas and Mrs. Horne’s favorite stories?” Discover the intricacies and power of the monsters and heroes that make up some of the greatest tales ever told. Who was Frankenstein and why is he considered a monster? Is *The Odyssey* the greatest story of all time? What was so tragic about Mr. Rochester? These are just some of the wild classics we’ll discover. The course will incorporate film, short stories, epic poems, and long narratives that will keep you up at night just to finish the book! Join us and disappear into great stories! Most of this coursework will be in-class participation, reading, viewing and discussion.

ENGL 1010 and 1020: 1 Credit (HS)/ 6 College Credits (Corning Community)

PREREQUISITES: STUDENTS MUST HAVE SCORED AN 85 ON THE ELA 11 REGENTS

COURSE DESCRIPTION: The Genesee Valley High School English department will offer a challenging, advanced and rigorous instruction to those students who are pursuing matriculation into collegiate programs characterized by excellence. The goal of all courses within the Advanced English program is to promote student success on the secondary and post-secondary level. The standards for communication as outlined in the New York State curriculum will be considered minimum standards in advanced English classes. Teachers of advanced English courses offer material in greater depth, scope, pacing, synthesis and analysis. This is a college level course through Corning Community College. Students must have an 85% on the English Regents for admission to this course. (Seniors only)

MATHEMATICS



Mathematics Department:

Tracie Campbell

Raegan Ryan

Zachary Smith

REGENTS ALGEBRA: 1 Credit

COURSE DESCRIPTION: The purpose of this course is to extend the mathematics that students learned in the middle grades. Students will continue to analyze functions and use function notation. The curriculum will deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend. Students will engage in methods for analyzing, solving, and using quadratic functions. Measurement within a problem-solving context will include calculating rates using appropriate units and converting units. Data analysis will include measures of central tendency and visual representations of data, including statistics, will be studied. Students will experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Successful passing of the New York State Algebra 1 regents in June satisfies part of the minimum math requirement for graduation with a NYS regents' diploma.

REGENTS ALGEBRA 1A/B: 2 Credits

COURSE DESCRIPTION: The Integrated Algebra 1A/1B is the first mathematics course in high school. This 2-year course is intended for students who have typically struggled with mathematics and need extra support in order to successfully complete the Integrated Algebra Regents Examination. The focal point of this course is the algebra content strand. Algebra provides tools and ways of thinking that are necessary for solving problems in a wide variety of disciplines, such as science, business, social sciences, fine arts, and technology. This course will assist students in developing skills and processes to be applied using a variety of techniques to successfully solve problems in a variety of settings. Problem situations may result in all types of linear equations in one variable, quadratic functions with integral coefficients and roots as well as absolute value and exponential functions. Coordinate geometry will be integrated into the investigation of these functions allowing students to make connections between their analytical and geometrical representations. Problem situations resulting in systems of equations will also be presented. Alternative solution methods should be given equal value within the strategies used for problem solving. For example, a matrix solution to a system of equations is just as valid as a graphical solution or an algebraic algorithm such as elimination. Measurement within a problem-solving context will include calculating rates using appropriate units and converting within measurement systems. Data analysis including measures of central tendency and visual representations of data will be studied. An understanding of correlation and causation will be developed, and reasonable lines of best fit will be used to make predictions. Students will solve problem situations requiring right triangle trigonometry. Elementary probability theory will be used to determine the probability of events including independent, dependent, and mutually exclusive events.

REGENTS GEOMETRY: 1 Credit

REQUIRED FOR AN ADVANCED REGENTS DIPLOMA

COURSE DESCRIPTION: The purpose of the course is to formalize and extend students' geometric experiences from the middle grades, while using skills developed within Algebra 1. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Students will study congruence, similarity, transformations, quadrilaterals, proofs, right triangle trigonometry, coordinate geometry, circles, and three-dimensional shapes, in depth in this course. Students will experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Successful passing of the New York State Geometry Regents Exam in June satisfies, in part, the requirement of passing 3 Math regents exams for an Advanced Regents diploma.

REGENTS ALGEBRA II: 1 Credit

REQUIRED FOR ADVANCED REGENTS DIPLOMA

COURSE DESCRIPTION: Algebra 2 is the capstone course for the three units of credit and regents exams required for an Advanced Regents diploma. This course is a continuation and extension of Algebra 1 and Geometry. Building on their work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. All students will take the Algebra 2 Regents exam in June. Successful passing of the New York State Algebra 2 Regents exam in June satisfies, in part, the requirement of passing 3 Math Regents exams for an Advanced Regents diploma.

MATHEMATICS IN SPORTS: 1 Credit

PREREQUISITE: ALGEBRA 1

COURSE DESCRIPTION: Mathematics in Sports is a class that will look at how math is used and applied in many different sports. The math that will be covered is probability, statistics, functions, basic trigonometry, and basic geometry. Students will do many different projects in order to understand and be able to use math.

PRE-CALCULUS: .5 Credit (HS)/ 4 College Credits (Alfred State)

PREREQUISITE ALGEBRA 2

COURSE DESCRIPTION: Students will be required to study advanced trigonometric, logarithmic, and polynomial functions along with vector operations and matrices. The course is designed as a solidification of algebraic techniques and a pre-requisite to Calculus. Students will be given an opportunity to earn college credit upon successful completion of this class and an accepted registration from Alfred State. The student is expected to have a working knowledge of the TI-84+ graphing calculator daily. Upon completion of this course, you should be able to:

- Use algebraic manipulations to simplify polynomial, rational, and radical expressions.
- Solve linear, quadratic, absolute value, rational, and polynomial equations, and inequalities.
- Graph and describe the end behavior of polynomial functions and asymptotes of rational functions.
- Find an equation of a line, calculate, and interpret slope.
- Solve verbal problems by translating them into the appropriate mathematical model.
- Use a graphing utility to find regression equations, to find minimums and maximums, to find zeroes, and solve equations.
- Convert between radians and degrees and use the unit circle to determine the six trigonometric functions of a given angle.
- Use/manipulate the concepts of arc length, angular measure, and angular speed to solve related problems.
- Graph and/or interpret sine and cosine functions considering amplitude, period, and phase shift.
- Use the Pythagorean Theorem, the Law of Sines, and the Law of Cosines to solve right and oblique triangles.
- Use the relationship between logarithmic functions and exponential functions to solve equations and problems involving growth/decay, and compounding of interests.
- Use trigonometric identities to simplify trigonometric expressions and solve trig equations.

