



COURSE CATALOG



Classical/Charlotte Mason Tapestry

The curriculum offered at Sterling Classical School takes a student on an amazing journey where exploration and hands-on experiences create an insatiable appetite to learn and grow. While the classical rotation of academia starts in First Grade, Kindergarten student delve into the essence of Charlotte Mason with thematic units in history and science that take them directly into the incredible world God created through experiments, projects, artistic renderings and field trips. The course selections offered highlight the depth of a classical education which goes beyond classical literature and into the classical or ancient ways of educating a child based on a three-part process of subject matter, introduction and mastery. The unique ability to weave in the philosophy of Charlotte Mason, who promotes “doing is learning,” produces a beautiful tapestry of education where a life-long learner is created.



Our Vision

To provide Austin with an advanced-academic-format school that integrates the use of Charlotte Mason inspired classical curriculum and approach to learning which involves the parent as an active teaching partner. Sterling Classical School's vision is to utilize the vehicle of an advanced-academic-format schedule to promote scholastic excellence, foundational character development, strategic parental support and the gift of time for families to grow closer to God and each other.

Our Mission

To sojourn with parents in the building of future generations with a Biblical, classical education which results in passionate seekers of wisdom and knowledge, through Christ, who seek to bring honor and glory to God.

Grammar School

Kindergarten

History (HIS000)

In this course, history and science topics are covered through thematic units. Each theme is introduced through rich “living books” and explored interactively using the Charlotte Mason philosophy. Topics covered include insects, apples, space, animals, ocean, weather, Texas, magnets, pilgrims, Native Americans, Thanksgiving, and many more. Sterling exceeds the TEKS (Texas Essential Knowledge and Skills) for kindergarten history and science.

Language Arts (LAN000)

Kinder language arts will focus on teaching the phonograms and their sounds. Students will learn to identify and write dictated phonograms, and then use that knowledge to decode words. Many activities that address all learning styles will be utilized to promote phonemic awareness. Students are introduced to a varied repertoire of classical literature through read-a-louds.

K-4 Latin (Required) (LAT1234)

At Sterling, every student is required to take Latin in K-4th grade. Student will recite specific Latin greetings and follow a selection of Latin commands; recite Latin numbers 1-20; recite Latin numbers (by tens) from 1-100; recite the Latin names for classroom items; recognize and recite the Latin accusative form for 20 animals; recognize and recite the Latin plural form of 20 animals; recognize and recite the Latin plural form for selected body parts; read and discuss Latin picture book stories; sing songs in Latin; recite 1st conjugation verb paradigm and personal verb endings; recite 1st declension, 2nd declension, and 2nd declension neuter noun endings; and examine maps of the ancient Mediterranean and identify Italy and Rome on the map.

Mathematics (MAT000)

Kindergarteners will explore mathematical concepts using manipulatives and interactive learning centers. They will be able to recognize, count, and write numbers 1-100. Students will understand concepts such as larger, smaller, before, and after in numbers 1-100. Skills such as counting by 2’s, 5’s, and 10’s to 100, as well as identifying time to the hour and half hour will be mastered. This course will also cover the value of coins and dollar bills, addition facts through 10, one-step story problems, and beginning subtraction.

Kinder Music/P.E. (Required) (KSAM000)

This elective was designed to provide kinder students with a well-rounded education through exposure to music and physical education. During the music elective, students will explore rhythm and movement in the context of songs and games while using rhythm sticks and musical instruments. The P.E. elective provides an opportunity for students to work together during team building activities while developing strength, stamina, and endurance.

Science (SCI000)

In this course, history and science topics are covered through thematic units. Each theme is introduced through rich “living books” and explored interactively using the Charlotte Mason philosophy. Topics covered include insects, apples, space, animals, ocean, weather, Texas, magnets, pilgrims, Native Americans, Thanksgiving, and many more. Sterling exceeds the TEKS (Texas Essential Knowledge and Skills) for kindergarten history and science.

First Grade

History (HIS100)

First grade history begins with creation and explores the ancient civilizations including Israel, Egypt, Greece, and Rome. These time periods are brought to life through interactive projects, art, and amazing literature.

Language Arts (LAN100)

First grade language arts continue to build on the student's knowledge of phonograms by introducing consonant and vowel teams. These skills are used to develop increased reading fluency and spelling skills. In grammar, students will learn parts of speech as well as increase their knowledge of the conventions of writing. First graders enjoy many of the classic readers including *Frog and Toad, Little Bear, and Henry and Mudge.*

K-4 Latin (Required) (LAT1234)

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Mathematics (MAT100)

In this course, students learn number recognition, counting and writing 1-1,000; counting and writing by tens, fives, twos, and threes; number sequences; ordinal numbers; addition facts through 13 and three-digit addition with carrying; subtraction facts through 13 and two-digit subtraction; counting and combining coins; telling time to the nearest five minutes; recognizing odd and even numbers; English and metric measures; place value in ones, tens, and hundreds; unit fractions; reading a thermometer; concept of multiplication; and reading pictographs and bar graphs.

Science (SCI100)

In this course, the focus is on life science. Students explore the human body and the unique way God created us, animal classification and habitats, plants, trees, and root systems. "Living Books," hands-on activities, and arts and crafts bring this subject to life.

Second Grade

History (HIS200)

Second grade history begins with the fall of the Roman Empire and explores the Medieval and Renaissance periods in history. Students become enchanted with this era through historical literature, hands-on experiences such as a Medieval Feast, and art projects.

Language Arts (LAN200)

Second grade language arts expand upon their knowledge of phonograms by learning prefixes and suffixes. Students add to the spelling rules they have previously learned and apply these new skills in their spelling, reading, and writing. They learn to write descriptive sentences and transition into writing paragraphs, as they explore characters, plot, and setting within the context of quality literature.

K-4 Latin (Required) (LAT1234)

At Sterling, every student is required to take Latin in K-4th grade. Student will recite specific Latin greetings and follow a selection of Latin commands; recite Latin numbers 1-20; recite Latin numbers (by tens) from 1-100; recite the Latin names for classroom items; recognize and recite the Latin accusative form for 20 animals; recognize and recite the Latin plural form of 20 animals; recognize and recite the Latin plural form for selected body parts; read and discuss Latin picture book stories; sing songs in Latin; recite 1st conjugation verb paradigm and personal verb endings; recite 1st declension, 2nd declension, and 2nd declension neuter noun endings; and examine maps of the ancient Mediterranean and identify Italy and Rome on the map.

