ELECTIVE OFFERINGS 2019-2020

Activity

Community Mentorship 7600 (0.5 credit)

Discover an exciting career or develop an interested hobby through work with a professional in the field. YOU decide an area you want to explore and we find a mentor in the community who is just right for you! Students and mentors meet during after-school hours for a minimum of 25 hours throughout the year. Students also spend 20 hours researching their area of interest on their own. Group meetings with fellow students are held in school once a month during lunch. Students plan, develop, and complete projects that reflect the real-world work of professionals and present those projects at an evening celebration towards the end of the school year. An application must be submitted.

Art

Studio Art 6100

Students will experience a variety of art making techniques and processes that will emphasize the organization of the elements of art and principles of design. In addition, description and critical analysis of artwork will be stressed. The Studio Art course addresses a broad range of art related issues and media including the relevance of art history. Materials to be used will be, but not limited to, pencil, marker, watercolor, acrylics, tempera, color pencil, pastel, scratch board, clay, and collage. Projects will include work from observation and the imagination. Studio Art is a foundation course for all students grades 9 - 12 seeking a major sequence in Art for graduation. This one credit course corresponds to the New York State syllabus and addresses the learning standards for the arts.

Clay Arts 6125

This course is intended for those studying ceramics for the first time and is a comprehensive introduction to the craft of working with clay. The primary emphasis is on studio work leading to a portfolio of finished pieces at the end of the year. Topics include: Clay - where it comes from, how it was formed, how it is gathered; early methods for forming clay objects (pinching, coiling, slab, slump constructions); colored slip/engobe work; and glazing. In addition to demonstrations of technique and technical assignments, we will view historic and contemporary examples of fine ceramic art and video illustrations of processes. Students will become proficient at researching, planning, and implementing their ideas through assigned processes and concepts.

Drawing for Design 6105

This technically oriented drawing class is a recommended prerequisite for students grades 9 - 12 interested in Architecture, Interior Design, Landscape Design, Drafting, Engineering, Industrial Design, Fashion Design, Textile Design, CAD Technology, Botanical/Medical Illustration, and Graphic Design. The universal language of design will be explored throughout the year. Students will begin by developing excellent skills in drawing with the use of drafting instruments. This valuable course demands discipline, serious attitude, innovation, and creativity. Students will learn the methods of linear projection so that a visually descriptive language becomes available to them. Projects may include Product Design, Package Design, Transportation Design, Fashion, and Interior Design. Students will examine and appreciate the processes and rich history of design and its application.

Digital Art 6101

PREREQUISITE: 1.0 Art Credit

This introductory design course teaches core skills using the industry standard for Digital Art - Adobe Creative Cloud. This is one of the most powerful programs for professional artists in the field today. You will use what you learn to express yourself in original digital drawings and artwork. This course will focus on the Adobe programs of Lightroom, Photoshop, Illustrator, and InDesign. If time allows, students will be encouraged to explore the other programs included such as After Effects, Bridge, and Animate. Students will learn digital camera use, image manipulation, computer illustration techniques, graphic design, visual literacy, copyright law, and the principles and elements of art in composition. Art and cultural movements will be examined as they relate to specific projects.

Drawing & Painting 6110

PREREQUISITE: 1.0 Art Credit

Students are expected to demonstrate technical skills, creative growth, and an increased mastery in concept, composition, and execution of ideas. Students will explore a variety of drawing and painting techniques and processes that will emphasize the organization of the elements of art and principles of design, as well as, quality. The Drawing and Painting

course addresses a broad range of 2-dimensional art related issues and media. Materials to be used will be, but not limited to, pencil, charcoal, marker, Conte, chalk pastel, oil pastel, color pencil, watercolor, tempera, acrylics, oils, and collage. Work to be performed will include work from observations and the imagination. In addition, students will be encouraged to develop their own personal ideas and engage in critical thinking and problem solving, as well as, critical analysis of artwork.

Glass & Metals 6115

PREREQUISITE: 1.0 Art Credit

This course explores traditional and non-traditional uses of metals and glass. Artistic design concepts and the elements and principles of art will be stressed though the development of both 2-dimensional and 3-dimensional studio project. Project in metal repousse, glass mosaic, stained glass, copper enamel, metal-smithing and sculpture will be explored.