CALCULUS: .5 Credit (HS)/ 4 College Credits (Alfred State)

PREREQUISITE PRE-CALCULUS

COURSE DESCRIPTION: As an introductory Calculus class, students will study limit theory, derivatives and their applications and be introduced to the Fundamental Theorem of Calculus. Successful completion of Calculus 1 will in most cases satisfy the necessary college math credits for all SUNY Colleges and Universities as well as most private institutions both in New York State and other states in the nation. Topics to be studied include (but are not limited to):

- Review of Pre-Calculus Topics
- Limits and Continuity
- Derivatives
- Analysis of Functions and Their Graphs
- Integration
- Logarithmic and Exponential functions

CALCULUS 2: .5 Credit (HS)/ 4 College Credits (Alfred State)

PREREQUISITE: CALCULUS

COURSE DESCRIPTION: This course is designed for the serious math student who wishes to continue in mathematics and delve more deeply into the Fundamental Theorem of Calculus and the techniques needed to apply it to different situations. In addition, Calculus 2 provides an in-depth look at series and sequences with the goal of being able to evaluate and describe end behavior of infinite sums. The topics are both theoretical and practical. Topics to be studied include (but not limited to): ● Review of Calculus Topics – As warranted.

- Integral Applications
- Integral Techniques
- Infinite Series

STATISTICS : .5 Credits (HS)/ 4 College Credits (Alfred State)

PREREQUISITE: ALGEBRA 2

COURSE DESCRIPTION: Students learn to use various graphical displays and measures of location and variability to describe data. The course considers elementary probability and sampling distributions and uses the normal and t-distributions in estimation and hypothesis testing. It includes descriptive techniques for simple linear regression and correlation. Use of a graphing calculator is required; computer software may be used. The objectives of this course are to familiarize students with basic statistical terminology and tools for describing data sets. Students will also obtain a knowledge of basic concepts in data description, hypothesis testing, statistical inference and obtain a firm basis for further statistical study. Students will be exposed to the importance of the basic assumptions underlying all statistical calculations. Topics to be studied include (but are not limited to):

- Basic Probability
- Bivariate Descriptive Statistics
- Sampling and Sampling Distributions
- Estimation
- Hypothesis Testing

COLLEGE ALGEBRA: .5 Credit (HS)/ 3 Credits (Alfred State)

PREREQUISITE: ALGEBRA 2

COURSE DESCRIPTION: This course is a continuation and solidification of Algebra 2 topics and techniques. The student has the opportunity to earn college credit upon successful completion of this course and an accepted registration to Alfred State. This course is a prerequisite for college Trigonometry. This course includes topics such as polynomials, radicals, exponents, coordinate geometry, rational expressions and equations, and solutions to linear and quadratic equations. Students are introduced to the concept of functions and their graphs. Additional topics may include conic sections, matrices, variation, and nonlinear inequalities. Emphasis will be placed on problem solving. A graphing calculator is required.

COLLEGE TRIGONOMETRY: .5 Credit (HS)/ 3 Credits (Alfred State)

PREREQUISITE OF GRADE OF C OR BETTER IN COLLEGE ALGEBRA

COURSE DESCRIPTION: This course is a continuation and solidification of Algebra 2 topics and techniques. The student has the opportunity to earn college credit upon successful completion of this course and an accepted registration to Alfred State. Topics of this course include trigonometric functions and their properties with the studies of identities, formulas, equations, and graphs. Also included are the study of right and oblique triangles using the law of sines and cosines with emphasis placed on contextual applications and problem solving. Exponential and logarithmic functions with related problem solving are included. A graphing calculator is required. Students cannot receive credit for this class if they have credit for Pre-Calculus or Calculus or any course for which Calculus is a prerequisite.

SCIENCE



Science Department:

Karen Bentley

Bridget Chichester

LIVING ENVIRONMENT: 1 Credit

COURSE DESCRIPTION: The Living Environment science course explores connections within the natural world. Students investigate how life continues, changes, and relies on its environment. The goal is that by the end of this course students will be able to make informed and ethical decisions regarding the living world around them. They will also conduct experiments, analyze results, and draw conclusions. Living Environment is a regent's course and is followed by a mandatory New York State Regents Exam. Students must successfully complete the required New York State labs and at least 1,200 minutes of hands-on lab in order to be eligible to attend this regent's exam.

EARTH SCIENCE: 1 Credit

COURSE DESCRIPTION: The Regents Earth Science course will investigate all portions of our planet. Topics will include the scientific method applied through laboratory experimentation. Students will become familiar with weather, rock and mineral types, energy transfer and astronomy. All students must successfully complete 33 laboratory write-ups.

PHYSICS: 1 Credit

PREREQUISITES: ALGEBRA, GEOMETRY AND TRIGONOMETRY

COURSE DESCRIPTION: From the smallest pieces of matter in existence to the largest, physics looks at universal truths about matter and energy. Students in this course learn about movement, projectile motion, energy, electricity, magnetism and the smallest matter known (quarks). This course challenges students to find valuable information within a question so

they can problem solve to find quality answers and predictions. Students will be using critical reading, critical thinking and mathematical reasoning daily. This is a course for students with an interest in studying the physical world in college. Successful completion of this course is highly valuable on an academic transcript. This is a Regents course, and you will need to complete a total of 1200 laboratory minutes. The year is broken up into 4 quarters and 1 Regents exam, each worth 20% (for a total of 100%).