Mathematics (MAT200)

This course teaches number recognition, counting, and writing 1-10,000; counting and writing to hundred thousands; ordinal numbers; addition facts through 18, column addition, four-digit addition with carrying; subtraction facts through 18, four-digit subtraction with borrowing; multiplication facts 0- 5; division facts 1-5; estimation; rounding; numbers before and after by ones, twos, threes, fours, fives, and tens; counting and combining coins and bills; telling time to the nearest minute; English and metric measures; drawing and measuring lines to one-half inch; place value to thousands; unit fractions; making change; reading a thermometer; and reading pictographs, bar graphs, and line graphs.

Science (SCI200)

The focus of 2ND grade science is on Earth Science. The course of study during this year will include planets, constellations, weather, earthquakes, volcanoes, tornadoes, the water cycle, erosion, fossils, and minerals. Students explore these areas of science through hands-on experiments, projects, and “living books.”

Third Grade

History (HIS300)

This course continues on its journey through time by learning about the colonial period, the struggle for independence, westward expansion, and other historical world events that encompass this time frame through 1850. Third grade also studies Texas history, including major battles, historical figures, geography, and contributions.

Language Arts (LAN300)

This course continues to refine spelling skills through phonics based instruction and memorization of spelling rules. Writing skills progress, as students write in expository, persuasive, narrative, and descriptive styles during the stages of the writing process. They learn to make inferences and draw conclusions while reading their novels and participating in class discussions and projects. Previous grammar skills are reviewed and more complex skills are introduced and practiced through narration and copy work.

K-4 Latin (Required) (LAT1234)

At Sterling, every student is required to take Latin in K-4th grade. Student will recite specific Latin greetings and follow a selection of Latin commands; recite Latin numbers 1-20; recite Latin numbers (by tens) from 1-100; recite the Latin names for classroom items; recognize and recite the Latin accusative form for 20 animals; recognize and recite the Latin plural form of 20 animals; recognize and recite the Latin plural form for selected body parts; read and discuss Latin picture book stories; sing songs in Latin; recite 1st conjugation verb paradigm and personal verb endings; recite 1st declension, 2nd declension, and 2nd declension neuter noun endings; and examine maps of the ancient Mediterranean and identify Italy and Rome on the map.

Mathematics (MAT300)

Third grade math covers telling time; recognition of the place value of numbers; addition facts and checking addition problems with carrying; subtraction facts and checking subtraction facts with borrowing; division tables 1-12; using a ruler; solving story problems with up to four steps; recognizing and solving number sentences; converting measures and solving measurement equations; recognizing and working with greater than and less than signs; counting money and solving money problems using the decimal point correctly; solving problems with parentheses; fraction terminology; averaging numbers; reading a thermometer; recognizing geometric shapes; and finding the unknown number in an equation.

Science (SCI300)

In third grade, students study elementary chemistry by experimenting with the way atoms and molecules react with one another to form different substances. Students learn the basic terms, are introduced to the periodic table, and learn to record observations and results.

Fourth Grade

History (HIS400)

In fourth grade history, students explore the Civil War, Reconstruction, the World Wars, and the advancements we have made in space travel and other areas of technology. This time period is brought to life through literature from this time period, reenactments, timelines, and art activities.

Language Arts (LAN400)

Fourth grade language arts covers spelling through continued reinforcement of phonograms and spelling rules, grammar, writing, and literature. Students work to refine their writing style and expand upon previous composition skills that were introduced. Literature is used as a springboard for analysis and discussion of literary techniques.

K-4 Latin (Required) (LAT1234)

At Sterling, every student is required to take Latin in K-4th grade. Student will recite specific Latin greetings and follow a selection of Latin commands; recite Latin numbers 1-20; recite Latin numbers (by tens) from 1-100; recite the Latin names for classroom items; recognize and recite the Latin accusative form for 20 animals; recognize and recite the Latin plural form of 20 animals; recognize and recite the Latin plural form for selected body parts; read and discuss Latin picture book stories; sing songs in Latin; recite 1st conjugation verb paradigm and personal verb endings; recite 1st declension, 2nd declension, and 2nd declension neuter noun endings; and examine maps of the ancient Mediterranean and identify Italy and Rome on the map.

Mathematics (MAT400)

This course teaches place value of whole numbers and decimals; mastery of fundamental operations; estimating answers; English and metric measures; converting measures within the same system and solving measurement equations; roman numerals; addition, subtraction, and multiplication involving fractions; averaging; factoring; divisibility measures; introduction to decimals; making change; reading a thermometer; solving equations using addition and subtraction axioms; graphs and scale drawing; basic geometric shapes; perimeter and area; using an English and metric ruler; and problems with time lapse.

Science (SCI400)

Science 4 is an introduction to physics, which begins with a classroom discussion based on the book, Archimedes and the Door of Science. After laying a solid foundation on the principals of physics, students explore magnetism, gravity, light, sound, motion, and various form of energy through hands-on labs and experiments.

Grammar School Electives

Adventure for Boys/Girls

This elective will consist of outdoor activities, fun-to-do craft projects that will acquaint boys and girls with facts about nature, identify different insects and birds, recognize different kinds of rocks, read a map, tie all kinds of knots, as well as other life skills such a hand stitching and pitching a tent.

Art 1/2

Drawing- students will learn basic drawing and sketching technique and how to use lines and patterns in drawing to create different projects

Paint Like...- Students will learn about the styles of different artists and create painting in the style of Picasso, Van Gogh, Impressionist, etc.

Exploring Art Mediums- - This session covers a sampling of many things including pastels, watercolor, tempers, charcoal, and collage.

Design With Paper- Students will experiment with paper to create masks, origami, recycled art, collage, paper mache, and paper sculpture

Each session will change with each grading period. So there will be two sessions in the fall and two in the spring.

Art 3/4

Painting- Students will learn technique and principals of mixing colors to create different projects along with experimenting with different paint mediums

3D Design/Sculpture- Students will experiment with many different types of 3D materials such as clay, paper design, straw sculptures, mobile, paper masks, paper mache, etc.

Drawing- students will learn basic drawing and sketching technique and how to use lines and patterns in drawing to create different projects

Exploring Art Mediums- This session covers a sampling of many things including pastels, watercolor, tempers, charcoal, and collage.