Photography 6119

PREREQUISITE: Studio Art or Drawing for Design

During this course students will explore the world of Photography; both the Art and Science of creating an image. First semester will consist primarily of the process of black and white film development. Students will learn how to use a 35mm camera, load film, develop film, and create enlargements. We will study and explore photograms, pinhole cameras, the history or photography, and well known photographers of both past and current. During the second semester digital photography will be explored, as well as, software for developing and editing photographs such as Adobe Photoshop. Throughout the year you will learn how to create photographic works through use of light, equipment, and composition. There are 35mm cameras in the Art Department for students use. You may sign these out once you have learned how to use the quipment correctly and care for it. If you have your own 35mm camera you may use that as well. In addition, to the mechanical aspects, students are urged to improve their understanding of the aesthetic qualities of photographic composition, design, and mood producing visual qualities.

AP Art 2D Design 6161
AP Art 3D Design 6162
AP Art Drawing Portfolio 6163

PREREQUISITE: 2.0 art credits

AP Studio Art is designed for the student seriously interested in the practical experience of making art. This program requires a significant amount of commitment and dedication from the students. Expectations for students achievement are high and equal to an introductory college level course. Students will work toward the development of a comprehensive Studio Portfolio that may meet particular entry level college course requirements. In building the portfolio, students will experience a variety of studio techniques and processes that will emphasize the organization of the elements of art and principles of design, as well as, quality. Students will be encouraged to engage in critical thinking and problem solving, thus becoming independent thinkers through the means of making art.

Business

Career Prep/Business Law 6203

Complete 2 credits in 1! Prepare soft skills for employment while learning how to obtain college scholarships, schedule and manage your time, register for SAT & ACT exams, file CSS Profile, and explore FAFSA and financial aid websites. Students will sharpen their career skills with active, project-based study, enhancing their creative skills while learning about preparing for a career. This course has a work-study component that allows students to earn 1.0 credit for being employed now or in the future.

College Comp Skills/BUS 171 6204

Gain college credit while learning essential computer software skills used in business and college! Using the Microsoft Office Suite of business applications for the PC, students learn how computers can aid the business decision-making process. Applications include word processing, spreadsheets, database management, and presentation software. Students will leave this course with business and computer skills and will be imperative for their future in college or the workplace. BUS 171 is a college bridge course for college credit with SUNY Ulster. The cost of registration with SUNY Ulster for 3.0 college credits is $195 or $15 for students on free/reduced lunch.

Intro Computer Science 6206

This is an introductory course in which students will learn the basics of computer science. Students will learn to build their own software applications with Visual Basic 2012. Visual Basic is the most popular programming language in the world and can be used to create a variety of programs including video games, databases, apps, and more. Additional skills

learned in this course include human to computer interaction, data analysis, and creating and manipulating graphics. This course is essential for any student wishing to pursue a career in computer science or other careers that involve coding. Coding is becoming increasing popular in all areas. Some examples of careers using computer coding include information technology, video game design, web design, software development, manufacturing, healthcare, retail, and financial services.

Marketing 6216

Have you ever purchased a product, seen a commercial, or watched the show Shark Tank? If so, you have been exposed to marketing. Marketing is the action of promoting and selling products. In this introductory business course, students will learn that marketing is more than just advertising. It involves the invention and development of new products, determining prices, finding out what customers really wants, how to make a profit, and getting products from the manufacturer to the end user. Students will gain experience in business, explore careers in marketing, and find out what it takes to be an entrepenuer.

Advanced Marketing 6217

PREREQUISITE: Marketing

This course allows for individualized study of marketing topics. Students can choose topics of study such as: tourism, fashion merchandising, marketing management, product planning, employee training, entrepreneurship, or others. Assignments and projects may include: writing a business plan, researching and analyzing marketing campaigns, completing a written D.E.C.A. event, or managing the school store.

Sports & Entertainment Market 6225

Are you a sports fan? In this course students will learn about the business and promotion sides of the sports and entertainment industries. Students will be introduced to basic marketing and business terms through techniques used to promote and market sports. Topics include: sports current events, tourism, event planning, managing a sports franchise, ethical issues in sports, advertising and promotion.

Law Enforcement 6230

Participate in the actual correctional officer and police officer training. Students will take field trips to correctional facilities, police training centers, canine training, and other law enforcement centers. Students will have the opportunity to talk face-to-face with inmates and convicts at state correctional facilities. This course is packed with guest speakers from all areas of law enforcement including: state police investigators, police officers, canine trainers, sheriff deputies, gang unit officers, FBI personnel, and specialty areas such as dive teams, and bomb squads. Students will learn from the actual books and laws police officers use everyday. Anyone considering a career in any area of law enforcement should take this course.

