



2019-2020
MIDDLE & HIGH SCHOOL
WORKSHOPS

\$750.00/semester each

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HISTORY/ SOCIAL SCIENCE

Students will examine the earth's landscapes, people, and cultures through the lens of the Five Themes of Geography: Location, Place, Regions, Movement, and Human-Environment Interactions. Beside strengthening their ability to read and use maps, students will also strive to develop habits of mind that enable them to better observe the many connections and patterns (social, economic, political, cultural) that exist in our world.

While this does touch upon ancient civilizations (Greece, Rome, Medieval Christianity, Islamic Empires), it will focus primarily on the birth, evolution, and spread of Democratic ideas beginning from the European Renaissance & Reformation, through the Scientific Revolution & Enlightenment, and into the 20th century. This course will also examine the Industrial Revolution, the Era of European Imperialism, the World Wars, the Cold War, and the post-colonial struggles that have helped shaped the modern world.

Students will be exposed to US History from the earliest transatlantic contact to the 21st century. Students first examine the establishment and development of European colonies in the new World and the eventual War for Independence by Britain's American colonies.

ENGLISH/LANGUAGE ARTS

Students will apply their knowledge of word origins to determine the meaning of new words encountered in reading materials and use these words accurately. Students will analyze the organizational patterns, arguments, and positions proposed. In addition, students will read a wide variety of classic and contemporary literature, magazines, newspapers, and online information. Students will develop their skills in appropriate word choice, language mechanics, effective sentence & paragraph organization, and polish their essay writing techniques. Students will write informative/expository, persuasive and narrative essays. Practice with a variety of letter formats will be presented. Research skills and technology will be used when appropriate. Self-editing skills, spelling rules, roots, prefixes and suffixes will be reinforced.

Students will read, write and discuss poetry, fiction, and drama at an advanced college level while using online resources to develop skills including sophisticated use of literary elements and terminology, close readings of various texts, creating, drafting, and editing college-level analytical essays, preparing and writing timed essays, and advanced use and mastery of standard English.

MATHEMATICS

It is a study of real numbers and their properties; writing and solving equations and inequalities, linear equations, quadratic and exponential functions; equations and expressions; statistics and probability.

Students will learn description and relationship of space, explanations of geometric relationships, and the development of reasoning skills. This course teaches the properties of angles, lines and planes, covers polygons and circles as well as the applications of circumference, area, and volume formulas. Students are introduced to Geometry terms and concepts including the Pythagorean theorem, polygon similarity, deductive reasoning.

Students are introduced to the concept of a function. The class consists of an investigation of different functions, their graphs and properties. These functions will be used to solve linear equations and inequalities, systems of equations and inequalities as well as radical equations and inequalities. Particular attention will be paid to linear, quadratic, exponential and logarithmic functions. This course incorporates problem solving skills, logical thinking, and real life applications. Passing this course is a requirement for graduation.

SCIENCE

The subjects covered include cell biology, genetics, evolution, ecology, and physiology with an emphasis on human body structure. Topics include cell structure and organization, genes as a set of instructions encoded in the DNA, genetic mutations, and the structure and function of DNA, RNA, and proteins; the theory of evolution and the principles of ecology including populations, ecosystems, biological communities, and the environment; human biology including body structure and the major systems that regulate the functions and activities in the human organism. Individual projects, lab experiments, research projects, videos, discussions and activities are used.

FOREIGN LANGUAGES

SPANISH

This is an introduction to language and culture of Spanish speaking countries.

Students will learn the foundations of language in the areas of speaking, reading, listening, comprehension, writing, vocabulary and grammar. Students will study the cultural similarities and differences of Spanish speaking countries. Students will acquire the basic language skills allowing them to communicate in Spanish in their daily interactions relevant to home, school, and in the community.

Students will develop their communication skills in the areas of speaking and listening and increase composition skills in the areas of grammar, vocabulary, and reading comprehension. Students will further study the language and culture of Spanish speaking countries.

CHINESE

Length/Credit: 2 semesters

Credits: 1 credit each semester

Grades Offered: 9, 10, 11, 12

Prerequisite: Recommended for all college-bound students. Preference will be given to sophomores or juniors that have not taken a language.

This is an introduction to language and culture of Mandarin Chinese speaking countries. Students will learn the foundations of language in the areas of speaking, reading, listening, comprehension, writing, vocabulary and grammar. Students will study the

cultural similarities and differences of Mandarin Chinese speaking countries. Students will acquire the basic language skills allowing them to communicate in Mandarin in their daily interactions relevant to home, school, and in the community.