For Kindergarteners and First Graders we will offer a Reading Skills elective on Mondays. These electives are also 1 hour and 20 minutes and will focus on helping students with the foundational skills needed for reading. For kindergarteners, the focus will be on mastering phonograms and utilizing that knowledge to read and decode words along with developing many of the phonological awareness skills needed to be a successful reader. The first grade reading elective will focus on building fluency in reading and improving reading accuracy and comprehension. This elective will have a limit of 6 students in order for the teacher to work closely with each student.

Choir (ELEM/MSCH)

A choral based elective with weekly singing and selected performances at Christmas and in the spring. The class also includes an exposure to elementary music theory for reading music, rhythm games and interaction with basic instruments including elementary hand bells.

Garden Club (GAR34)

"We are all meant to be naturalists, each in his own degree, and it is inexcusable to live in a world so full of the marvels of plant and animal life and to care for none of these things." Charlotte Mason.

This elective will expose students to the hands-on classroom of gardening. They will discover various plants and vegetation, understand about seasonal planting, plan themed gardens, plant and harvest. They will have opportunities to interact with their harvest through simple cooking activities and crafts. They will also explore the value of nutrition and provision as well as ways to share the benefits of the garden with their own families and through service outreach of the harvest into the community.

Kindergarten- Second Grade Art (ART020)

This elective is designed to introduce students to art using many different techniques. Students receive instruction and practice in drawing and painting. They will discover the basic principles of art, including types of lines, basic shapes, color, texture, foreground/background, symmetry, and linear movement.

Lego Story Lab (LESL)

This is where literature, storytelling and theater all come together in a creative hands-on outlet. Legos will be the vehicle for re-creating story scenes, building key sets, developing characters and displaying the stories in 3-D. Students will have the opportunity to not only interact with established stories and literature but to create their own stories and worlds for the characters they develop. This is a perfect class for those students who enjoy great stories, creating, building, and have a boundless imagination!

Little S.T.E.P.S. (GMR STEPS)

The Little S.T.E.P.S. (Strategic Tutoring to Encourage Potential in Students) elective is designed to provide that additional day of guidance that some students may need to encourage success with the demands of Sterling's curriculum. It will be led by a certified teacher who will manage each individual student's academic track.

Music

Students will learn music appreciation, rhythm, how to read music, and play the recorder. This is a general music class and students will cover different units on each area of music including classical composers. They will present a performance in the spring semester.

Physical Education (PE120)

Sterling's P.E. program for first and second grade students utilizes the nationally recognized SPARKS program, which encourages age appropriate, positive, and purposeful exercise. Students will participate in team building games where each student has the opportunity to participate in a challenging exercise. The second half of each class focuses on a particular sport, with students learning the rules of the game and then participating in playing that sport. Godly character and good sportsmanship will be intertwined into every aspect of this class.

Physical Education (PE340)

This elective is for third and fourth grade students structured the same as the first and second Physical Education elective with the games and sports becoming more challenging, with the added emphasis on strength, endurance, and stamina.

Pom-Pom Squad (PSQUAD36)

This elective will meet on Mondays and will be offered to students in 3rd grade and up. It will combine pep squad with dance and students will perform at the games. In addition to the cost of the elective there will be required equipment and uniforms.

Reader's Theater (RT120)

In this elective, which is available for 1st and 2nd graders, students read and dramatize familiar literature and stories. They learn about voice projection, intonation, and facial expressions within the context of a familiar story. This elective greatly improves reading fluency and reading comprehension as well.

STEM Lab

This elective allows students to use their imaginations and creativity to build, invent, and make, all while applying the design process and their critical thinking skills. Sometimes they will be given a challenge to solve with creating a contraption from available materials in the lab to solve the challenge and at other times they will create an original design that is student driven. They will learn about the scientific process as sometimes creations fail, and adjustments need to be made.

Theater 2nd-4th

This elective meets on Mondays and is open to 2nd – 4th graders. They will learn the fundamentals of acting and stage presence. There will be a culminating spring performance.

SCHOOL OF LOGIC

HISTORY

History 5 (HIS500)

In History 5, students study ancient history including the major events and cultural contributions and relevance of the ancient Israelites, Egyptians, Greeks, Romans, and other Middle Eastern nations. During the fall semester, students focus on Old Testament history, beginning with creation, and in the spring student's concentrate on ancient Greece and Rome. Teachers use hands-on, interactive teaching methods to emphasize certain time periods, historical figures and events that were influential.

History 6 (HIS600)

In History 6, students study Medieval and Early Renaissance periods. They learn about church history and key protestant reformers and leaders of the Renaissance. Students examine this period closely by developing timelines, creating art projects, and surveying art and pictures from this era. History 6 will look at what was going on all over the world in the order that it happened. So, while the Renaissance and Reformation were taking shape in Europe, we'll look at the rise of wealthy empires in West Africa; the Mogul dynasty of India; and the peaceful lives of the Aborigines of Australia. We will also visit Ivan the Terrible in Russia and the Tokugawa family in Japan. Stories will be told of the master painters and sculptors who made the Renaissance famous as well as the scientists and philosophers who dissected this exciting time on history.

History 7 (HIS700)

The 7th grade history course covers American History and politics from 1492 to 1865. From Leif Ericson to early 19th-century culture, this engaging overview brings America's history to life through interactive discussions, projects, dramatizations, and hands-on activities. Students explore historic events, the atmosphere surrounding them, and their impact on the country's future.

History 8 (HIS800)

The 8th grade history course covers American History and politics from 1865 to the present. Students will examine important events in American history, including the atmosphere in which they occurred and their impact on the future of America. . They will learn about the latter half of American history with emphasis on the Civil War and Reconstruction, the Gilded Age, World War I & II, The Great Depression, The Cold War and more.

LANGUAGE ARTS/ENGLISH

Language Arts 5 (LA500)

This course uses instruction in grammar, spelling, and classical roots vocabulary to aide in the construction of composition. Using an incremental approach to writing, students develop a solid foundation in writing as they compose descriptive, narrative, expository and creative pieces. Students learn the art of literary analysis through numerous selections including *The Children's Homer, Hittite Warrior, and Julius Caesar*.

Language Arts 6 (LA600)

This course builds upon the skills learned in Language Arts 5, while continuing to expand and develop skills in literary response and analysis, and applying that knowledge in written composition. Students will read numerous novels including *The Trumpeter of Krakow*, *Arthur and the Knights of the Round Table*, and various selections from Shakespeare and other noteworthy poets. Students will apply their knowledge of grammar, vocabulary, and punctuation as they refine their composition skills and write in all genres, including completing a research paper.