Business Math 6246

This course has a high practical application with low homework. It is applicable for today, everyday, and for the rest of your life. Checkbooks, bank accounts, buying a home, purchasing an automobile, and understanding credit versus installment purchases are some of the many lifetime applications of math used in this course. It is a must take class for those going to college or entering the workforce upon graduation.

English

SAT/ACT Prep 1515 (not for course credit)

This one semester course is designed to assist students in their preparation for the SAT and ACT exams. The course will focus on test taking strategies, specific to these two exams, and on content skill building. These tools will be applied across the English Language Arts, Math, and Science test sections. Students will complete 4 full length practice exams over the semester and receive detailed score reports and analysis. These individual score reports help students reflect on their performance and work toward improving their results. This class meets every day and is graded pass/fail. This course is aimed at juniors preparing for the ACT/SAT.

Mythology 1511 (0.5 credit)

From tragic heroes to tricksters, love to fear, and of course the omniscient gods and goddesses, there is something for everyone in Mythology. Are you ready for this epic expedition? This course is designed to enhance your understanding of mythology and its continuing influence on our modern world. Students will study mythology from various cultures, including the GrecoRoman, Norse, Egyptian, and Hindu Pantheons.

Science Fiction 1512 (0.5 credit)

We will explore dystopian universes and outer-space as we question how the creation of alternate realities provides a safe space for authors to discuss their social, political, and cultural beliefs. We will study works that shaped the science fiction genre, started important conversations about what it means to be human in a changing world, and influenced the world we inhabit today - and where we'll live tomorrow.

Family Consumer Science

Food & Nutrition 6300 (0.5 credit)

Whether you are a "foodie" or just want to learn how to cook for yourself, Food & Nutrition will give you practical skills in the kitchen. Learn knife skills, a variety of cooking techniques and experience the use of small appliances such as a wok, food processor, immersion blender, and ice cream machine. While using these tools you will learn ways to reduce salt, fat and sugar to create a healthier diet. Food safety and sanitation, and fitness will be discussed. Community service by preparing food for a local soup kitchen will also be part of this course.

Food Science 6320 (0.5 credit)

Experience kitchen chemistry and begin to develop new food creations. You will participate in food science experiments by making popcorn, ice cream, cheese, salsa, root beer, and cookies to name a few. Learn how to make substitutions to make food more nutritious, then create a food that is unique using the concepts taught in class. This class can be used for Science or CTE credit.

Health

Adv. First Aid & CPR 6407 (0.5 credit)

This course will give students a comprehensive understanding of advanced first aid and CPR/AED concepts. Completion of the course will result in certifications from the American Safety Health Institute(ASHI) in Advanced First Aid and CPR Pro. This course is ideal for students who wish to babysit, join their local volunteer fire department, lifeguard, or are interested in a health or service profession.

Math

Intro to College Math (formerly Intermediate Algebra) 4350

PREREQUISITE: Algebra I course with Regents exam

Intro to College Math is a course designed to provide students with the opportunity to learn advanced topics in math without the pressure of the Common Core Regents curricula and exams. Students will explore in depth Geometry and Algebra II topics giving them the proper preparation for SUNY Ulster's Math 115 (College Algebra II and Trigonometry). Units discussed include Radicals, Polynomials and Algebraic Fractions, Equations and Methods of Solving, Right Triangle Trigonometry, Matrices, Coordinate Geometry, and Statistics and the Normal Curve. After completing this course, we recommend students take Math 115, although students will have the option of taking Math 115, Geometry or math electives.

Math 115 4450

PREREQUISITE: Algebra I course with Regents exam, and Introduction to College Math (formerly Intermediate Algebra) or Geometry course and Regents exam.

Math 115 is a one-year course offered at Onteora through the Bridge Program with SUNY Ulster. Successful completion of this course may earn students 4 college math credits from SUNY Ulster. The goal of this course is to provide a foundation in algebra for students pursing liberal arts programs in college. This course meets the SUNY general education requirements for mathematics. Topics in this course include linear and quadratic equations; absolute value and polynomial inequalities; coordinate geometry of the line and circle; linear and polynomial functions; techniques of graphing; exponential functions; logarithms; right triangle trigonometry; trigonometric functions of any angle; and fundamental trigonometric identities.

Music

Music in Our Lives 6555
Music in Our Lives is a yearlong course, which covers the knowledge and characteristics of music. The goal of this course is to help students understand the social uses of music and to value music accordingly. Students will study a wide range of music representative of many styles and cultures. The contribution of technology (computers, recording devices, amplification, electronic instruments, etc.) in music and society will also be discussed. The musical heritage of America from the time of the Civil War to present day will be studied in depth along with learning to play the piano keyboard at a basic level.

