

George & Evelyn Stein High School

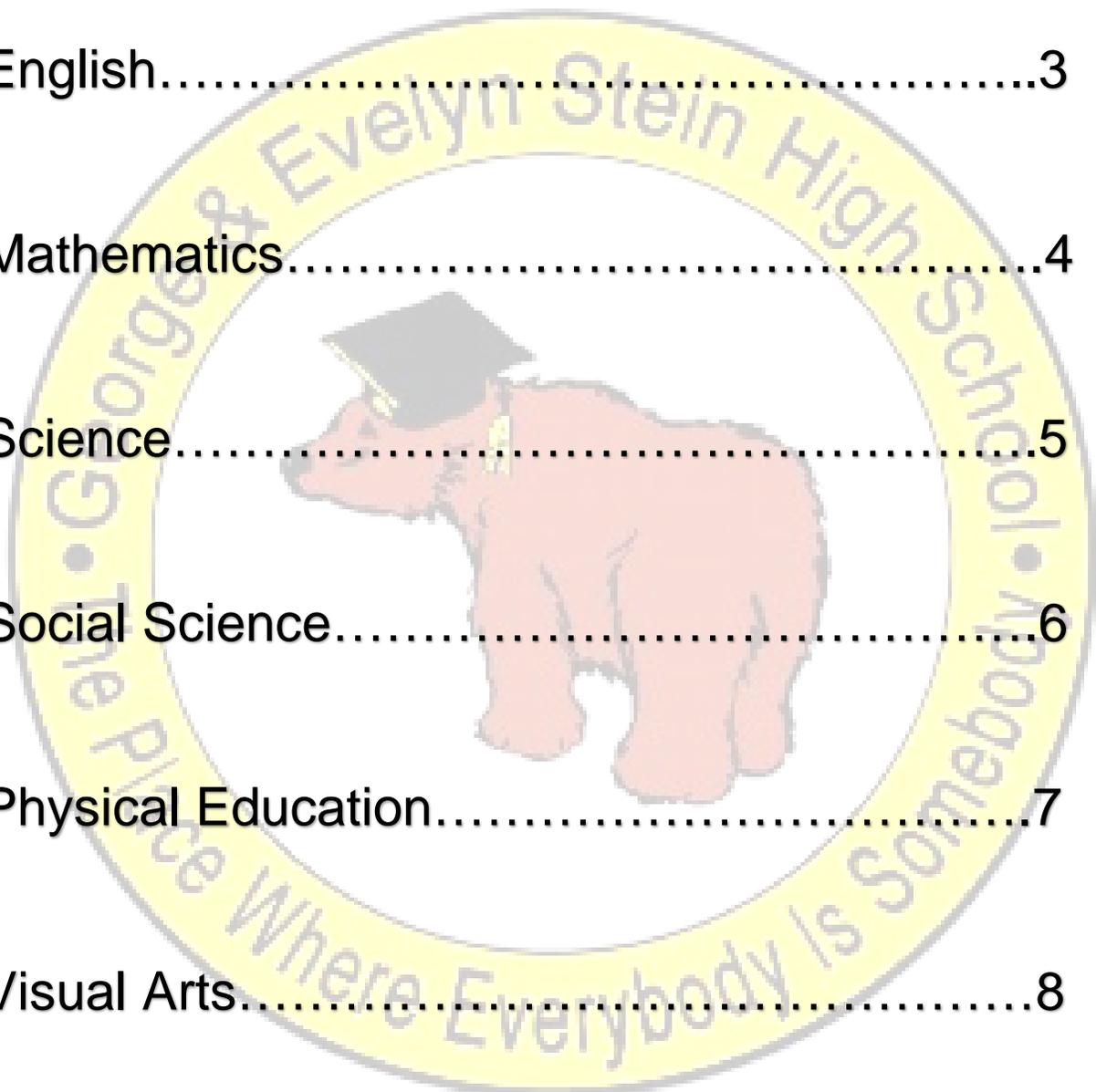
Course Catalog

2022-2023



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ENGLISH

English 1P A*1003

Grade Level: 9

Prerequisite: None

Graduation: Meets requirement

This course engages students in literary analysis and inferential evaluation of great texts both classic and contemporary. While critically reading fiction, poetry, drama, and literary nonfiction, students will master comprehension and literary-analysis strategies. There are activities that encourage students to strengthen their oral language skills and produce clear, coherent writing.

English 2P A*1133

Grade Level: 10

Prerequisite: None

Graduation: Meets requirement

This course reinforces literary analysis and twenty-first century skills with pieces of literature and literary nonfiction, application e-resources, and educational interactives. Each thematic unit focuses on specific literary analysis skills and allows students to apply them to a range of genres and text structures. As these units meld modeling and application, they also expand on training in media literacy, twenty-first century career skills, and the essentials of grammar and vocabulary. Students also compose descriptive, persuasive, expository, literary analysis, research, narrative, and compare-contrast essays.

