

Buffalo Academy of Science Charter School

Course Catalog

HIGH SCHOOL CORE ENGLISH COURSES (9-12)

English 9: This course introduces students to the core curriculum of high school English. The goal of the course is to help become successful on the mandated 11th grade Regents Exam (1.0 credit).

English 10: This course will focus on world literature. The goal of this course is to help students prepare for the mandated Regents Exam in 11th grade (1.0 credit).

English 11: This English class will focus on American literature. The goal of the course is to help students become successful on the mandated English Regents Exam. Students will focus on writing, short fiction, the epic, and the novel. Other required readings will supplement and reinforce the New York State Standards (1.0 credits)

English 12: This course is composed of thematic units grounded in the study of British/world literature and individual student writing. The course incorporates literary study skills, writing, inquiry/research, listening, and speaking. (1.0 credit)

AP English-Grade 12: An advanced English 12 class which requires a teacher recommendation. Students will receive college credit when successfully completing this class and the final AP exam. (1.0 Credits)

ENGLISH ELECTIVES

British Literature: Charles Dickens, Emily Dickinson, Shakespeare and other British writers will be examined in detail. The course will focus on these authors contributions to world literature (0.5 credits).

Short Story: Reading and writing short stories. Students will create their own short stories following the models read and carefully analyzed in class of Poe, Kurt Vonnegut and others. Part of this course requirement will be a weekly volunteer hour served at a local library reading a short story to children or we may work in conjunction with a charter school and spend a day reading short stories to their elementary classes (0.5 credits).

Women's Literature: Women's literature with a focus on women's studies. This course will focus on the history of female writers, including women who wrote under the

names of men, and contemporary women who have overcome gender bias (0.5 credits).

Mystery: Genre specific course, including famous writers like Agatha Christie, Sherlock Holmes and other contemporary writers (0.5 credits).

Creative Writing: A course specifically designed to stimulate writers from genres of poetry to short vignettes and longer autobiographies. Best works can be shared at the End of Year Assembly (0.5 credits).

Science Fiction: Genre specific course, including George Orwell, Ray Bradbury, Madeline L'Engle, Terry Brooks, H.G. Wells, and other authors who led the field in envisioning what science has made a reality (0.5 credits).

Drama and Film: Students will explore the genre of drama through both the medium of written script and film. They tend to differ greatly in their portrayal of the same idea. There will be focus on the difference between various director interpretations of dialogue and the basic conventions of form. Students will review films and play and write their own dialogue. Students will also look at the history of the theatre. They will focus on stage sets, stage direction, dialogue, setting plot and theme. The class will also bring books to life and will write their own scripts and plays. They will read various dramas and watch various films. They will also put on a production. If possible the students will go on a tour of the Buffalo Theatre District and see a live performance.

Poetry: A course in the variety of poetry as it has developed throughout the history of the world. From the earliest poems in ancient Sanskrit to modern day Free-Verse, students will study and write their own based on the models provided (0.5 credits).

African American Literature: Genre Specific course focusing on the history of the immigration of slaves and the literature that has evolved from this event. Both historical and socioeconomic course which include a field trip to relevant sites of African American history (0.5 credits).

CORE SOCIAL STUDIES COURSES :

American History Part. I: Seventh grade students will learn about American History from the time period from the Age of Discovery up to and including the Civil War. Major topics include Colonial settlement, Revolutionary War, Constitution, War of 1812, Federalism, and the Civil War and the Reconstruction. Students will also be exposed to critical thinking skills and problem solving techniques that will include Timelines, Primary and Secondary Source Documents, Interpreting Maps, Comparing and Contrasting, Cause and Effect, Interpreting Graphs and Charts, Inferring, Interpreting Political Cartoons, Sequencing, Identifying the Main Idea, and Mapping.