Chorus 6525
Chorus is an experience in music performance using music from a variety of time periods and styles. Students will learn to read and write music as they improve their vocal skills. In addition to regular classes, students receive individual attention by meeting four to five times each quarter in small groups. Evening school concerts are scheduled each winter and spring.

Philharmonic Orchestra 6540
Orchestra is a course in music theory and performance. Students in this course need to have previous experience in reading music and performing with an ensemble. This course will continue to build on the previous skills learned which include reading and listening to music, music theory, sight-reading, and pedagogy. Students will also focus on time management, cooperation, and organizational practices. There is also an emphasis on integrating the math, language, and science fields through the reading of rhythms and the understanding of music terminology and sound production. The Orchestra Curriculum also requires meeting four of five times each quarter in smaller group lessons for more individualized attention.

Wind Ensemble 6500
The Wind Ensemble is a musical organization that rehearses many types of marches, Broadway show selections, movie and TV selections, and pop music of today.

Piano I 6570 (0.5 credit)
Piano I is a half year course designed for the beginning piano student. The class uses a workbook created for adults, employing songs in a variety of musical styles to teach basic note reading and playing technique. Students work at their own pace and are encouraged to bring in songs they wish to learn.

Piano II 6571 (0.5 credit)
PREREQUISITE: Piano I or permission of instructor
This course is intended for students who have completed Piano I. Exceptions will be made for students with previous piano training on a case by case basis. The textbook will consist of the second level book in the Alfred Adult Piano Course. Students will continue the study of music theory and learn more advanced playing techniques. Students will learn and perform at least 20 piano pieces of varying styles.

Intro to Guitar 6575 (0.5 credit)
Introduction to Guitar is both a theory and performance based class. In the first half of the course, students will start out learning proper guitar hold, posture, and tuning. Students will then progress to basic notes on the guitar and basic guitar chords both individually and as an ensemble. In the second half of the course, repertoire will include basic folk songs and progress to contemporary music as reading and playing ability increases. As a final project, students will have the opportunity to write and perform their own song based on the music theory learned throughout the course.

PE

Personal Fitness 6615 (0.5 credit)
PREREQUISITE: This course is open to 11th and 12th grade students.
This course is designed to provide you with an overview of Personal Fitness. You will be introduced to the five components of fitness, different types of aerobic/anaerobic exercises, reflections on own health and performance, proper nutrition, flexibility, muscular strength and endurance and many more topics. Material will be presented in many different ways as well as having hands on opportunities to practice and perfect your skills at any level. This class is designed for students to work within their own capacity with a goal of increasing their personal fitness through a variety movements (weights, stretching, aerobic movement, sport and games, yoga/pilates, crossfit.

Physical Education 6600 (0.5 credit)

Physical education significantly contributes to students' well being; therefore, it is an instructional priority for the Onteora Central School District and an integral part of our students' educational experience. High-quality physical education instruction contributes to good health, develops fundamental and advanced motor skills, improves students' self-confidence, and provides opportunities for increased levels of physical fitness that are associated with high academic achievement. With high-quality physical education instruction, students become confident, independent, self-controlled, and resilient; develop positive social skills; set and strive for personal, achievable goals; learn to assume leadership; cooperate with others; accept responsibility for their own behavior; and, ultimately, improve their academic performance. Within this model, two distinct areas of activities will be taught to reinforce these goals; Lifetime Fitness/Wellness and Team Sports.

Science

Science of Survival 3509 (0.5 credit)

How prepared are you to deal with the issues of today? Read and watch the news - environmental, biological, chemical and geological disasters happen every day. Most often these issues are met with ignorance, panic, denial and complacency. When you live within your strengths, push your limits and practice your weaknesses with an eye on the current global situation, you will be prepared for anything. Topics will include shelter building, water filtration and purification, fire-by-friction, wild edibles, wild medicinal, tracking, movement, awareness and orienteering.

Robotics 3507

The objective of this course is to use a hands-on approach to introduce the basic concepts in robotics. A robot is an electro-mechanical machine. Programming and building robots applies science, technology, engineering and math (STEM) concepts. Students will be taught physical concepts of motion, force, simple machines and circuitry. Students will be using teamwork, problem-solving and project management skills to complete various challenges. No prior experience with programming or electronics is required. This course is open to 10th, 11th, and 12th grade students.