English 3P A*1263

Grade Level: 11

Prerequisite: None

Graduation: Meets requirement

This course invites students to delve into American literature from early American Indian voices through contemporary works. Students engage in literary analysis and inferential evaluation of great texts as the centerpieces of this course. While critically reading fiction, poetry, drama, and expository nonfiction, students master comprehension and literary analysis strategies. Interwoven in the lessons across two semesters are tasks that encourage students to strengthen their oral language skills and produce creative, coherent writing.

English 4P A*1383

Grade Level: 12

Prerequisite: None

Graduation: Meets requirement

This course offers insight into British literary traditions spanning from Anglo-Saxon writing to the modern period. With interactive introductions and historical contexts, this full-year course connects philosophical, political, religious, ethical, and social influences of each time-period to the works of many notable authors.

Service Learning 6651

Grade Level: 11, 12

Prerequisite: None

Graduation: Meets requirement

This course will give students the opportunity to assist their community by becoming Service-Learning Volunteers. Student placement occurs in elementary school classrooms or community agencies for a minimum of 60 hours of service. During this time, Stein students will work directly with elementary school staff or community agency supervisors doing a variety of task related to the specific agency's needs. The Service-Learning Program's curriculum units will give students an alternative way to earn ELA or Elective credit and, at the same time, feel productive within their community. Students must complete a Service-Learning Program Application, have good attendance and be in good academic standing for course consideration.



MATHEMATICS

Algebra Readiness A*2065

Grade Level: 9

Prerequisite: None

Graduation: Meets requirement

This course is designed for students who have completed a middle school mathematics sequence but are not yet Algebra-ready. This course reviews key algebra readiness skills from the middle grades and introduces basic Algebra I work with appropriate support. Students revisit concepts in numbers and operations, expressions and equations, ratios and proportions, and basic functions. By the end of the course, students are ready to begin a more formal high school Algebra I study.

Algebra 1P A*2472

Grade Level: 9, 10, 11, 12

Prerequisite: None

Graduation: Meets requirement

This course focuses on five critical areas: relationships between quantities and reasoning with equations, linear and exponential relationships, descriptive statistics, expressions and equations, and quadratic functions and modeling. Students will interpret, analyze, compare, and contrast functions that are represented numerically, tabularly, graphically, and algebraically. Quantitative reasoning is a common thread throughout the course as students use algebra to represent quantities and the relationships among those quantities in a variety of ways. Standards of mathematical practice and process are embedded throughout the course.

Algebra 2P A*2476

Grade Level: 9, 10, 11, 12

Prerequisite: None

Graduation: Meets requirement

Students learn through discovery and application, developing the skills they need to break down complex challenges and demonstrates their knowledge in new situations. Course topics include quadratic equations and functions; polynomial functions; rational expressions and functions; radical expressions and functions; exponential and logarithmic functions, trigonometric functions; modeling with functions; probability and inferential statistics; probability distributions; and sampling distributions and confidence intervals.

Geometry P A*2474

Grade Level: 9, 10, 11, 12

Prerequisite: None

Graduation: Meets requirement

This course builds upon students' command of geometric relationships and formulating mathematical arguments. Students learn through discovery and application, developing the skills they need to break down complex challenges and demonstrate their knowledge in new situations. Course topics include reasoning, proof, and the creation of sound mathematical arguments; points, lines, and angles; triangles and trigonometry; quadrilaterals and other polygons; circles; congruence, similarity, transformations, and constructions; coordinate geometry; three-dimensional solids; and applications of probability.

SCIENCE

Biology A*2450

Grade Level: 9, 10, 11, 12

Prerequisite: None

Graduation: Meets requirement

This course engages students in the study of life and living organisms and examines biology and biochemistry in the real world. This is a yearlong course that encompasses traditional concepts in biology and encourages exploration of new discoveries in this field of science. The components include biochemistry, cell biology, cell processes, heredity and reproduction, the evolution of life, taxonomy, human body systems, and ecology. This course includes both hands-on wet labs and virtual lab options.

Chemistry A*3263

Grade Level: 10, 11, 12

Prerequisite: None

Graduation: Meets requirement

This course will engage students in the study of the composition, properties, changes, and interactions of matter. The course covers the basic concepts of chemistry and includes eighteen virtual laboratory experiments that encourage higher order thinking applications, with wet lab options if preferred. The components of this course include chemistry and its methods, the composition and properties of matter, changes and interactions of matter, factors affecting the interactions of matter, electrochemistry, organic chemistry, biochemistry, nuclear chemistry, mathematical applications, and applications of chemistry in the real world.