CHEMISTRY: 1 Credit

PREREQUISITE: 2 Years of High School Math

COURSE DESCRIPTION: Considered the central science, knowledge of chemistry is required and used in almost all science fields. This course investigates matter and its changes. Students observe and hypothesize reasons for the changes (induction) and then using scientific facts they make quality predictions about the behavior of matter (deduction). Students will be challenged to think about abstract concepts using visual and mathematical models. This is a course for students interested in any field of science in college. Successful completion of this course is highly valuable on an academic transcript. This is a Regents course, and you must complete a total of 1200 laboratory minutes. The year is broken up into 4 quarters and 1 Regents exam, each worth 20% (for a total of 100%).

COLLEGE BIO 112: 1 Credit (HS)/ 4 Credits (Houghton College)

COURSE DESCRIPTION: This course provides an overview of basic biochemistry, cell biology and metabolism, and principles of genetics. The course includes wet and dry lab components. Taught at participating high schools to their selected, qualified students. Liberal Arts.

SOCIAL STUDIES



Social Studies Department:

Kyle Dougherty
Sarah Horne
Mike Mead
Donna Slawson

REGENTS GLOBAL STUDIES/GEOGRAPHY I: 1 Credit

COURSE DESCRIPTION: Global History and Geography is a required class in New York State and contains the following units: Beginning Fundamentals, Early Man, Classical Civilizations, Belief Systems, Important Empires I, Middle Ages, The Renaissance, The Reformation, and Global Expansion.

REGENTS GLOBAL HISTORY/GEOGRAPHY II: 1 Credit

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. Each unit lists the content, concepts and themes, and connections teachers should use to organize classroom instruction and plan for assessment. 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.

REGENTS US HISTORY AND GOVERNMENT: 1 Credit

COURSE DESCRIPTION: United States history is the history of a great experiment in representative democracy. Each chronological unit lists the content, concepts and themes, and connections between topics in US History. The State Regents examination for United States History and Government will be based on the content column in this core curriculum. The following concepts and themes in United States history are also emphasized in this curriculum: change, citizenship, civic values, constitutional principles, culture and intellectual life, diversity, economic system, environment, factors of production, foreign policy, government, human systems, immigration and migration, individuals, groups, institutions, interdependence, physical systems, places and regions, reform movements, presidential decisions and actions, science, and technology.

PARTICIPATION IN GOVERNMENT: .5 Credit

COURSE DESCRIPTION: The Participation in Government core curriculum is designed to focus on major government and political issues current in today's U.S. and World situations. These issues include the Post 9/11 World, Health Care, Technology and Society, Global Environment problems, Gun control, and U.S. Elections. Students will interdisciplinarily connect with issues by discussions, research, projects, essays, and presentations. Defining, analyzing, monitoring, and discussing issues and policies is the fundamental participatory activity in this classroom.

ECONOMICS: .5 Credit

COURSE DESCRIPTION: The study of Economics in grade 12 provides students with the economic knowledge and skills that enable them to function as informed and economically literate citizens in our society and in the world. The course emphasizes rational decision making and encourages students to become wise consumers as well as better citizens.

GREAT STORIES: MONSTERS AND HEROES 1 (SEMESTER 1): .5 Credit (Co-taught with Mrs. Douglas)

COURSE DESCRIPTION: Ever wonder "what are Mrs. Douglas and Mrs. Horne's favorite stories?" Discover the intricacies and power of the monsters and heroes that make up some of the greatest tales ever told. Who was Jean Valjean? What are Great Expectations? Is Quasimodo a hero or a monster? These are just some of the wild classics we'll discover. The course will include film, short stories, epic poems, and long narratives that will keep you up at night just to finish the book! Join us and disappear into great stories! Most of this coursework will be in-class participation, reading, viewing and discussion.

GREAT STORIES: MONSTERS AND HEROES 2 (SEMESTER 2): .5 Credit (Co-taught with Mrs. Douglas)

COURSE DESCRIPTION: Ever wonder "what are Mrs. Douglas and Mrs. Horne's favorite stories?" Discover the intricacies and power of the monsters and heroes that make up some of the greatest tales ever told. Who was Frankenstein and why is he considered a monster? Is *The Odyssey* the greatest story of all time? What was so tragic about Mr.

Rochester? These are just some of the wild classics we'll discover. The course will incorporate film, short stories, epic poems, and long narratives that will keep you up at night just to finish the book! Join us and disappear into great stories! Most of this coursework will be in-class participation, reading, viewing and discussion.

EDUC 1010 FOUNDATIONS OF EDUCATION: 3 Credits (Corning Community College)

COURSE DESCRIPTION: The aims of public education in our society; philosophical, historical, economic, political and social bases of our educational system. Current trends in education; popular myths about the teaching profession; roles, responsibilities, problems and concerns of teachers.

WESTERN CIVILIZATION: 1 Credit (Houghton College)

(Prerequisite: Students must have achieved an 85% or higher on a social studies Regent's exam.)

COURSE DESCRIPTION: This course is designed to be a survey course of Western Civilization, essentially from Plato to NATO. Detailed examinations of texts, historiography, primary sources, literature, and film will provide the student with an overview of Western history. This full year version will be at a more comfortable pace than the ½ year offering. It will provide students with more time to explore topics of interest. Students will engage in reading, writing, and discussion surrounding these topics, discussion in class will center around course reading and students will be able to write about areas of interest week by week. This is an excellent course in preparation for the rigor of college with a teacher who cares!