American History Part. II: Eighth grade students will participate in American History from 1877-to the present. Major topics will include Progressivism, Imperialism, World War I, World War II, Civil Rights, and the Cold War. Students will also be exposed to Geography skills and mapping. Problem-Solving and Critical Thinking Skills that include Timelines, Primary and Secondary Source Documents, Sequencing, Inferring, Comparing and Contrasting, Cause and Effect, Interpreting Graphs and Charts, Historical maps and Political Cartoons.

Global Studies I: Ninth grade students will learn world history from the Neolithic Age up to 1300. Major topics included are Development of Civilizations, Geography, Earliest Ancient Civilizations, Ancient Greece, Ancient Rome, Middle Ages Byzantium, Islamic Civilizations, Ancient India and China. Emphasis includes early settlement patterns in Southwest Asia, and Africa. Students will include Sequencing, Timelines, Inferring, Determining Fact from Opinion, Historical Maps, Primary and Secondary Source Documents, Comparing and Contrasting, and Interpreting Graphs, Charts, Political Cartoons, Identifying the Main Idea, and Making Predictions. (1.0 credit)

Global Studies II: Tenth grade students will learn world history from 1500 to the present. Major topics will include Geography, Age of Discovery, Absolutism, Renaissance, Reformation, Scientific Revolution, French Revolution, Industrial Revolution, Imperialism, World War I, World War II, Technology, Nuclear Age, and the Cold

War. An emphasis will include the development of Europe, North America, and Asia and their effects on other third world nations. Major art forms and religions will also be incorporated. Critical Thinking and Problem Solving Skills that include analyzing Historical Documents, Inferring, Comparing and Contrasting, Determining Fact from Opinion, Cause and Effect, Sequencing, Timelines, Interpreting Graphs, Charts, Political Cartoons, Making Predictions, and Identifying the Main Idea will be part of the curriculum. Essays using various sources and documents will enhance students' reading and writing. (1.0 credit)

American History: This eleventh grade course is a comprehensive and comparable analysis of events that impacted the development of our country. Topics to be studied in detail include: Revolutionary War, Constitution, Declaration of Independence, Civil War, Reconstruction, Gilded Age, World War I, Great Depression, World War II, Cold War, and Civil Rights. Students will be expected to be able to analyze American Historical Documents and be able to evaluate the impacts of these documents. The course will also include creative writing that will be incorporated with the English Language Curriculum. (1.0 credit)

Economics and Government: This twelfth grade course emphasizes basic economic concepts and covers six major themes: 1) the nature of economics 2) the different systems of capitalism 3) recession and inflation and the governments response to the business cycle 4) the nature of production and economic growth 5) global economics and 6) the role of the consumer in the economy. (1.0 credit)

AP History-Grade 12: An advanced history course which requires teacher recommendation. Students will receive college credit when successfully completing this class and the AP final. (1.0 Credit)

SOCIAL STUDIES ELECTIVES

Geography: This is an elective course that is strongly suggested for all graduating students as it will be highly relevant to the Global Studies and United States History Regent's Exams. The class consists of 20 weeks that focus on the geographic aspects of social studies. We will study several facets of geography before we focus our studies on the different world regions. The major units of study that we

will be looking at include: The Tools of Geography, Physical Geography, Global and Urban Geography, Economic Geography, and finally Cultural and Regional Geography. The specific New York State Social Studies concepts and themes that this course will cover include: Human and Physical Geography, Interdependence, Movement of People and Goods, Cultural Diffusion, Science and Technology, as well as Urbanization. In completing this course, students will have improved their ability to utilize a map as a tool in the study of Social Studies, along with their own perspective of the world. (0.5 credits)

Model UN-Global Classrooms: Global Classrooms is a unique educational program designed and developed by the United Nations Association of Greater Boston. The program brings the Model UN experience into the classroom through a series of class sessions that teach negotiation, communication, research and conflict resolution skills. This preparation culminates in a Security Council simulation, with students playing the role of country ambassadors working to solve the conflict at hand. The curriculum provides students with an understanding of the UN, and teaches them valuable skills of cooperation and non-violent conflict resolution by bringing the complexities of global issues into the classroom. The program has now been used successfully by public and private high schools and middle schools as well as community colleges and American colleges abroad, reaching to date over 20,000 students. UNA-GB supports the curriculum with professional development seminars and teachers' workshops. The UNA-GB Education Office staff is available to assist teachers in the classroom. (0.5 credit)