English 7 (ENG700)

In English I, students will study classical roots vocabulary in order to enhance their vocabulary as well as provide a foundation for studying the verbal sections of college admission tests. They will also have the opportunity to use new grammar concepts and reading vocabulary in their writing, and to correct and revise their compositions using the MLA Handbook, dictionary, and thesaurus while writing narrative, expository, research, creative, and persuasive pieces. The literature selections for English I will include *Johnny Tremain*, *A Tale of Two Cities*, and *Tom Sawyer*, *Rifles for Watie*, and selections of poetry and short stories to add to their repertoire of literature.

English 8 (ENG800)

Students will be given the opportunity to develop skills in writing the first draft of an essay in a limited time period and in taking notes over literature to use as a source of writing. Students will develop and refine their skills in evaluating themes, characters, conflicts, and structures of literature. Studies in classical vocabulary roots equip students for college admission tests. English 8 students enhance their writing skills by composing a variety of research, narrative, persuasive, and literary analysis essays. Literature selections include *All Quiet on the Western Front*, *Romeo and Juliet*, *Huckleberry Finn*, *To Kill a Mockingbird*, and selection of poetry.

MATH

Math 5 (MAT500)

This course teaches the place value of whole numbers and decimals; Mastery of fundamental operations; problem-solving strategies; roman numerals; measuring to the quarter inch; calculating time; making change; rounding off whole numbers, money, decimals, and mixed numbers; converting measures within the same system and solving measurement equations; addition, subtraction, multiplication, and division involving fractions; finding parts of a whole; factoring; divisibility rules; probability; addition, subtraction, multiplication, and division involving decimals; introduction to percents; reading a thermometer; negative temperature; solving algebraic expressions; graphs and scale drawings; graphing ordered pairs; perimeter and area; squares and square roots, and estimation.

Math 6 (MAT600)

In Math 6 students will learn place value of whole numbers and decimals; maintaining skills in fundamental operations; story problems; roman numerals; rounding off; English and metric measures; converting measures within the same system and solving measurement equations; adding, subtracting, and multiplying measures; prime factoring; fundamental operations involving fractions and decimals; estimation; ratios and proportion; percent; probability; graphs and scale drawings; introduction to statistics; basic geometric shapes; perimeter, area, and circumference; bisecting angles; reading thermometers; converting Celsius to Fahrenheit and Fahrenheit to Celsius; equation solving; introduction to basic algebra; latitude, longitude, and time zones; and banking, finding interest, and installment buying.

Pre-Algebra /Grade 7 (PALG700)

In this course, students will learn the principles of mathematics; English and metric measures; basic algebraic concepts; signed numbers; powers and roots; like and unlike terms; multiplying and dividing monomials; problem-solving strategies; word problems solved algebraically; reading and constructing graphs; graphical scale drawings; statistics and probability; business math; earning income; banking; stocks and bonds; insurance; basic plane and solid geometric concepts; properties of geometric figures; constructing geometric figures; perimeter, area, surface area, and volume; Pythagorean rule; sine, cosine, and tangent; and scientific notation.

Algebra /Grade 8 (ALG800dr)

In Algebra I, student will learn about linear equations in one variable; algebraic numbers; graphs, formulas, positive and negative numbers; fundamental operations; special products and factoring; fractions; ratio, proportion, and variation; linear systems of equations; powers and roots; exponents and radicals; quadratic equations; and numerical trigonometry.

SCIENCE

Science 5 (SCI500)

Fifth grade science explores the dynamics of flight and animal classification, understanding why the design we see in these incredible creatures points us to our creator God. After becoming amateur ornithologists, they will study bats and explore some common misconceptions about these creatures. Students will then study entomology, the study of insects and will learn to scientifically classify insects by their wings and other characteristics. Students will design many experiments with insects, and learn how to catch and attract insects for scientific study.

Science 6 (SCI600)

Sixth grade science revisits earth science and astronomy by studying the nature of astronomy, and the major structures of our solar system. Starting with the sun and working towards Pluto, the student will learn details about all of the planets in the solar system. Along the way, the student will also learn about earth's moon, the asteroid belt, and the Kuiper belt. After that, the student will move outside our solar system and learn about the stars and galaxies that make up God's incredible universe. Finally, the student will learn about space travel and what it takes to be an astronaut! During the second semester, this course explores the creatures of the ocean as well as the topography and climate of the ocean floor.

Science 7 (SCI700)

This course is a student's first systematic introduction to the sciences. The course covers topics like the history of science, scientific method, designing experiments, simple machines, archaeology, geology, paleontology, biology, and human anatomy and physiology. Science 7 uses many hands-on experiments and projects to solidify the concepts learned.

Science 8 (SCI800)

This course is designed to be the last science course the student takes before high school biology. The course discusses such topics as the atmosphere, the hydrosphere, weather, the structure of the earth, environmentalism, and the physics of motion, Newton's Laws, gravity, and astrophysics. There are many hands-on experiments used to explore these topics.

School of Logic Electives

Art 1

This course is a primer for Art 2. Students will explore foundation concepts of Elements and Principles of Art, experiment with different mediums, learn about several art styles, techniques and lives of various famous artists, and try different 2-D and 3-D crafts. While working on the various projects, (when it's appropriate to do so) students are really encouraged to use their creativity and think outside of the box.

Art 2

Students should have completed one full year of Art I as a prerequisite. In this course students will work on advancing their skills and deepening their knowledge of Elements and Principles of Art. There will be more time spent on specific projects to advance various skills. Students will be encouraged to work on individual projects and a couple of collaborative projects. Classes will work on preparing and entering local and/or national Art contests (TBD). The class will also explore more art styles and artists, and various new OR more advanced techniques and skills.

Choir (0506)

A choral based elective with weekly singing and selected performances at Christmas and in the spring. The class also includes an exposure to elementary music theory for reading music, rhythm games and interaction with basic instruments including elementary hand bells.

Computer Fundamentals

In the first semester, the class will cover basic computer skills. This includes using a word processor, spreadsheet and presentation software. We will also go over effectively using the computer for note taking and managing a to-do list. The spreadsheet portion shall include creating a home budget. Students will be exposed to how email works, cloud storage, file systems and the parts of their computer. There will be age-appropriate discussions around important moral and ethical issues such as malware, computer hacking, spying and online predators. The second semester will be an introduction to programming concepts using the Python programming language. There will also be a focus on improving typing skills.