VISUAL AND PERFORMING ARTS

ART

Art class provides a way for students to express themselves through drawing, painting, sculpture and other applied methods. Students have the opportunity to use imagination and creativity in a safe classroom setting. They will work with art materials such as acrylics, watercolor, pastel, clay, graphite and color pencil, collage materials, paper and recycled materials. Students will discuss theories, techniques and art history. Students will become familiar with art vocabulary. Art works may be placed on display around the campus. Emphasis is on enjoying the artistic process.

This Studio Art course introduces students to a variety of artistic media and techniques. Students will be able to create art works through drawing, painting, sculpture, ceramics, printmaking and digital media. Throughout this course students will complete activities, in-depth projects and will participate in discussions about art.

MUSIC

In this course, students will learn a comprehensive overview of music and musical concepts. Students will learn about music history and selected master composers. Students will learn the science of sound (acoustics, pitch, compression waves) how to read written music (notes, rests, the grand staff, time and key signatures), the structure of songs (chords, melody, rhythm, harmony, general theory), creation of a song (major vs. minor keys, the bridge), the instruments (woodwinds, brass, percussion, strings). Students will be required to identify selected classical songs by ear with title and composer.

In this course, students will learn about detailed explanation of music theory, circle of fifths and more complex modes of composition, piano and/or guitar technique instruction, and performance concepts and live sound techniques. Students will be given instruction on music theory that will allow them to begin understanding how to compose music including chord progression and melody techniques. Melody writing will include core notes (CN) and non-core notes (NCN). The 7 modes of musical scale will be used to teach the various “moods” of music. The entire class will participate in the writing and performing of an original song.

ELECTIVES

COLLEGE, CIVIC, AND CAREER LIFE

In this course, students will develop an awareness of the specific life skills that are essential during high school and beyond. Ideally, students will therefore be able to make important life decisions that involve study habits, healthy living, communication skills, financial stability, and college or work participation.

COMPUTER LITERACY *

Students will discover and expand on their computer literacy skills. They will learn how to keyboard/type and explore practical applications such as: Word, Excel, PowerPoint, and Google Docs/Sheets. Students will learn specific application programs such as: 2D animation, GIMP for photo enhancement and image creation, 3D architectural design, and web design.

COMPUTER PROGRAMMING: INTRO TO JAVA*+

Computer Programming is an introduction to programming. Students learn to program drawings, animations and games. Course concepts include: problem solving techniques, program design, control structures, functions, loops, data structures and algorithms.

PHYSICAL EDUCATION

Physical education is a vital component for the development of a student's physical, mental and social well-being. It is our mission to provide an equal opportunity to our students, through planned activities, for physical development in the areas of strength, flexibility, coordination, balance, agility, range of motion and power. Our program will allow students the opportunity to develop individual skills and introduce new enjoyable experiences for life long physical fitness and well-being. This course will also discuss and examine the importance of health promotion through daily exercise

SPORTS PE

In this course, students will learn the basic skills of court and field sports such as Soccer, Basketball, and Volleyball. Each sport will be taught in a period of 3 months. This class will also stress the importance of performance, sportsmanship, and rules and regulations for each sport. Grades will be determined by students' participation during each class.

WRITING COURSE

In this course students will prepare to become effective communicators. As students enter college and the work force, it is important that students have the skills necessary to express their ideas articulately, and to demonstrate their unique talents and writing proficiencies to their future professors, employers, and peers. To accomplish this goal, students will write coherent and focused essays that convey a well-defined perspective and tightly reasoned arguments. Writing assignments will vary in type, length, and complexity to help keep the class fresh and engaging. Students will write expository, descriptive, reflective, persuasive, and narrative essays, as well as screenplays, monologues, and poems. The writing will demonstrate students' awareness of an audience and purpose. Students will develop strategies for narration, exposition, persuasion, analysis, critique, and prose. Student work will demonstrate a command of research, organizational, and drafting strategies of standard American English conventions. They will use gestures, tone, and vocabulary tailored to their audience and purpose.

FILM STUDIES

Storytelling is the most common way that we communicate to one another. Stories told with film have a tremendous influence on our attitudes and perceptions of the world around us. In fact, films may be one of the most powerful tools in modern culture for shaping values and conveying information. By viewing, studying, discussing and writing about film, students develop and demonstrate skills in technological, cultural, and media literacy, as well as critical thinking and problem solving - skills that will serve them well in the real world.

TOEFL PREP

In the TOEFL class, students have been developing their testing skills in order to prepare students for the TOEFL exam. Students take practice tests in reading and listening. Students work all throughout the semester learning new vocabulary words,

as well as write essays. Students complete a wide range of speaking activities, and learn the essential skills necessary to prepare them for college