Sociology: The study of Sociology includes the interaction, development and relationships with groups of people. Courses topics include important sociologists, cultural diversity and the study of social groups and classes. Students will be exposed to cultural conformity and relationships, education, politics, and economic factors.

(0.5 credit)

Local History: The study of the historical origins of Buffalo, N.Y. and the Western New York area. Students will learn about the major historical monuments and architecture of the city along with its political history. (0.5 credit)

African American History: This course will involve a contemporary look at the history of African-Americans in America since the Civil War. Topics will include slavery, abolition, reconstruction and post-reconstruction. This course will also be a comparative study of historical, cultural and political issues related to the problems and troubles African-Americans faced in the 19th and 20th centuries. (0.5 credit)

CORE MATHEMATICS COURSES

Pre-Algebra: This course is designed for students who have a strong background in the basic skills of mathematics. Fractions, decimals, and percents are concepts that will be reinforced throughout the curriculum. Emphasis for the course will be placed on geometry, properties of basic algebra, data analysis and probability, graphing, problem solving, and measurements. All objectives taught are aligned with the state standards. (1.0 credit)

Integrated Algebra: The course will introduce the concept of variables, constants, expressions and equations. Topics covered are: solving equations, simplifying expressions, understanding order of operations, using properties (field axioms), arithmetic operations with positive and negative numbers, polynomials, factoring, graphing (linear and quadratic equations), working with radicals and expanding arithmetic knowledge. The text is Algebra 1, McDougal Littell. (1.0 credit)

Geometry: This tenth grade course is the second in a two-year track leading to the New York State Math A Regents Examination. The primary focus of the course will be geometry including angles, circles, polygons, quadrilaterals, and solids. Additional topics covered include quadratic applications, advanced algebraic fractions, coordinate geometry (midpoint, slope, and distance formulas), mathematical systems, locus, and constructions. A cumulative review strategy of all Math 9 topics is strongly emphasized throughout the year to foster mastery of the material. The text is McDougal Littell. (0.5 credit)

Algebra II: The objective of this course is to complete a study of Algebra II topics. These include, but are not limited to, the structure of the real number system with an extension into the complex number system, a careful study of mathematical functions (constant, linear, quadratic, rational, logarithmic, exponential), a

reinforcement of the connection between algebra and geometry (conics and intersections of functions and conics), sequences and series, right triangle trigonometry, and permutations, combinations and probability. The text is Algebra II, McDougal Littell. (1.0 credit)

Pre-Calculus: The purpose of this course is to prepare the student for the study of calculus. Pre-calculus combines the many trigonometric, geometric, and algebraic techniques needed for the preparation of the study of Calculus. The course is designed to strengthen the conceptual understanding and mathematical reasoning needed when solving problems. The emphasizes the use of a graphing calculator as a toll to interpret results as well as method of obtaining an answer. Topics include: Real numbers, Subsets of the real numbers, Sequences and series, Limits, Functions, Graphs, Problem solving, Transcendental functions, Vectors, and Analytic geometry. This course requires teacher recommendation. (1.0 credit)

MATHEMATICS ELECTIVES

Business Mathematics: The purpose of this course is to explore real world concepts of business math by extensive use of applications in banking, hotel/motel industry, retail. Real estate and others. It will guide students through the basic mathematical skills of whole numbers and decimals, fractions, percentages, statistics, and equations. These skills will then be applied to business situations such as payroll, discounts, markup/markdown, interest, credit, and more. (0.5 credits)