Computer Science I

Pre-Requisite: Computer Fundamentals or Equivalent Knowledge

Open to 13 year-olds and above. In the first semester, students learn to program a computer using the C programming language. The students learn Boolean logic, hex math, exposure to machine code, variables, functions, control flow, loops, basic data structures and basic algorithms, the compiler, debugging skills and the command line. The second semester is an introduction to 2D graphics programming in C using the SDL graphics library. The students learn about 2D pixel manipulation, surfaces, sprites, the mouse, keyboard input, 2D animation, and basic physics. Students are encouraged to use the algorithms and data structures learned in the first semester.

Computer Science II

Pre-Requisite: Computer Science I or Equivalent Knowledge

In the first semester, students learn git, the debugger, elementary data structures and algorithms including the linked list, binary trees, binary search, quick sort, bubble sort, selection sort, merge sort, recursion. In the second semester C programming assignments are combined with mathematics, specifically geometry, linear algebra, trigonometry and elementary statistics (histograms, standard deviation, mean, median). Additional data structures are covered including, K-D trees, Quad-trees, Oct-trees, spatial indexing and Big-O. The students learn a bit of video game math including matrices and vectors, color and lighting. The second semester where the students learn to program fractals.

Creative Home (CREHOM)

Chores no more! Students will explore the fun that can be had within the home in many creative ways. This class will offer segments on making useful crafts, sewing both by hand and some machine work, scrapbooking, meal planning and basic cooking and gardening. The elective will be project oriented with ongoing hands-on experiences. Some projects will require the students to complete them at home.

Engineering Club (ENGNRG)

Students will meet on a monthly basis in this club. It will give students an up close look into the vast world of engineering. Professional engineers from various fields will serve as guest lecturers each month. They will provide interactive presentations as well as hands-on activities that will give students a real-life exposure to their fields of study and expertise.

Extreme Science (EXTSCI)

In this elective, students will have the opportunity to go beyond the science textbook and participate in a full array of fun, fascinating hands-on experiments. The class will provide the platform to answer questions like, “What would happen if.....” The experiments will be developmentally appropriate and challenging while also allowing the students to drive the direction some based on interests and curiosity.

Latin 1 (LAT1dr0708)

Students will journey to a time almost 2000 years ago when the Roman Empire controlled almost all of Europe. Set in Rome in AD 79, students become acquainted with the Latin language and gain an appreciation of Roman influences on our civilization. The purpose of this course is to teach comprehension of the Latin language for reading purposes and to develop an understanding of the history and culture of Roman civilization.

Latin 2 (LAT2dr)

Students continue the journey into the second year of a four year, well-integrated unit study of the Latin language. Students will progress in further understanding of the Latin language for reading purposes, understanding and comprehension of the history and culture of Roman civilization and advancement in overall vocabulary.

Logic (Formal 0708)

This course teaches logic in the traditional sense – logic very similar to that taught by Aristotle and others that deals with “form or structure of reasoning”. This course is heavy with definitions and vocabulary – it is essentially for learning the “grammar” of logic and the way it functions. It is an in-depth study of the syllogism, taught in the traditional three-part method. It is a systematic course in formal logic, not a sampling of logic topics. Students will find out how the nature of anything can be categorized using the “Porphyrian Tree” – a classic device for illustrating what is called the “scale of being”. In addition, the students will learn the 4 logical statements, the 4 ways statements can be opposite, the 3 ways they can be equivalent, and the 7 rules for validity.

Pom-Pom Squad (POMSQD0306)

This elective will meet on Mondays and will be offered to students in 3rd grade through 6th grade. It will combine pep squad with dance and students will perform at the games. In addition to the cost of the elective there will be required equipment and uniforms.

S.T.E.P.S. (MS STEPS)

The S.T.E.P.S. (Strategic Tutoring to Encourage Potential in Students) elective is designed to provide that additional day of guidance that some students may need to encourage success with the demands of Sterling's curriculum. It will be led by a certified teacher who will manage each individual student's academic track. This will include the assistance with Ren Web assignments, developing student goals, monitoring performance and working individually with students to develop effective organization and study strategies that will create a platform for their approach to academics.

Spanish 1 (SPN1dr08)

Students develop fluency and confidence in Spanish through a variety of listening, speaking, reading, and writing activities. New vocabulary is introduced along with grammar concepts such as infinitives, negative statements, adjectives, definite/indefinite articles, word order, and subject pronouns.

Spanish 2 (SPN2dr08)

The second year of the Spanish program continues to take students through the multi-year foreign language program that will further enhance fluency and confidence in Spanish. This will develop through enhanced listening, speaking, reading and writing activities. Students will continue to add vocabulary and grammar concepts building upon those elements learned through the first year program.

Study Hall (STYHL) (TBD -Not on Course Registration but may be added to core day depending on Master Schedule.)

This elective will enable students to complete home assignments from other courses and remain on campus during an elective block. The study hall is a "library" environment where students are expected to remain quiet throughout the period independently working on school assignments or reading.

Theater (THEAPRF)

As a course for beginning and trained actors and speakers, Theater is designed to introduce and/or re-familiarize students with the practice of theatrical performance and public speaking. There will be in-class instruction, but the emphasis will be placed on acting and speaking skills and techniques. Students will also learn set and prop design and construction, costuming, technical aspects and history. Students will audition and perform a theatrical production in the spring.

Tutorial Lab (TULB) - Tues/Thurs

Inside this elective option, students will have access to a certified teacher who will be available to assist with academic questions that may arise from assigned work from across the board of classes. This instructor will guide students and can reinforce the concepts taught by other instructors on campus. This is not a private tutoring session but can serve to aide those students who may require more guidance. Some labs will also be geared to assistance in writing and can be a great asset to those students who struggle with writing concepts and production. This class will be more interactive among students and the instructor and would not be conducive to a student that required silence to complete home assignments.

Yearbook (YRBOOK0708) (Thursday Only)

This elective is a more advance form of Journalism. Students will be compiling pictures and events throughout the school year to culminate in a final product that will be available to the student body for purchase. Students will explore topics such as photography, photo-journalism, and publishing. When this elective is taken through the club format, students will meet once a month with the instructor to determine direction, format and deadlines for article and photograph submission. Instructor will monitor and provide accountability through email correspondence between meetings.