Forensics 3500 (0.5 credit)

PREREQUISITE: Living Environment and Earth Science. Chemistry is suggested.
Focus on the application of scientific methods and techniques to crime and law. Recent advances in scientific methods and principles have had an enormous impact upon law enforcement and the entire criminal justice system. In this course, scientific methods specifically relevant to crime detection and analysis will be presented.

Conceptual Physics 3508 (0.5 credit)

The Conceptual Physics course will explore the natural laws that govern our universe. Topics include basic concepts of motion, forces, energy, heat, electricity, magnetism, and the structure of matter. There are no prerequisites for this course.

Anatomy 3505 (0.5 credit)

PREREQUISITE: Living Environment and Earth Science. Chemistry is suggested.
Two complimentary branches of science - anatomy and physiology - will provide the concepts to better understand the human body. Laboratory dissections will facilitate the study of anatomy, and laboratory experiments will be performed to better understand physiology. Completion of this course will prepare the student for future courses in medical and allied health fields.

AP Biology 3700

REQUIRES AP CONTRACT AND COMPLETION OF SUMMER WORK
Advanced Placement Biology is a curriculum designed to replace college level biology courses 101 and 102. It is a rigorous course requiring a minimum of one hour a night reading and reviewing the day's lesson. The course covers fifty-six chapters in less than thirty weeks and is designed for those students who work well independently and can learn and retain in-depth concepts. The course covers several units of molecular biology including the molecular basis of heredity, as well as, macro-biology and ecology. The course consists of lecture, chapter reading, study guide completion, note taking, and minimum of 12 biology labs. Students who enroll in this course should have score an 88 or higher on the Chemistry Regents. It is recommended that students take AP Biology concurrently with Anatomy and Physiology, if offered. Due to the volume of content, a summer assignment on the structure and function of human organ systems will be necessary in order to complete the curriculum. The purpose of the AP course is to prepare students for the AP exam in May. The cost for the AP exam is approximately $94.

AP Chemistry 3710

REQUIRES AP CONTRACT AND COMPLETION OF SUMMER WORK

Advanced Placement Chemistry is a curriculum designed to replace a college level general chemistry course. The content and exam are established by the College Board and include such topics as the Structure of Matter, Reactions, and Descriptive Chemistry. The laboratory experience will also be college level. Students in AP Chemistry should plan on spending at least one hour per evening. This time should be spent reading the textbook, doing homework, studying for tests, reading experiment procedures to be performed, writing laboratory reports, and revisiting the day's lesson, as students would in college. The purpose of the AP course is to prepare students for the AP exam in May. The cost for the AP exam is approximately $94. Due to the difficult nature of this course, a minimum grade of 85 on the Chemistry Regents exam, or permission of the instructor is required.

AP Environmental Science 3720

REQUIRES AP CONTRACT AND COMPLETION OF SUMMER WORK

AP environmental science is an interdisciplinary course that combines elements of biology (especially ecology), chemistry, the earth sciences, political science, sociology, demography (human population), agriculture, forestry, energy production and use, and a number of topics that are often missed in other high school classes. Special emphasis is placed on local watershed issues; field trips include water testing and participating in research symposia with students from around the state. The purpose of the AP course is to prepare students for the AP exam in May. The cost for the AP exam is approximately $94.

AP Physics C 3730

REQUIRES AP CONTRACT AND COMPLETION OF SUMMER WORK

The AP Physics C (Mechanics only) Course: This Advanced Placement course has a syllabus designed by the College Board. It is equivalent to a calculus-based university level physics course usually covered in 1 semester. We will develop a basic understanding of physical laws and learn how to apply mathematical equations to natural phenomena. Introductory differential and integral calculus is used throughout the course. AP Calculus is a co-requisite. Regents Physics OR teacher approval are prerequisites for this course. The purpose of the AP course is to prepare students for the AP exam in May. The cost for the AP exam is approximately $94.

Social Studies

Film Making I 6140 (0.5 credit)

Students in the intro to filmmaking class learn the basics of writing, directing, editing, sound recording and lighting so as to be able to make short films. This is the pre-requisite class for subsequent film classes. (Each of the filmmaking classes run concurrently. There will be intro, animation, documentary, and narrative students in class together).

Film Making II 6145 (0.5 credit)

This class picks up where the intro class left off and teaches aspects of animation, documentary and lobger narrative film. Intro is a prerequisite. (Each of the filmmaking classes run concurrently. There will be intro, animation, documentary, and narrative students in class together).