COMPUTER SCIENCE COURSES

Topics in Computer Science: This course is recommended for all students. This course reviews the basic elements of word processing, spreadsheet, database, and presentation software and develops the student's skill in working with the generally used features of these computer software applications to produce more effective documents, spreadsheets, reports, and presentations. All assignments involve hands-on computer use and development of problem solving skills. MS Office (0.5 credit)

Keyboarding: This introductory course covers the development of basic keyboarding/typing skills and the mastery of fundamental word processing applications such as

personal and business letters, memos and emails. (0.5 credits)

Introduction to Computer Applications: This course introduces students to the “hands-on” production of documents, spreadsheets, presentations and database reports using an integrated software productivity package (currently Microsoft Office 2000) to acquire basic software application skills required for success at the high school level. Additional software covered includes web browsers and email applications.

(0.5 credit)

Integrated Computer Applications: This course covers advanced features of word processing, spreadsheet, presentation and database software and the project-based integration of those features within documents and presentations. MS Office (0.5 credit)

Multimedia Design and Development: This course will cover computer software used to produce audio and video in multimedia computer-based presentations, building upon the basic features of multimedia software and hardware necessary to produce animation and graphics covered in Course 808. Students will be introduced to the use of the video-camcorder and digital camera and will apply all the various skills mastered in this course in final integrated project. This course is only offered in the second semester. (0.5 credit)

Web Page Development: This course presents an overview of the Internet, World Wide Web, and hypertext documents and introduces the student to the web page design and development using web page design software as well as limited Hypertext Markup Language (HTML). The student will learn how to use correct file and folder structure, text formatting and alignment, heading tags, anchors, links to and from additional pages and sites, backgrounds, graphics and image maps, tables, forms, layers, frames, styles and style sheets in creating both assigned practice and independently designed websites. MS FrontPage. (0.5 credits)

Financial Decision Making: This course will examine and research many of the areas in which individuals are called upon to make financial decisions: Banks, budgeting, spending, record keeping, taxes, credit, loans, mortgages, investments, housing choices, insurance, retirement, planning and other consumer choices. Students

will gather data and design basic computer evaluation tools using Microsoft Office software. Internet research will be used as a major source of information, and students will develop, techniques to properly evaluate the validity of data found on the Internet. Students will also access various financial tools available on the Internet. Government and industry publications will serve as text materials. Activities will consist of individual and group projects and classroom discussions and presentations. (0.5 credits)

Desktop Publishing Grades: This semester long course will use Adobe PageMaker software to cover fundamental desktop publishing concepts, features and design techniques, integrating text from many sources to produce with precision professional-quality publications including letterheads, ads, newsletters, brochures, color catalogs, magazines, and Web pages. Lessons are project-based and permit a high degree of self-paced learning within the structure of course requirements. Successful students will be especially well prepared to produce student publications such as the newspaper and yearbook. (0.5 credit)

Programming: Students interested in advance study of computer science (programming/AP Computers Science) should enroll in this course. Structured programming, using VB, will be introduced in this course. Hands-on computer usage will be stressed, along with the development of problem solving skills using computer designed student programs. Basic computer and keyboard familiarity is assumed. This course provides the necessary background material for Advanced Placement Computer Science.(.5 credits)

CORE SCIENCE COURSES

Life Science: This course is designed to prepare the student for the Life Science portion of the state science assessment. Topics include: ecology, genetics, human body systems, evolutions, cell biology, reproduction and development. (1.0 credit)

Physical Science : This course is designed to prepare the student for the Physical Science portion of the state science assessment. During this course the students will study topics from the physical sciences of chemistry, physics and earth science. (1.0 credit)

Earth Science: This is a regents level science course which will investigate a number of topics in the earth sciences. Specific topics include: astronomy, meteorology, plate tectonics, rocks and minerals, and measuring the earth's surface. This course includes a mandatory laboratory component that will meet separately from the regular class. (1.0 credit)