Physics A*3313

Grade Level: 10, 11, 12

Prerequisite: None

Graduation: Meets requirement

This course engages students with analogies and imagery from real-world situations to build a strong conceptual understanding of physical principles ranging from classical mechanics to modern physics. With this strong conceptual foundation, students are better equipped to make connections between the concepts of physics and their everyday world. Components include, but are not limited to: forces, waves, energy, light, electromagnetic waves, electric charges, and nuclear physics.

SOCIAL SCIENCE

World History A*7103

Grade Level: 10

Prerequisite: None

Graduation: Meets requirement

This advanced study of world history explores historical themes common to societies around the world and across time periods, from 1200 to the present day. Emphasis is placed on document analysis, historical thinking skills, reasoning processes, and essay writing. Students will demonstrate their understanding and acquisition of skills through written work, document-based questions, project-based activities, and practice exams.

US History A*7253

Grade Level: 11

Prerequisite: None

Graduation: Meets requirement

This course presents a cohesive and comprehensive overview of the history of the United States, surveying the major events and turning points of U.S. history as it moves from the Era of Exploration through modern times. As students examine each era of history, they will analyze primary sources and carefully research events to gain a clearer understanding of the factors that have shaped U.S. history. They will also assess the outcomes of economic trends and the connections between culture and government.

American Government A*7391

Grade Level: 12

Prerequisite: None

Graduation: Meets requirement

This semester-long course provides students with a practical understanding of the principles and procedures of government. The course begins by establishing the origins and founding principles of government in general and then American government specifically. Different forms of government and the aspects of each are introduced. After a review of the Declaration of Independence, the Articles of the Confederation, and the Constitution and its amendments, students investigate the development of civil rights and liberties. Lessons also examine influential Supreme Court decisions that demonstrate the importance of Constitutional rights. Students also explore the function of government today and the role of citizens in the political process.

Economics A*7381

Grade Level: 12

Prerequisites: None

Graduation: Meets requirement

This course invites students to broaden their understanding of how economic concepts apply to their everyday lives—including microeconomic and macroeconomic theory and the characteristics of mixed-market economies, the role of government in a free-enterprise system and the global economy, and personal finance strategies. Throughout the course, students apply critical-thinking skills while making practical economic choices. Students also master literacy skills through rigorous reading and writing activities. Students analyze data displays and write routinely and responsively in tasks and assignments that are based on scenarios, texts, and activities.

PHYSICAL EDUCATION

Advanced PE 9101

Grade Level: 10, 11, 12

Prerequisite: None

Graduation: Meets requirement

This is a varied activity course. Activities will be composed of dual, individual, team, and lifetime sports.



VISUAL ARTS

Art & Design A*2490

Grade Level: 9, 10, 11, 12

Prerequisite: None

Graduation: Meets requirement

Visual Arts courses typically cover design elements and principles, language, materials, and creative processes used to produce various kinds of visual arts. Visual Arts courses provide students with knowledge and opportunities to explore a variety of art forms and to create individual works of art. Students address the artistic processes of creating, presenting, responding and connecting and become artistically literate within the art form. The use of skills such as communication, creativity, critical thinking, and problem solving are part of every course, the 21st Century Skills, which contribute to student success in a global economy and in culturally diverse environments. Visual arts courses include the traditional fine arts such as, but not limited to, drawing, painting, ceramics, metals, printmaking, fiber arts, photography, sculpture, works in wood, and mixed media; architectural, environmental, and industrial arts such as urban interior, product, and landscape design as well as the folk arts.



ELECTIVES

ASVAB A*6191

Grade Level: 11, 12

Prerequisite: None

Graduation: Meets requirement

The ASVAB virtual test prep course will prepare students for the Math, Verbal, and Science sections of the Armed Services Vocational Aptitude Battery. Each subject includes multiples strands, each with its own diagnostic pretest—allowing students to focus their study only on their areas of weakness. Personalized study plans based on the diagnostic results include video-based instruction, assignments and practice, and assessment to ensure that students have mastered material.

Advisory 0504

Grade Level: 11, 12

Prerequisite: None

Graduation: Meets requirement

This course meets twice weekly and is designed to help balance academic requirements of students with their future goals. Advisory focuses on supporting students' academic progress, career planning, school culture building, and building positive relationships both in and out of the classroom. Advisory acts as a homeroom for students and a place where they receive campus news as well as personal progress reports (weeklies).

Consumer Home Economics A*5501

Grade Level: 9, 10, 11, 12

Prerequisite: None

Graduation: Meets requirement

This course focuses on understanding daily issues and improving aspects of life that impact individuals, families, and communities, such as relationships, shelter, clothing, and nutrition. The course teaches students to understand good decision-making skills, basic concepts of nutrition and food preparation, kitchen organization, purchasing food, and the relationship of nutrition and physical fitness to good health. Students research occupations, colleges, and possible future careers as part of goal setting. Additionally, aspects of personal finance, such as paying bills, managing account balances, and opening bank accounts are introduced.