COLLEGE AMERICAN HISTORY 1: .5 Credit (HS)/ 3 Credits (Corning Community College)

COURSE DESCRIPTION: Dreams and concepts brought to the new world and their development into America's institutions and social fabric. Conflict and consensus among groups, dilemmas facing revolutionaries and reformers, and ways economic, political, and social changes have occurred. Meets general Education requirements in American History.

COLLEGE AMERICAN HISTORY 2: .5 Credit (HS)/ 3 Credits (Corning Community College)

COURSE DESCRIPTION: End of the civil war to the present. Topics include industrial urbanization, racism, sexism, the new manifest destiny, political changes, and the growth of a modern nation. Meets General Education requirements in American History.

SOCIOLOGY: .5 Credit

COURSE DESCRIPTION: Sociology is a half-year course. Sociology is a scientific study of society and the interaction between society and its human environment. This course includes such concepts as social organization and culture, socialization, institutions, and collective behavior. It is the study of how individuals relate to society and vice versa. It covers the concepts of group dynamics, unspoken social codes, and patterns of behavior on local, national, and global scales. Sociology studies how societies change over time, how social order develops, and sources of conflict in societies.

PSYCHOLOGY: .5 Credit

COURSE DESCRIPTION: This half-year course provides an overview of the scientific study of human behavior. Topics include, but are not limited to, history, sensation, perception, learning, motivation, cognition, abnormal behavior, personality theory, social psychology, emotion and development.

HISTORY OF SPORT: .5 Credit

COURSE DESCRIPTION: In this course students will examine the development of sports through various historical perspectives. There will be an emphasis on the inner relationship that sports have on social, economic, cultural, and

political forces that are in the U.S. as well as the world. Students will also explore how unorganized and impromptu athletic activities were transformed into spectator sports at the collegiate and professional level, and the ways in which sports reflected and informed the issues of race, class, gender, ethnicity, and international politics. Specific topics include: the transformation of “blood” sports into acceptable athletic pursuits, such as boxing; amateurism; baseballs popularity; women’s sports; racial segregation in sports; athletic rivalries during the Cold War; and the globalization of American sports. Students will also examine important events in sport history such as the 1919 Black Sox scandal, racial integration of major sports leagues, establishment of Title IX, and NIL Supreme Court decision. The course will consist of films, readings, lectures, discussions, and authentic assessment projects.

THE AMERICAN CIVIL WAR: 1 Credit

COURSE DESCRIPTION: Introduction to the causes of the American Civil War, its impact on the American nation, and its continued significance for American politics and society. This course will analyze the causes, campaigns, and consequences of America’s most violent military experience. Topics include: the causes of the war; the political, economic, military, and diplomatic execution of the war; the problem of waging war in a democracy; the constitutional issues raised by the war; the reasons the South lost the Civil War; the impact of the war and reconstruction on American history; and the reconstruction policies of Lincoln, Johnson, and the Radical Republicans. Discussions will focus on the military aspects of the war.

BUSINESS



Business Department:

Kim Marciano

Mike Mead

ACCOUNTING: 1 Credit

COURSE DESCRIPTION: Students will gain basic knowledge of bookkeeping/accounting procedures, including analyzing and journalizing business transactions, worksheets, preparing financial statements, recording, adjusting and closing entries. Emphasis is placed on service and merchandising businesses in a sole proprietorship and corporate setting. All students, regardless of the career they choose, can benefit from accounting instruction in their own personal business affairs. Since Accounting is an integral part of every business, knowledge gained throughout the course will apply to your everyday life. **Students can earn math credit towards graduation for successfully taking and passing Accounting.**

ACCOUNTING 1000-ACCOUNTING PRINCIPLES: 1 Credit (HS)/ 4 Credits (Corning Community College)

PREREQUISITE: Accounting

COURSE DESCRIPTION: Continuation of vocabulary and concepts of accounting at the college level. Students will review Accounting for proprietorship and expand into other forms of business.

BUSINESS LAW & THE LEGAL ENVIRONMENT: .5 Credit

COURSE DESCRIPTION: This course is a dynamic study of legal principles as they apply to individuals and businesses alike. Legal systems, law, and their ethical bases, constitutional rights, court systems, criminal and civil law, contracts, unions, torts, liabilities, intellectual property, and securities, among others, will be explored and discussed.

CAREER PLANNING & INDEPENDENT LIVING: .5 Credit

COURSE DESCRIPTION: This course is designed for high school seniors to assist students with the transition from high school to adult life and the need to eventually live on their own. This class focuses on career pathways, goal setting, employability, personal finance, problem solving and much more. A job shadow is a required part of this course. This course is required for all seniors (some exceptions are made by Mrs. Preston and Mrs. Donlon if scheduling does not allow).

ENTREPRENEURSHIP: .5 Credit

COURSE DESCRIPTION: Interested in owning a business someday? Put your marketing skills to use by learning the basics of business ownership. Students will learn about operating a business through project-oriented instruction while developing skills in marketing and management. Activities are designed to encourage innovative thinking related to new products, services, and technology. Students will develop a business plan designed to assist you in your development of conceptual knowledge and identification of the skills needed to become an entrepreneur.

JAG DESIGN: 1 Credit

COURSE DESCRIPTION: In this course students will run and operate Jag Design Co. The full range of business operations will be explored and put into real world practice. Students' work will focus on marketing, design, production, and sales. This is a hands-on class that offers students real world skills.

MARKETING/SPORTS MARKETING: 1 Credit

COURSE DESCRIPTION: Marketing is a tool that has allowed the United States economy to be one of the most successful in the world. Sports play an important role in marketing and are important parts of this modern economy. Sports marketing is one of the largest exports from the United States to the rest of the world. This course will teach students about basic elements of marketing and how these elements are applied to organizations involved in sports and entertainment industries. Students will build a sports stadium and participate in our own NCAA bracket competition.