SCHOOL OF RHETORIC

APOLOGETICS

Apologetics (APOLOG11)

This is the final course that is covered in the Communicators for Christ program. Defending the faith is a matter of both content and presentation. Therefore, apologists must know what they believe and how to talk about it. The purpose of this class is to give students an introductory understanding of the basic issues surrounding Christian apologetics and to provide opportunities for practicing apologetic communication. Students will access a primary text as well as several supplementary resources.

ENGLISH

English I – Honors (ENG900dr)

English will weave together with History as a reflection of humanities. The curriculum will integrate history, literature, philosophy, and theology. It will emphasize Greek & Roman history, philosophy, and early Christian theology. This class is designed to be discussion based and will require students to draw connections from various literatures including scripture as they are provoked to answer such questions that require moral depth and Christian worldview. Students will begin the process of defending a point of view both orally and in writing by using ideas from discussion and books being read as a base to their defense.

English II – Honors (ENG010dr)

English will weave together with History as a reflection of humanities. The curriculum will integrate history, literature, philosophy, and theology. It will emphasize medieval history, philosophy and cover the early church fathers through Reformation. This class is designed to be discussion based and will require students to draw connections from various literatures including scripture as they are provoked to answer such questions that require moral depth and Christian worldview. Students will begin the process of defending a point of view both orally and in writing by using ideas from discussion and books being read as a base to their defense. Extensive writing portfolios will be developed.

English III – Honors (ENG011dr)

The journey continues on the creation of the tapestry with the merging of English and historical reflection. The curriculum will integrate history, literature, philosophy, and theology. It will emphasize works centered on post-Reformation to the present. This class is designed to be discussion based and will require students to draw connections from various literatures including scripture as they are provoked to answer such questions that require moral depth and Christian worldview. Students will sharpen the process of defending a point of view both orally and in writing by using ideas from discussion and books being read as a base to their defense. Extensive writing portfolios will be developed as well as the Senior Thesis in preparation for their defending of such theses in the fall of the senior year.

English IV – Honors (ENG012dr)

Students will further explore Modern American Literature through a combined perspective of the historical timeline and impact on said literature as well as society. The class will find its' roots in the established Socratic method with the emphasis on discussion, exploration, research and presentation brought forth from various literature including scripture. The Senior Thesis will be submitted and presented in the fall as a culmination from the preparation completed in the junior year.

HISTORY

History I – Honors (HISI900dr)

History will weave together with English as a reflection of humanities. The curriculum will integrate history, literature, philosophy, and theology. It will emphasize Greek & Roman history, philosophy, and early Christian theology. This class is designed to be discussion based and will require students to draw connections from various literatures including scripture as they are provoked to answer such questions that require moral depth and Christian worldview. Students will begin the process of defending a point of view both orally and in writing. This class will be extended to give students ample time for discussion and conferencing.

History II - Honors (HISII010dr)

Students will continue to journey through the story of history through the reflection of humanities. The curriculum will continue to weave together the historical foundation, literature, philosophy, theology and art appreciation. It will emphasize medieval history and philosophy and cover the early church fathers through Reformation. This class is designed to be discussion based and will require students to draw connections from various literatures including scripture as they are provoked to answer such questions that require moral depth and Christian worldview. Students will begin the process of defending a point of view both orally and in writing. This class will be extended to give students ample time for discussion and conferencing.

History III – Honors (HISIII011dr)

Students will continue to journey through the story of history through the reflection of humanities. The curriculum will continue to weave together the historical foundation, literature, philosophy, theology and art appreciation. It will emphasize the post-Reformation to the present. This class is designed to be discussion based and will require students to draw connections from various literatures including scripture as they are provoked to answer such questions that require moral depth and Christian worldview. Students will begin the process of defending a point of view both orally and in writing.

History IV – Honors (HISIV012dr)

Students will culminate their journey through history with a further and extensive review of Modern American studies. The curriculum will continue to weave together the historical foundation, literature, philosophy, theology and art appreciation. This class is designed to be discussion based and will require students to draw connections from various literatures including scripture as they are provoked to answer such questions that require moral depth and Christian worldview. Students will begin the process of defending a point of view both orally and in writing.

Government (GOV012dr)

The emphasis in this class will center on students understanding world issues, identifying the rights and obligations of citizens and to become active participants in the democratic process. This is a one semester class.

Economics (ECO012dr)

Economics and the Free Enterprise System focuses on the impact of economics on the lives of people. Economics emphasizes the basic principles of production, consumption, and distribution of goods and services in the United States and a comparison with those of other countries.

MATH

Geometry (GEOM910dr)

Geometry students will learn the span of geometrical elements including points, lines, planes, angles, deductive reasoning, parallel lines and planes, congruent triangles, quadrilaterals, inequalities in geometry, similar polygons, right triangles, circles, constructions and loci, areas of plane figures, areas and volumes of solids, coordinate geometry and transformations.

Algebra II (ALG2910dr)

In Algebra II, students will learn inequalities and proofs, linear equations and functions, rational expressions, irrational and complex numbers, quadratic equations and functions, exponential and logarithmic functions, sequences and series, triangle trigonometry, trigonometric graphs and identities, trigonometric applications, statistics and probability, matrices and determinants.

Pre-Calculus (PRECA11dr)

In this course, students will expand their knowledge of quadratic, exponential and logarithmic functions to include power, polynomial, rational, and trigonometric functions. Students will investigate and explore mathematical ideas, develop multiple strategies for analyzing complex situations and use graphing calculators to build understanding and solve problems. Real-life data and applications are provided throughout this course as a means to add further opportunities for generating and analyzing mathematical models.

Calculus - Honors (CALC12dr)

Calculus will develop the student's understanding of the concepts of calculus including functions, graphs, limits, derivatives, integrals, and their applications as well as polynomial approximations and series.

SCIENCE

Biology – Honors (SCI900dr)

This college-preparatory curriculum provides high school students an in-depth exploration with detailed introduction to the methods and concepts of biology. Heavily emphasizing the vocabulary of biology, it provides the student with a strong background in the scientific method, the five-kingdom classification scheme, microscopy, biochemistry, cellular biology, molecular and Mendelian genetics, evolution, dissection, and ecosystems. It also provides a complete survey of the five kingdoms in Creation as well as covering the anatomy and physiology of the human body's 11 organ systems in detail.