Philosophy 2516

The Philosophy course is designed as an introduction to the philosophical reflection and examination of some the central questions of human existence from the Western perspective. Throughout the course students will consider: 1 - Epistemological questions concerning the possibility and nature of knowledge and truth; 2 - Metaphysical questions concerning the nature of ultimate reality, the mind-body problem, consciousness, free will and determinism, personal identify, the existence of God, and death; 3 - Ethical questions concerning morality and the good life. Philosophy is largely discussion-based and will place emphasis on the careful reading of primary sources, critical and systematic thinking, and the verbal and written expression of ideas.

Adv Philosophy 2526 (0.5 credit)

PREREQUISITE: Philosophy

Advanced Philosophy is a continuation of the philosophical reflection and examination of some of the central questions of human existence introduced in Philosophy. The overarching goal is to continue to introduce philosophers, arguments, concepts, schools of thought, etc. that students can analyze with the assitance and guidance of an instructor. Contrary to the introductory course, Advanced Philosophy will involve the study of philosophers, representative texts and argumnets, and concepts from AROUND THE WORLD. Advanced Philosophy is largely discussion-based and will place an emphasis on the careful reading of texts, critical and systematic thinking, and the verbal and written expression of ideas.

Cultural Anthropology 2517 (0.5 credit)
Cultural anthropologists have estimate that there are more than 5,000 different cultures in the world today that speak mutually unintelligible languages. With such enormous linguistic and cultural variability in the world, it is impossible to become conversant with the details of all of these different cultures. Thus, by necessity, the study of cultural anthropology at the introductory level needs to take a more conceptual approach. During this course students will use their prior knowledge, personal experiences, firsthand observations, exposure to unique cultures via teacher guidance, and writings made by anthropologist to wrestle with the following question: What do human societies and cultures have in common, how do they differ, and why? Units of study include anthropology and the concept of culture, language, and communication, gender roles, kinship, marriage, religion, magic and rites of passage, and social stratification. Cultures presented in detail include the Kaluli of Papua New Guinea, the Changpa of northern India and Tibet, and the Azande of South Sudan.

Adv. Cultural Anthropology 2527 (0.5 credit)
PREREQUISITE: Cultural Anthropology
Advanced Cultural Anthropology is designed as a more in-depth examination of the concepts and questions introduced in Cultural Anthropology. This course will focus on agents of cultural change in the 21st century, most notably globalization in all of its forms and climate change. Cultures presented in detail include the Ojibwa, the Roma, the Basseri, and the Sami.

Film History 2510
The Film History elective spends the first half of the year examining film from the late 1800s until 1945. We will look at early American and French cinema, German expressionist film, Soviet montage cinema and other genres, national cinemas and important topics. The second semester will focus more on post-war Nationalist cinema and genre studies. This course is offered alternating years with Cinema Studies.

Human Rights 2519 (0.5 credit)
This semester-long course will examine the philosophical and political basis for the international human rights movement. Students will gain and awareness of human right issues presently affecting the United States and the world, and create potential solutions to address them. This course requires students to not only have a working knowledge of human rights and violations, but to also be creative in problem solving to address these issues. Students will also be expected to participate in seminars and debates. The first quarter will end in students creating a project to raise awareness and offer solutions for a chosen human rights issue. The second half of the class will invite students to examine specific period/events in history where humanity allowed the worst within us and among us to shine. For the final exam, students will complete a research paper examining continuities and changes over time of a country's human rights record.

AP Human Geography 2750
REQUIRES AP CONTRACT AND COMPLETION OF SUMMER WORK The purpose of the Advance Placement course in Human Geography is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. The purpose of the AP course is to prepare students for the AP exam in May. The cost for the AP exam is approximately $94.

Technology

Creativity & Innovation 6727 (0.5 credit)
Creativity and innovations is a one semester high school technology education course. The course uses a hands-on approach to solving real world problems. Everything from sanding wood to 3-d printing will be covered. Anyone interesting in working with their hands and building objects will benefit from this course. If you are interested in engineering this course is a must. You will learn the basics of 3-d modeling using solid works a high end software.

CADD 6720 (0.5 credit)
Computer aided design and drafting is a high school course designed to introduce CAD through the use of CADKEY & Solid Works. The course will focus on engineering drawings as well as new computer modeling techniques. Students will learn how to use computers to do drafting, instead of traditional methods. Topics to be covered include basic solid pictorial drawings, modeling, 2D and 3D modeling, dimensioning, assembly drawings and Pattern files. This course is an absolute must for any student thinking about a degree in the engineering field.