PERSONAL LAW: .5 Credit

COURSE DESCRIPTION: Planning on renting an apartment? Buying your own house or car someday? Using a credit card? If so, you'll want to know your rights and what laws pertain to these real-life situations. Personal Law will give you a greater understanding and appreciation of your legal rights and responsibilities. This course presents law from a practical, useful approach as it applies to everyday, "real-life" situations. Some topics of study include Student Rights, Civil Law, Federal/State Courts, Marriage/Divorce, Wills/Estate Planning, Landlord/Tenant, Employment Law and Bankruptcy. In addition, a variety of guest speakers and activities are planned to reinforce classroom learning.

JAG MEDIA: 1 Credit

COURSE DESCRIPTION: This course brings together two iconic components of the Jaguar community into one dynamic multimedia experience. Students will create and produce daily announcements, write and design content for the Jag Newsletter, and develop the Genesee Valley Yearbook from cover to cover. Through hands-on projects, students will build skills in page design and layout, editing, photography, journalism, and broadcasting. Throughout the year, students will document school memories and events, showcasing them through a variety of media formats. In addition to creative and technical skills, students will develop valuable real-world abilities including time-management, teamwork, communication, marketing, and an understanding of design and journalism principles.

COMPUTER APPLICATIONS: .5 Credit

COURSE DESCRIPTION: Students will learn how to use and incorporate various current technologies into school, work and life. Some applications include Microsoft Word, Excel, PowerPoint, iMovie, keyboarding refresher and much more. **Computer Applications is required for all students for graduation.**

PERSONAL FINANCE: .5 Credit

COURSE DESCRIPTION: Understanding and managing personal finances are keys to one's future financial success. This course presents essential knowledge and skills to make informed decisions about real-world financial issues. Students will learn how choices influence occupational options and future earning potential. Students will also learn to apply decision-making skills to evaluate career choices and set personal goals. The course content is designed to help the learner make wise spending, savings, investments, retirement investments, and credit and loan decisions to make effective use of income to achieve personal financial success.

PRACTICAL MATH: 1 Credit

COURSE DESCRIPTION: The goal of Practical Math is to increase student fluency in basic computational math, as well as learn to use mathematics in daily life activities including, but not limited to, checkbooks, banking, car ownership, insurance, shopping, etc.

PROFESSIONALISM: .5 Credit

COURSE DESCRIPTION: understanding of individual and workplace needs as they relate to professionalism, team building, and career growth. Topic areas include human relations, business ethics, business etiquette, team building concepts, and career enrichment. Discussion/participation and role-playing exercises. May be taught in a simulated environment.

ORGANIZATIONAL BEHAVIOR: .5 Credit

COURSE DESCRIPTION: This course is designed to provide students with an understanding of the individual, team, and human behavior in organizations. In essence, it is the psychology of how businesses function and operate. Organizational behavior concentrates on analysis of factors impacting individual and organizational success in today's rapidly changing business environment. Students will explore topics such as personality, motivation, ethics, diversity, and organizational structure.

LOTE (Languages Other Than English)



Spanish Department:

SueAnn Lindquist

New York State requires every student to have two years of LOTE study completed by the end of 9th grade. Students also must have a minimum of one year of high school credit in LOTE before they graduate. At GVCS students are fortunate to have an opportunity to study Spanish and if they pass a Proficiency Exam at the end of 8th grade, they earn the required high school credit. The following high school course description is applicable to the Spanish instructor, Ms. Lindquist.

SPANISH LANGUAGE LEVEL I: 1 Credit

COURSE DESCRIPTION: This course is offered for those students who still need to earn their high school credit for graduation, whether that reason be because the student did not meet the requirements in middle school by passing the New York State Second Language Proficiency Examination or because the student has transferred to Genesee Valley and has not successfully completed a Level I course in another district. In addition, a student who has studied one language and would like to study another may enroll in a level I course. This course provides instruction and practice in beginning vocabulary and sentence structure. Introductory conversation, listening, reading, and writing activities are used on a daily basis.

SPANISH LANGUAGE LEVEL II: 1 Credit

COURSE DESCRIPTION: The Level II course is open to any student who has successfully completed the Level I course in the same language and wants to continue LOTE to have a high school sequence ending in a Regents credit. Students continue the four areas of speaking, listening, reading, and writing with additional thematic vocabulary and more advanced grammar.

SPANISH LANGUAGE LEVEL III: 1 Credit

COURSE DESCRIPTION: To take the Level III course, a student must successfully complete Level II in the language the student has been studying. This course reviews Levels I and II vocabulary and grammar and adds more of both. Upon completion of the course students will take a Comprehensive Examination.

SPAN 2010: 4 CREDITS ½ YEAR THROUGH CORNING COMMUNITY

COURSE DESCRIPTION: Development of facility in reading, writing, speaking, and understanding the language through a systematic review of its structure. Representative readings as an introduction to Spanish civilizations. Meets SUNY General Education requirement in World Languages.

OUTDOOR ADVENTURE: .5 Credit

COURSE DESCRIPTION: This class would excite the outdoorsy person, or one that may have an itch to try something new. Mr. Bradt and Mrs. Scott-Schneider will work with the elements of weather and the natural resources of Allegany County to help you appreciate what we have right here. We may also include the knowledge of community members to assist in thoroughness of the class. This list may change, and it has a few possibilities, but this is what we will look to offer in the coming year. First Aid/CPR certification, Hunter Safety, Archery using the 3D range also, Fishing—regular and ice, Snow shoeing, Cross Country Skiing, Outdoor Cooking, Camping, Kayak and Canoeing, Ropes Course and low element work, Possible Sailing, Wild foods, Plant/tree ID, Geocaching/Orienteering

WEIGHT-LIFTING (FOR ATHLETES ONLY): .5 Credit

COURSE DESCRIPTION: To learn the correct technique of weight training, difference of lifting for strength or training, nutrition for body, and speed training. To learn language and muscles and what machines or free weights to use for each area (grades 10-12).