Living Environment (Biology): This course is a Regents level science course which will investigate a number of topics in the science of biology. Specific topics include: ecology, genetics, human body systems, evolution, cell biology, reproduction and development. This course will also include a mandatory lab component that meets separately from the regular class. (1.0 credit)

Chemistry Regents: Chemistry is a course that explains basic chemical principles involving the study of matter, chemical equilibrium, acids and bases, oxidation-reduction reactions, kinetics and thermodynamics and organic biochemistry. (1.0 credit)

Physical Setting/ Regents Physics: This is a core-based course. A minimum of 1200 minutes of hands-on laboratory experiences with satisfactory lab reports are required above and beyond the five periods per week of classroom instructional seat time. In addition to Standards 1, 2, 6 & 7, the course is expected to prepare students to understand and apply scientific concepts, principles and theories pertaining to the physical setting and recognize the historical development of ideas in science. The topics of mechanics, energy, electricity/magnetism, waves and modern physics are addressed in two key ideas: the forms and conservation of energy; the interaction of energy and matter. Prerequisite: Chemistry (1.0 credit)

SCIENCE COURSE ELECTIVES

Forensic Science: This course focuses on problem solving, with an emphasis on writing, using experimentation, theorization, research forensic methodologies, synthesized information and evidence-based conclusion. Students will write reports that record their results, conclusions and analyses of case studies and investigations. Prerequisite: successful regents passing of 2 sciences. (0.5 credits)

Environmental Science: This course is designed to provide students with scientific principles, concepts, and methodologies necessary to comprehend the relationships

abundant within the natural world, to identify and analyze environmental problems, to evaluate relative risks associated with these identified problems, and to examine alternative solutions for resolving and/or preventing similar problems facing the global environment. (0.5 credits)

Astronomy: An introductory course to astronomy that stresses the changing ideas of the universe and humanity's place in it. It provides a clear example of the growth and use of THEORY in science. The first term of the course deals with the history of our knowledge of the solar system-Sun, Moon, Earth, and the other planets-from the earliest watchers and simple fables to the magnificent success of Newton's gravitational theory. The second term is an introduction to the stellar astronomy: nature of light and matter, characteristics of stars, birth, evolution and death of stars, neutron stars, black holes, galaxies, the Big Bang, and cosmology and the principles of Einstein's theory of relativity. (0.5 credits)

Meteorology: An introductory course in meteorology. The course will cover the nature and causes of wind, clouds and precipitation, storm systems and fronts, thunderstorms, tornados and hurricanes, weather maps and forecasting. (0.5 credits)

Oceanography: Our earth is unique in its possession of water masses. They are what give our planet its distinct look, and they are where life began. This course provides an introduction to the historical, physical, chemical, geological, and biological aspects of our water basins and their importance to the global system. The physical and living components of our "water planet" will be studied including a survey of freshwater/marine fauna and flora and mankind's affects on and uses of the water's resources. Research projects, laboratory investigations, including dissections, and possible outdoor activities will augment classroom lecture. Live collected specimens will be maintained in classroom aquaria and used as model environments as well as preserved organisms. (0.5 credits)

Anatomy and Physiology: This course is designed to develop a comprehensive understanding of the close interrelationship between anatomy and physiology as seen in the human organism. It begins by introducing the student to fundamental concepts, basic biochemistry, and the cell as the basic structural and functional

unit of all organisms. The course also covers all the major body systems. Prerequisites for this course include having to have successfully passed Living Environment with at least an 80 average. Students must be in good academic standing. (0.5 credits)

Bioinformatics: This course is designed to expose students to the up and coming field of Bioinformatics. Bioinformatics is a combination of genetics and database analysis. It will focus on information developed as a result of the Human Genome Project and the computer application of databases such as BLAST, CLUSTAL, GeneFinder, NCBI, etc... This course was developed by a Buffalo Academy of Science Charter School science teacher in association with the University at Buffalo. (0.5 credits)

LANGUAGES OTHER THAN ENGLISH (LOTE) COURSES

Spanish I: First year course introducing students to basic vocabulary and grammar. The course will focus on listening to basic questions and conversations, speaking, writing, and reading short letters, messages, and advertisements. The teaching of vocabulary will be provided in isolation and in context. Culture is also mixed within the lessons. The curriculum includes basic grammar and the present tense. Two of the four situations necessary for the state exam, providing and obtaining information and socializing, will also be covered.

