

ELECTIVE OFFERINGS 2018-2019

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 through 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 of 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 equipment 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/BCA 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. BCA 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 increasingly 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 want, 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 entrepreneur.

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.

The Short Story 1506 (0.5 credit)

This class is for anyone who is interested in bringing imagination to life. This class will focus on the craft of the short story and exercised will help students to develop a short story through creating characters setting scenes, developing tone, and selective a point of view. Readings include selections from master storytellers around the world, including pieces from contemporary authors. A writer reads with a different eye. In this class we will be reading stories with a focus on narrative technique to understand ways in which different writers approach the genre so that participants begin to develop their personal process and voice.

Dialogue & Debate 1507 (0.5 credit)

Dialog and Debate is an elective designed to develop students' cultural literacy and communication skills. This class is designed to make students more confident speakers and thinkers. Students will discuss current events, watch and listen to speeches and debates, and participate in Socratic seminars. This class will develop students' public speaking skills as well as their presentation skills including the organization of information and effective use of materials as applied in various forms of persuasive speaking.

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.

Music

Foundations in Music 6560

Foundation of Music is a course that is split between two semesters. The first semester covers music theory and the second semester focuses on the study of music history in western civilization. In the first semester of this course, students learn about different types of clefs, note and rest values, rhythm patterns, key signatures, various types of scales, and choral harmonies. Students learn to dictate rhythms, melodies, and compose an original composition. In the second semester of the school year, students study all of the major historical time periods in music history (Medieval, Renaissance, Baroque, Classical, Romantic and 20th Century) along with important composers of the past.

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.

Beginning Strings 6572 (0.5 credit)

Sign up for Beginning Stringed Instruments and harness your skills on the violin, viola, cello, or bass. Anyone is welcome to take this class! Whether you're in Orchestra or Band already, used to play an instrument, or have never played an instrument, Beginning Strings is the place to start. Students will be given the opportunity to select which instruments they'd like to learn. We will begin by reviewing the clef necessary for the instrument that you've chosen to learn. Then, we will start right from the very beginning with how to hold your instrument. Students will be allowed to learn at their own pace for this class. Instruments and method book will be provided. Home practice is necessary for this elective. This course is a must for future music majors!

Beginning Band 6573 (0.5 credit)

Beginning Band is open to all students experiences or non-experienced. Students who are currently participating in a performing ensemble, or not, can use this course as a way to pick up a new instrument of their choice and learn the fundamentals and performance skills necessary for this instrument. We will start at the very beginning stages of learning an instrument: reading music, holding the instrument, posture, hand position, and proper note fingerings. Students will receive individual guidance on their chosen instrument, but will also work together with classmates in an ensemble setting. Students will work at their own pace for this class, and instruments and method books will be provided. Home practice is necessary for this elective and students will need to spend time reinforcing class work on their instruments. This course is a must for future music majors!

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 of 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 Ontario 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.

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 longer 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 (0.5 credit)

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 identity, 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. In addition to class discussion, instructional methods and activities utilized throughout the course will include brief lectures and PowerPoint presentations, thought experiments, and the critical viewing of philosophical films.

Adv Philosophy 2526 (0.5 credit)

PREREQUISITE: Philosophy

Advanced Philosophy is designed as a more in-depth examination of the concepts and questions introduced in Introduction to Philosophy. In addition, several of the concepts and questions addressed will also be considered from other cultural perspectives, focusing on East and Southwest Asia.

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 Psychology 2740

REQUIRES AP CONTRACT AND COMPLETION OF SUMMER WORK AP Psychology is a full-year, college-level class designed for the highly motivated student. Psychological data, phenomena, and theories will be closely examined along with all of the major subfields within psychology. The objectives and topics will be: psychological history and approaches, research methods, biological bases of behavior, sensation and perception, state of consciousness, learning, cognition, motivation, emotion, developmental psychology, personality, testing and individual differences, abnormal behavior, treatment and social psychology. 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.