SWIMMING: .5 Credit

COURSE DESCRIPTION: Swimming class is designed for the love of the water and is one of the best whole-body workouts. This course would be ½ year and the curriculum would be consistent with lap work at your speed. There would be no work on strokes: come get a good 20-minute full body workout (grades 9-12).

PICKLEBALL: .5 Credit

COURSE DESCRIPTION: This is a beginning/intermediate course in which students will develop basic knowledge and skills to play the sport of pickleball. Technical skills include forehand and backhand groundstrokes, volleys, serves, lobs, overheads, dinks and proper footwork. Students will learn the fundamental rules, basic strategies, and court positions for singles and doubles, and court etiquette. *Limited to 16 students due to court places in gym.

ART



Art Department:
Cassidy Mountain

STUDIO IN ART: 1 Credit

THIS COURSE IS A PREREQUISITE FOR ANY OTHER HIGH SCHOOL ART CLASS.

COURSE DESCRIPTION: Studio in Art is an introductory course that offers exposure to different art making approaches. This course is rooted in the elements of art and the principles of design, with projects revolving around these while also

introducing new mediums. Reflection and critique of artwork are important aspects of this course as well. The course offers exposure to different artworks as well as different artists. Students are also required to establish a sketchbook process and should come with their sketchbooks every day, ready to work.

DIGITAL PHOTOGRAPHY: 1 Credit

PREREQUISITE: Studio in Art

COURSE DESCRIPTION: Photography is a high school elective course that focuses on how to use the Digital Camera functionally as well as how to create narratives and personal reflections through photography as a medium. Students will also learn photoshop techniques to enhance their imagery and gain more knowledge. Students will use the elements of art principles of design to take their own photos in and outside of class every day as well as to display their finished work. Students will also reflect on their work and how it relates to society. The course also highlights some of the history behind photography as well as exposure to different artists.

CERAMICS I: 1 Credit

PREREQUISITE: Studio in Art

COURSE DESCRIPTION: Ceramics is a high school elective course that focuses on learning the different techniques the medium has to offer and how to effectively use tools to create artistic works in clay. Clay will be used as an avenue for exploration and learning as students learn the different hand building techniques as well as how to throw different forms on the wheel. Students will also learn about the different stages of clay, some history of Ceramics as well as exposure to different artists with each project. Students should be prepared to come outside of class to work on their projects and reflections. Critique of work will also be emphasized, as well as presenting and sharing about your work.

DRAWING & PAINTING: .5 Credit each

COURSE DESCRIPTION: Drawing is a high school elective course that focuses on introduction to different mediums/techniques in drawing as well as student work that creates personal narratives and shows craftsmanship. The course focuses on the elements of art and the principles of design related to graphite, charcoal color pencil or pastel drawings to create a final body of work that shows how you have improved over the course. Critique and analyzing artwork as well as reflection are essential to this course. Students are expected to come to class every day with the proper materials and ready to work. Sketchbooks are also a requirement. Studio in Painting focuses on similar principles but the added complexity of working with a different medium. Students will advance their two-dimensional creative skills. Experimenting with watercolor, ink, and acrylic, students will use their creativity and color theory to produce and preserve their own work.

ART THROUGH NATURE: .5 Credit

COURSE DESCRIPTION: Art through Nature is a hands-on mixed media course centering around all things landscape and nature. We will be using natural materials to create works of art as well as clay, drawing, photography, painting, and ore to create works that relate to the local landscape and natural forms. Students should be prepared to go outside and use a variety of materials to create artistic works of design and gain knowledge about natural processes. Reflection and critique are also a part of the class where students will also learn about the meaning and context of their work as well as photographing and displaying it.



Music Department:
Caleb Durant
Alva Robbins

CONCERT BAND: .5 Credit

PREREQUISITES: Ability to read music and to perform satisfactorily on a wind, brass, or percussive instrument. Open to students in grades 9-12. Students lacking in previous application must have permission from the teacher/director to be involved in the class.

COURSE DESCRIPTION: Instructional programs will culminate in performance programs demonstrating skill development in several basic areas: tone production, rhythmic proficiency and technical advancement relating to musical content, structure, and style. Students will have opportunities to compose, arrange, conduct, and take part in seminars with critiques by performers, composers, arrangers, and teachers. Emphasis will be placed on individual growth and will meet the diversified needs of today's instrumental music students. In connection with this course is a weekly group lesson designed to enhance the technical music attributes of each student. This kind of organization provides a group activity in which pupils learn to work cooperatively with one another to grow in music. Each student who participates in this organization will be eligible for and can audition and perform in festivals sponsored by ACSMA, NYSSMA, MENC, and NYSBDA. This includes the opportunities for scholarships where applicable.

JAZZ BAND: .5 Credit

PREREQUISITES: Ability to read music and to perform satisfactorily on a wind, brass, percussive instrument and strings. Open to students in grades 9-12. Students lacking in previous applications must have permission from the teacher/director to be involved in the class.

COURSE DESCRIPTION: The jazz band is open to all students who play an instrument and wish to join. Emphasis will be placed on individual growth, broad in scope and content that meets the diversified needs of today's instrumental music student. The group will perform at all major concerts. Students will have the opportunity to improvise in the jazz idiom. The Repertoire will include but not limit to standard big band charts.