Chemistry – Honors (SCI010dr)

This course is designed to give the student a rigorous foundation in Chemistry. The course covers significant figures, units, classification, the mole concept, stoichiometry, thermochemistry, thermodynamics, kinetics, acids and bases, redox reactions, solutions, atomic structure, Lewis structure, molecular geometry, the gas laws, and equilibrium.

Physics – Honors (SCI011dr)

Students will explore the parameters of physics through the study of key topics which will include the nature of scientific knowledge, motion and the Medieval Model of the Heavens, Newton's laws of Motion, variation and proportion, energy, heat, temperature, waves, sounds, light, electricity, DC circuits, fields and magnetism, substances, atomic models, the Bohr and Quantum Model of the Atom, and Atomic bonding. Students will participate in lab work, hands- on activities, and in-depth exploration.

Advanced Environmental Science – Honors (SCI012dr)

Environmental Science is a science based, relevant, interdisciplinary course that combines ideas from the natural and social sciences. Students will study the interconnections between the environmental and societal systems. The content areas addressed are: interdependence of earth's systems, human population dynamics, renewable/nonrenewable resources (distribution, ownership, use, degradation), environmental/society. This course will prepare students to take the Advanced Placement exam.

Speech

Speech/ Debate (SPDB10)

This class allows students to participate in the practice of Lincoln-Douglas Debate, impromptu Speaking, Original oratory, and public forum. Students will have opportunities for tournament participation.

Writing Lab

Writing Lab (WRITLAB0912)

Being a dynamic writer is essential to the successful foundation of a student. The Writing Lab provides an interactive platform where students can workshop current writing projects as well as they navigate through longer assignments for solid grammatical and stylistic pieces under the guidance and direction of a writing specialist.

SCHOOL OF RHETORIC ELECTIVES

Computer Science I

Pre-Requisite: Computer Fundamentals or Equivalent Knowledge

Open to 13 year-olds and above. In the first semester, students learn to program a computer using the C programming language. The students learn Boolean logic, hex math, exposure to machine code, variables, functions, control flow, loops, basic data structures and basic algorithms, the compiler, debugging skills and the command line. The second semester is an introduction to 2D graphics programming in C using the SDL graphics library. The students learn about 2D pixel manipulation, surfaces, sprites, the mouse, keyboard input, 2D animation, and basic physics. Students are encouraged to use the algorithms and data structures learned in the first semester.

Computer Science II

Pre-Requisite: Computer Science I or Equivalent Knowledge

In the first semester, students learn git, the debugger, elementary data structures and algorithms including the linked list, binary trees, binary search, quick sort, bubble sort, selection sort, merge sort, recursion. In the second semester C programming assignments are combined with mathematics, specifically geometry, linear algebra, trigonometry and elementary statistics (histograms, standard deviation, mean, median). Additional data structures are covered including, K-D trees, Quad-trees, Oct-trees, spatial indexing and Big-O. The students learn a bit of video game math including matrices and vectors, color and lighting. The second semester where the students learn to program fractals.

Computer Science Cap Stone

Pre-Requisite: Computer Science II or Equivalent Knowledge

Students select topics that they are interested in. Instructor guides their education in it. Students ultimately select challenging programming projects to complete in the course. Projects that prior year students selected included research into fractals, learn the C++ language, 3D lighting equations, analyzing audio waveform, learn Open GL programming.

Latin 2 (LAT2dr)

Students continue the journey into the second year of a four year, well-integrated unit study of the Latin language. Students will progress in further understanding of the Latin language for reading purposes, understanding and comprehension of the history and culture of Roman civilization and advancement in overall vocabulary.

Latin 3 (LAT3dr)

Students continue the stimulating, historically accurate story line of Units 1 and 2. Students will progress further in their understanding of the Latin language for reading purposes, understanding and comprehension of the history and culture of Roman civilization and advancement in overall vocabulary.

Spanish 2 (SPN2dr)

The second year of the Spanish program continues to take students through the multi-year foreign language program that will further enhance fluency and confidence in Spanish. This will develop through enhanced listening, speaking, reading and writing activities. Students will continue to add vocabulary and grammar concepts building upon those elements learned through the first year program.

Spanish 3 (SPN3dr)

The third year of the Spanish program continues to take students through the multi-year foreign language program that will further enhance fluency and confidence in Spanish. This will develop through enhanced listening, speaking, reading and writing activities. Students will continue to add vocabulary and grammar concepts building upon those elements learned through the first two years of the program.

Spanish 4 (SPN4dr)

The fourth and final year of the Spanish program will seamlessly integrate vocabulary, grammar, communication, culture, and digital learning for upper level Spanish. This text features 12 thematic chapters with a focus on the integration of language and contemporary culture, a review and expansion of vocabulary and grammar, and extensive practice in the three modes of communication (interpretive, interpersonal, and presentational). The cultural themes allow for a deeper exploration of cultural products, practices, perspectives, and comparisons.

S.T.E.P.S. (HS STEPS)

The S.T.E.P.S. (Strategic Tutoring to Encourage Potential in Students) elective is designed to provide that additional day of guidance that some students may need to encourage success with the demands of Sterling's curriculum. It will be led by a certified teacher who will manage each individual student's academic track. This will include the assistance with Ren Web assignments, developing student goals, monitoring performance and working individually with students to develop effective organization and study strategies that will create a platform for their approach to academics.

Study Hall (STYHL)

This elective will enable students to complete home assignments from other courses and remain on campus during an elective block. The study hall is a “library” environment where students are expected to remain quiet throughout the period independently working on school assignments or reading.

Theater (THEAPRF)

As a course for beginning and trained actors and speakers, Theater is designed to introduce and/or re-familiarize students with the practice of theatrical performance and public speaking. There will be in- class instruction, but the emphasis will be placed on acting and speaking skills and techniques. Students will also learn set and prop design and construction, costuming, technical aspects and history. Students will audition and perform a theatrical production in the spring.

Tutorial Lab (TULB)

Inside this elective option, students will have access to a certified teacher who will be available to assist with academic questions that may arise from assigned work from across the board of classes. This instructor will guide students and can reinforce the concepts taught by other instructors on campus. This is not a private tutoring session but can serve to aide those students who may require more guidance. Some labs will also be geared to assistance in writing and can be a great asset to those students who struggle with writing concepts and production. This class will be more interactive among students and the instructor and would not be conducive to a student that required silence to complete home assignments.