Spanish II: This course builds upon and expands the first year adding more in depth vocabulary and grammatical concepts. The focus remains on the four skills of listening, speaking, reading, and writing. The two situations of persuasion and expressing one's opinion are added to providing and obtaining information and socializing for complete coverage of the state exam requirements. Culture will be covered within the lessons as it arises. Some topics covered include the simple future, the preterit, and present progressive tenses as well as object pronouns. (1.0 credit)

Spanish III: This is the final course leading to the New York State Regents Exam. It builds upon and expands on the first two years/levels of Spanish. The curriculum covers the imperfect and subjunctive tenses and more extensive grammatical concepts.

Listening, speaking, reading, and writing will be required for this course. (1.0 credit)

Spanish IV: This course develops Spanish listening, speaking, reading and writing skills. Emphasizes ability to use and understand Spanish in context. Strategies may include lecture/discussion, group and individual work, oral exercises, video, reading and writing assignments. This course requires laboratory-supported practice. Students hold basic conversations, read simple passages, and write brief dialogues and paragraphs at the novice level. This is the first in a sequence of college level language courses. It will begin to satisfy the mandatory college foreign language requirement. (3.0 college credits)

Spanish V: This course strengthens Spanish listening, speaking, reading and writing skills acquired in Elementary Spanish 4. It emphasizes the ability to use and understand Spanish in context through group and individual work, oral exercises, presentations, reading and writing assignments. It requires laboratory-supported practice. Instruction occurs in Spanish with clarification in English. Students express themselves orally, read authentic materials, understand oral input, and write compositions at the high-novice level. (3.0 credits)

Arabic : This course is designed to give you strong foundation at the elementary level in reading, writing speaking and listening to Modern Standard Arabic. There will be an emphasis on vocabulary learning, the alphabet, the ability to use the language to accomplish basic communicative tasks, and learning and developing strategies for successful second language learning. Authentic materials are used throughout the course.

American Sign Language: Introduces the fundamentals of a American Sign Language (ASL) used by the deaf community, including basic vocabulary, syntax, finger spelling, and grammatical non-manual signals. Focuses on basic communicative competence. Develops gesture skills as a foundation for ASL enhancement. Introduces cultural knowledge and increases understanding of the deaf community.

(0.5 credit)

German: Develops listening, speaking, reading, and writing skills in a communicative

context; for beginners. (0.5 credit)

Italian: Involves work on basic structure and vocabulary emphasizing the language as spoken and heard, and developing skills of reading and writing. (0.5 credit)

Chinese: Develops necessary language skills for both business and travel. Little or no knowledge of the Chinese language required. Basics about Chinese culture and business etiquettes are also integrated in the course. (0.5 credits)

Turkish: Introduction to modern Turkish. Pronunciation and conversation, grammar and composition, and graded readings. (0.5 credit)

French: Language as heard and spoken; development of listening, speaking, reading, and writing. (0.5 credit)

Latin: Introduces Latin as an ancient language. We will be reading of simple texts by various Roman authors. Furthermore, the course deals with Roman culture and civilization, and with the influence of Latin in English vocabulary. (.0.5 credit)

HEALTH ELECTIVES

Personal Fitness and Nutrition: Personal fitness and nutrition encompasses fitness, nutritional health, and general wellness principles. Students will complete an assessment measuring aerobic fitness, strength, flexibility, and nutrition. With the supervision of an instructor, students will develop and participate in an exercise plan tailored to their individual needs. (0.5 credit)