7-12 CHOIR: .5 Credit

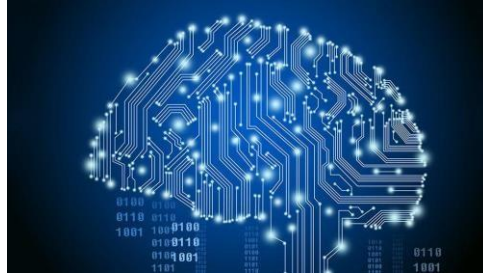
PREREQUISITE: Past participation in 5th-6th grade choir is beneficial. The course is open to students in grades 7-12.

COURSE DESCRIPTION: Students will explore choral music of various periods and genres as well as developing sight-singing skills through participation in full choir rehearsals and small group lessons. The choir will perform two concerts during the year: one in December and the other in May. Students who participate in this organization will be eligible for and can audition and perform in festivals and adjudication functions sponsored by ACSMA, NYSSMA, and MENC. This includes the opportunities for scholarships where applicable.

ART OF THEATER: .5 Credit

COURSE DESCRIPTION: This course introduces and provides experience in all aspects of theater arts. Students study the basic principles of acting including character analysis, textual interpretation, voice, movement, collaboration, improvisation, and critical analysis of performance. Additionally, students gain a working knowledge of theater and the multiple forms of theatrical performance, as well as the technical aspects of theater and theater design. Special emphasis is placed on theatrical vocab, as well as the creation, production, direction of monologues and scenes. Students in this course will be a part of school performances either on stage or assisting with production.

TECHNOLOGY/ STEAM



Technology Department:

Donna Slawson

Carolyn Wright

DESIGN FOR ENTERTAINMENT AND AGRICULTURE: 1 Credit

COURSE DESCRIPTION: Design for Entertainment is a broad-spectrum course that introduces students to the principles of design necessary for creating various forms of entertainment including television, film, and games. Students will explore the history of the entertainment industry, develop skills in character design, story development, and set development. In addition to exploring design within entertainment, students will also explore design within agriculture from Landscaping to Ag Mechanics (this course is offered as an art credit to cover high school requirements).

ANIMAL SCIENCE: 1 Credit

COURSE DESCRIPTION: Animal science is designed to give students the opportunity to learn about the animals used in production agriculture. This course will primarily focus on large animals including horses, dairy cattle, beef cattle, swine, goats, sheep, poultry and waterfowl. We will discuss best practices used in the industry when caring for these animals, how to handle and restrain them, animal nutrition, and reproduction and genetics. Students will have the opportunity to practice some of the skills learned in class on real animals through field trips at ASC.

NATURAL RESOURCES: PHYSICAL SCIENCE: 1 CREDIT

COURSE DESCRIPTION: In this course, students will explore our Earth's natural resource systems including forests, water quality, soil and groundwater, wildlife, maple production, alternative energy, pollution, invasive species, and climate. This course will be primarily hands-on, and classes will be held both indoors and outdoors. Students will spend time in the woods focusing on tree identification, tree measuring, forest management & sustainability, sap collection systems, tapping, syrup production, added value products and marketing, testing water and soil samples, and so much more.

FOOD SCIENCE: 1 Credit (co-taught with Mrs. Mapes)

COURSE DESCRIPTION: Ever wonder what makes food spicy, how baking powder makes a cake rise, or why Twinkies last such a long time? There is a lot of science that goes into the everyday foods that we love! Food scientists all over the world study the physical, biological, and chemical makeup of food and use what they learn to make our food supply safe, nutritious, sustainable, and delicious. *In Food Science, students will get an overview of the food industry. Topics will include product development, sensory analysis, current events, nutrition, food chemistry, food quality, food safety, food microbiology and food processing and packaging. Classes will include hands-on, edible activities that demonstrate various food science concepts.*

AGRICULTURAL SCIENCE: 1 Credit

COURSE DESCRIPTION: In this course, students will be introduced to the agricultural industry and FFA. Topics covered will include animal science, plant science, soil science, environmental science and natural resources, food science, tractor operation, leadership skills, the history of the agriculture industry, safety, and career opportunities. *As the program builds, this course should be a prerequisite to the high school electives that are more specialized, but for this upcoming year students can take forestry and maple production without it.

AG MECHANICS & SMALL ENGINES: 1 Credit

COURSE DESCRIPTION: In AG mechanics/small engines, students will learn how mechanical and precision systems function. The course will expose students to the newest agricultural technologies that support equipment industries while connecting them with future employers. We will discuss safety pertaining to agriculture equipment systems, technician expectations, how to use precision measuring tools, drive train components, final drives, and precision systems and applications. This course will prepare students to enter the AG technician field through hands-on identification and cause and correction of equipment failures in mechanical and precision systems. During the second half of the year, students will focus on small gas engines. Students will acquire technical skills including measurements, engine teardown/assembly, troubleshooting, generating work/repair orders, and using a service manual. Technical skills during this course prepare students for home ownership and careers in diesel, outdoor power equipment, and agricultural equipment maintenance.

AG MECHANICS & SMALL ENGINES 2 (Would run at the same time as AG MECH & SMALL ENGINES 1) : 1 Credit

COURSE DESCRIPTION: In this course, students will pick up where they left off in AG Mech/Small Engines I and focus primarily on electrical, digital, hydraulic, and diesel systems used in agriculture and heavy equipment today. This course will prepare students to enter the AG technician field through hands-on identification and cause and correction of equipment failures in electrical, fluid, and diesel systems. During the second half of the year, students will have the ability to work on a small engine of their choosing, identify what is wrong with the engine, and work to repair it. Students taking this course should have strong work ethics and ability to be self-directed learners.

THEATER PRODUCTION EXPLORATION: .5 Credit

COURSE DESCRIPTION: Welcome to Art of Theater, an exciting elective course designed for students in grades 9-12 who have a passion for the world of theater. This course offers a comprehensive exploration of theater productions, covering various aspects such as light engineering, sound engineering, set design, costumes, and more. Throughout the course, students will delve into the technical and artistic elements that bring a theatrical production to life. From understanding the intricacies of lighting and sound engineering to the creative process of designing sets and costumes, participants will gain hands-on experience and insight into the behind-the-scenes magic of theater.