Contemporary Health A*2496

Grade Level: 11, 12

Prerequisite: None

Graduation: Meets requirement

Contemporary Health is available as either a semester or yearlong course. This course examines and analyzes various health topics. It places alcohol use, drug use, physical fitness, healthy relationships, disease prevention, relationships, and mental health in the context of the importance of creating a healthy lifestyle. Students also examine and analyze harassment and bullying laws. This course takes covers issues of sex and gender identity, same-sex relationships, contraception, and other sensitive topics.

Foundations of Personal Wellness A*2497

Grade Level: 11, 12

Prerequisite: None

Graduation: Meets requirement

Exploring a combination of health and fitness concepts, this comprehensive and cohesive course explores all aspects of wellness. Offered as a two-semester course designed for high school students, coursework uses pedagogical planning to ensure that students explore fitness and physical health and encourages students to learn about the nature of social interactions and how to plan a healthy lifestyle.

Horticulture A*6540

Grade Level: 11, 12

Prerequisite: None

Graduation: Meets requirement

Students in horticulture will learn about soil type, growing plants to designing garden spaces. Students will learn about the trends in horticulture and plant science, including plant modifications and designing for sustainability. Students will study about landscaping, soil science, different ways to identify, classify, and categorize plants, how to propagate and grow plants in a laboratory or garden, seed grafting, how to stay safe working in the nursery or garden and how irrigation systems work and about research and discoveries in irrigation science today.

Intro to Communications and Speech A*2495

Grade Level: 11, 12

Prerequisite: None

Graduation: Meets requirement

Introduction to Communications and Speech builds student understanding of the elements, principles, and characteristics of human communication, this course offers fascinating insight into verbal and nonverbal messages and cultural and gender differences in the areas of listening and responding. High school students enrolled in this one-semester course will be guided through engaging lectures and interactive activities, exploring themes of self-awareness and perception in communication. The course concludes with units on informative and persuasive speeches, and students are given the opportunity to critique and analyze speeches.

Lifetime Fitness A*2498

Grade Level: 11, 12

Prerequisite: None

Graduation: Meets requirement

Exploring fitness topics such as safe exercise and injury prevention, nutrition and weight management, consumer product evaluation, and stress management, Lifetime Fitness equips high school students with the skills they need to achieve lifetime fitness. Throughout this full year course, students assess individual fitness levels according to the five components of physical fitness: cardiovascular health, muscular strength, muscular endurance, flexibility, and body composition. Personal fitness assessments encourage students to design fitness programs to meet their individual fitness goals. This course may be used to fulfill the PE requirement for students that transfer back to the comprehensive high schools.

Online Learning & Digital Citizenship A*2420

Grade Level: 11, 12

Prerequisite: None

Graduation: Meets requirement

In this one-semester course, students develop essential study skills for academic success, such as staying organized, managing time, taking notes, applying reading strategies, writing strong papers, and researching and properly citing information. Explicit modeling and ample practice are provided for each study skill to support student mastery. Instruction on how to be a responsible online learner is threaded throughout the course, and these skills are directly addressed in lessons on cyberbullying, staying safe online, and becoming a digital leader. A basic understanding of software and hardware and how to troubleshoot common technology issues are also taught. By the end of the course, students will have the tools they need to be academically successful in both traditional and digital learning environments.

Portfolio 6192

Grade Level: 11, 12

Prerequisite: None

Graduation: Meets requirement

This course is designed to instruct students in the components required for the Graduation Portfolio: (1) The Product/Project, (2) Short/Long Term Goals, (3) Research Report(s) and (4) The Presentation. The Student Portfolio includes practical, real-world items (resume, career research, letters of recommendation, etc.) as well as many optional items that each student chooses to include, such as, but limited to a FAFSA Application Confirmation, Online Job Application, and/or ASVAB Test Scores. Upon completing their portfolio, and with the approval of their Advisor, each student must present their portfolio to a panel of teachers.

Strategies for Academic Success A*2419

Grade Level: 11, 12

Prerequisite: None

Graduation: Meets requirement

This course offers a comprehensive analysis of different types of motivation, study habits, and learning styles. Engaging lessons are provided that will help students identify what works best for them individually. This one-semester course covers important study skills, such as strategies for taking high-quality notes, memorization techniques, test-taking strategies, benefits of visual aids, and reading techniques.

Teacher's Assistant A*7832

Grade Level: 11, 12

Prerequisite: None

Graduation: Meets requirement

Students may assist the teacher in preparation of learning materials and help the instructor with typing, filing, and copying materials.