First Aid and CPR: First Aid and CPR is a course in which the techniques of Cardiopulmonary Resuscitation (CPR), first aid, and safety are presented. In addition to these treatments methods of management and treatment of emergency illness and injuries will also be taught. (0.5 credit)

ARTS COURSES

Music Appreciation: This class is a full of fresh and age appropriate musical selections to inspire, to celebrate to teach, and to fit all purposes and seasons. The text being used, *Spotlight on Music*, helps students explore all aspects of music. We learn to appreciate music from other cultures and times, reading musical notation, performing music and even creating our own music. The models, recordings and

listening maps will help students identify, describe, and evaluate the music. This class provides flexible structure, content, repertoire, technology, learning and assessments which will make this class one of the most enjoyable and informative classes our students will ever participate in. (0.5 credits)

Music In Our Own Lives: In this course the students will study as it relates to life. We will focus on the reasons why music is effective in making people purchase certain things and live a certain way. We will also discuss music history and the history of music in America. This class will be a montage of topics based on current events and topics that the students want to learn more about. We will also discuss and use the technology to see how music is being created now as well as create our own music. (0.5 credits)

Guitar: Students will learn basic chords and melody in order to perform specific classical, folk, and popular songs. No prior technique is required. (0.5 credits)

Chorus: Chorus is designed to encourage all students who have an interest in developing their skills in group singing. Musical compositions are also studied. (0.5 Credit)

Art I: In this foundational course students will focus on the Elements of Art and how they are applied in art-making. Students will explore a variety of art materials and techniques with an emphasis on Colored Pencil application. Students will look at the early history of art focusing on Prehistoric, Greek, Roman and Renaissance art. Art criticism and the evaluation of art from other periods and cultures will be examined to gain further understanding of different reasons and methods for creating art.

Art II: This course is designed to reinforce and build upon the curriculum of Art I. Students will focus on how the Principles of Design in addition to the Elements of Art are applied in art-making. Space and form and how it is applied in 3-dimensional art along with Watercolor application will be emphasized. Students will look at the history of art focusing on 19th and 20th century artists including Picasso, Cezanne, Pollack and Calder. Art criticism and the evaluation of art from other periods and cultures will continue to be examined to gain further understanding and appreciation for different reasons and methods for creating art.

Drawing and Painting: In this half year elective, students will work in pencil, pen and ink, charcoal, acrylics, watercolors and other media, while developing their observational and critical thinking skills important to art-making. An emphasis will be placed on learning how to employ the elements of art (line, form, value, shape, and texture) in their creations as well as on composition and brush stroke techniques. (0.5 credits)

Pottery: This course will teach students hand-building techniques, as well as slip molding, to create works in clay. Emphasis will be placed on learning how to throw on the potters wheel. (0.5 credits)

Studio in Art: This course is designed to give students a basic understanding and appreciation for art and provide them with the background necessary to appreciate, participate in, or seek further training for a career in the visual arts. It is designed to meet the needs of students of all artistic ability levels and provide them with an introduction to the fundamental principles of design. Projects, lectures, readings, class discussions and critiques examine elements of two-dimensional, three-dimensional, and time-based design. Historic and contemporary approaches are considered as well as the evolution of technology and the continuum of visual expression. Emphasis is placed on developing the practical and critical thinking skills required in art-making. (0.5 credit)

Internships: Internships is a senior exclusive opportunity to work in various occupations throughout the Buffalo area. Students will receive six credits per semester (with a maximum of 12 credits per year) in this class along with a grade. Students will attend class once a week and will use the other days working at their internship sites. In order to get into this class students must have an average of at least an 80. While in this class students must maintain an average of 80 or higher and have no disciplinary actions against them (this will include suspensions, conduct referrals, and behavior outside of school that is unbecoming of BASCS students). A list of internship sites and paperwork will be mailed to the students enrolled in this class. All paperwork must be turned in by the end of August (exact dates TBA).