DRONE PILOT CERTIFICATION PROGRAM: .5 Credit

COURSE DESCRIPTION: Embark on an exhilarating journey into the world of unmanned aerial vehicles with our Drone Pilot Certification Program. This elective course, designed for students in grades 9-12, offers a comprehensive curriculum that not only introduces students to the fundamentals of drone technology but also prepares them for official certification through Woz Ed, a recognized leader in drone education.

DIY MAKER SPACE: CREATIVITY IN DESIGN: .5 Credit

COURSE DESCRIPTION: Dive into a world of innovation with *DIY Maker Space: Creativity in Design!* This course offers hands-on experience with state-of-the-art tools like laser engravers, CNC machines, silhouette cutters, and 3D printers. Discover how to design and create unique projects such as custom decorations, jewelry, signs, and more. Learn the essentials of digital design, fabrication techniques, and project management while bringing your creative ideas to life. Perfect for students who love DIY, creative problem-solving, and exploring the possibilities of modern maker technology!

BROADWAY MUSICALS AND THE ISSUES THEY EXPLORE: .5 Credit

COURSE DESCRIPTION: Take a closer look at Broadway musicals and how they talk about important issues in society. In this class, we'll watch shows like *Wicked*, *West Side Story*, *Rent*, and *Hamilton* to see how they deal with topics like race, gender, class, and immigration. You'll learn how musicals tell powerful stories through songs and performances, and how they reflect what's happening in the world around us. Whether you love theater or are just curious, this course will show you how Broadway can inspire change and make us think.

HOME AND CAREERS



Home and Careers Department:

Caroline Mapes

COOKING BASICS: .5 Credit (in the Fall)

COURSE DESCRIPTION: Fundamental kitchen skills taught throughout the course include knife cuts, cooking terminology and proper use of equipment. Students will cook a different nutritious meal each week and will become familiar with cooking using the oven, stove, and microwave, as well as using other kitchen appliances.

INTERNATIONAL FOODS: .5 Credit (in the Spring)

PREREQUISITE: Cooking Basics during Fall semester or equivalent cooking experience from a past class.

COURSE DESCRIPTION: In International Foods, students will learn how to make popular dishes from around the world. Each week, students will take a tour through the culture and cuisine of a different country and learn to make one of its most iconic recipes. Recommended for students that are willing to try new things!

BAKING: .5 Credit (in the Spring)

COURSE DESCRIPTION: Study the fundamentals of baking, including cakes, pies, cookies, breads, pastries, confections, and other bakery products. Students will also learn baking terminology, the proper use of tools and equipment, the function of ingredients and decorating techniques.

FOOD SCIENCE: 1 Credit

COURSE DESCRIPTION: Ever wonder what makes food spicy, how baking powder makes a cake rise, or why Twinkies last such a long time? There is a lot of science that goes into the everyday foods that we love! Food scientists all over the world study the physical, biological, and chemical makeup of food and use what they learn to make our food supply safe, nutritious, sustainable and delicious. *In Food Science, students will get an overview of the food industry. Topics will include product development, sensory analysis, current events, nutrition, food chemistry, food quality, food safety, food microbiology and food processing and packaging. Classes will include hands-on, edible activities that demonstrate various food science concepts.*

FROM YARN TO FABRIC STITCHWORK: 1 Credit

COURSE DESCRIPTION: A full year course designed to be an introduction to sewing, knitting and crocheting. Learn about the tools, materials and techniques used in these crafts and make your own practical projects that can be used and worn. Express your creativity as you create unique projects and learn new skills!

MISCELLANEOUS

DRIVERS ED: .5 Credit

COURSE DESCRIPTION: Students will learn the basics of learning how to drive. This class takes place in the classroom as well as on the road. Students must have their permit before being able to drive. This runs through BOCES.

ONLINE COURSES: .5/1 Credit

COURSE DESCRIPTION: CA BOCES offers a variety of online high school courses. Students cannot take any course already offered by staff at GVCS. This course also cannot take place of the mandatory 6 classes students must be enrolled in. Mrs. Preston will show the courses to students when making a schedule for the next school year. GVCS pays for these courses. Grades are put on a transcript.

ONLINE COLLEGE COURSES: .5/1 Credit

COURSE DESCRIPTION: GVCS will notify students at upcoming online college courses taught by Corning Community College and Houghton College. Students are responsible for the costs attached. Online courses are not on student's transcripts and there are extra credits not included in the mandatory 6 classes.

PHYSICAL EDUCATION EXEMPTION CRITERIA:

DESCRIPTION: A junior or senior participating in a varsity sport may be eligible to be exempted from their PE requirement for the duration of the season of the sport in which they are participating. Depending on the length of the season, this may mean the student would need to join a PE class mid-quarter. To be exempted the student's schedule must contain a minimum of seven credits. The student should communicate their desire to be exempted with a guidance counselor who will then communicate with the student's parents. An exemption may be granted by pending and superintendent approval.

LATIN HONORS RECOGNITION:

DESCRIPTION: Starting with the class of 2025, graduating seniors will be recognized as graduating Summa Cum Laude for cumulative high school average of 96% or above, Magna Cum Laude for an average of 92-95.99%, and Cum Laude for an average of 88-91.99%. Class rank will not be publicized unless requested by a college, university, or scholarship. Students interested in speaking at graduation will submit speeches to a selection committee composed of faculty members and students. We will continue to recognize a valedictorian and salutatorian for the classes 2022, 2023, and 2024 as well as recognize honor graduates at graduation according to the Latin honors method outlined above.

*College Courses