Yearbook (YRBOOK) (Thursday Only)

This elective is a more advanced form of Journalism. Students will be compiling pictures and events throughout the school year to culminate in a final product that will be available to the student body for purchase. Students will explore topics such as photography, photo-journalism, and publishing.

Conservatory of the Arts and Sciences

Advanced Band (ADVBND)

Advanced Band is designed for students who have had a year or more of playing experience. The students are taught how to increase range and technical ability and play a greater variety of ensemble and concert band music. Students will perform public concerts in December and May and have the options of competing in the TPSMEA Solo and Ensemble Festival in March.

Beginning Band (BEGBND)

This elective will start as an introduction to playing musical instruments. Students will have an opportunity to explore different instruments prior to selection. The class will work towards introducing and improving each individual's musical skill level to ultimately allow for group participation in the band ensemble. This is for students who have not neither participated in a band nor had private lessons. Although classes may serve as group lessons, students will still be encourage to seek private lessons that focus on their specific instrument of choice. Students in this class will rent (or purchase if chosen) their individual instruments from a local music store.

Computer Science

Open to 13 year-olds and above. The students will learn to program a computer using the C programming language as a preparation for eventually learning C++, Java or another high level language in the universities. The students learn Boolean logic, basic data structures and basic algorithms, the compiler, debugging skills and more. The class is also open to the very advanced students among us. For the advanced students, we run a parallel curriculum where the students study according to their individual level. Last year those students studied advanced sorting algorithms, advanced data structures, geometry, linear algebra and fractals.

Culinary Arts

Join a professional Chef and experience a professional kitchen while students learn fundamentals like using kitchen tools and honing cooking skills and techniques. Students will be required, as a prerequisite, to complete the online Texas Food Handler course and receive the certificate allowing for a safe and educated participation in a commercial kitchen. This course will take students through kitchen basics leading up to the exploration of the Mother Sauces. In the 19th century, Marie-Antoine Carême anointed Béchamel, Velouté, Espagnole, and tomato sauce as the building blocks for all other sauces. Later on, Hollandaise got added to the family. Since then, many people consider others sauces -- sweet and savory from all around the world -- as unofficial extended relatives of these five sauces. Though some will argue for the importance of chimichurri and chocolate sauce, its knowledge of the five French mother sauces that will prove essential. They may seem intimidating, but mother sauces will nurture your kitchen confidence. These five sauces, all equally important to your cooking repertoire, serve as the starting point for a slew of other classics.

Design Fundamentals

This introductory course will explore the principles of design, and introduce and develop the creative process. Design elements and relationships will be identified and employed to establish a basis for aesthetic sensitivity and critical analysis. Design will be presented as a tool of communication. In addition students will have an introduction to raster-based digital image manipulation where they will become acquainted with the concepts, hardware, and software, related to digital image acquisition, image editing, manipulation, color management basics, masking, layering, retouching, scanning and output.

Engineering Club (ENGNRG)

Students will meet on a monthly basis in this club. It will give students an up close look into the vast world of engineering. Professional engineers from various fields will serve as guest lecturers each month. They will provide interactive presentations as well as hands-on activities that will give students a real-life exposure to their fields of study and expertise.

Entrepreneurship

This is a comprehensive curriculum and program that empowers participants with academic, entrepreneurial and 21st century skills that are universal for the success of college and career readiness. It engages youth with hands on, project based exploration, focusing on a student's passion and interests for the development and implementation of a business idea. It takes students through the five phases of Think It, Plan It, Start It, Manage It and Grow It. Students could be running their own business at the culmination of this year long program.

Field Biology

This is a hands-on course in field biology that takes students out of a classroom and into nature to study and explore. Students will learn basic concepts about ecology and environmental science through outdoor activities and exploration of a variety of ecosystems.

Food Science

This course allows participants to understand food composition, biotechnology and chemistry of foods, food safety, dairy industry, meat science, beverages, and food processing. Become an informed student and learn about the scientific world of foods. Students would gain a better understanding of the science that goes into the food they eat, whether it be grown or processed. We will also study the science behind flavoring, coloring and preserving. We will look into the differences and similarities between organically grown products and conventionally grown products as well as the pros and cons to genetically modified organisms.

Forensic Science

This course focuses on the skills and concepts behind crime scene investigation and forensic science. Whether you desire to be crime scene investigator, forensic pathologist, or some other medical scientist, this course will help you hone your investigative skills and review a wide range of science concepts. You will review physics, chemistry, anatomy, cell biology, and environmental science in the process of learning about forensic science. You will engage in lectures, labs and case studies as part of this course. This course should help you see how science is used to answer questions rather than just learning science concepts. It should be a very interesting and engaging course.

Innovative Multimedia: Compositional, Audio, and Literary Journalism Workshop (Fine Arts)

Innovative Multimedia is for students that want to excel and learn creative platforms of communication. Using three different media platforms: podcasting, creative journalism, and publishing, students will develop their communication, computer software integration, compositional arrangement, and interviewing skills to develop, design, and distribute the Sterling Podcast, Newspaper, and Arts Magazine. This class will prepare students in modern rhetorical techniques of creative expression for college. It will also teach college level editorial and design methods. The class requires an application prerequisite. Please obtain and submit an application for **Innovative Multimedia**.

Painting 1

In this fun hands-on class, students will explore different Acrylic and Pastel painting techniques and create several art projects such as Animal painting, Landscape, and work in styles of famous artists. We will do painting and color exercises and work on several projects putting different skills into practice. For references we will use different reference photos, artwork of famous artists, and real objects. (This class offers a more specific and concentrated instruction than Art 1 and Art 2 classes.) (11-12 years old and up). Good drawing skills are recommended.

Portrait Drawing 1

Whether your portraits look like misshapen aliens or you need help getting better at drawing faces, this is the class for you. In this beginning class students will explore anatomy of the human head, facial proportions through studying and working with various reference materials, and doing progressive exercises. We'll use charcoal and graphite pencils. (This class offers a more specific and concentrated instruction than Art 1 and Art 2 classes.) (12 years old and up.) Prerequisite - one Middle or High School art class. Good drawing skills are recommended.

Realistic Drawing 1

Tired of drawing stick figures? Take your drawing skills to the next level. In this course, students will do progressive drawing exercises while deepening the understanding of fundamental art concepts. We'll work on sketching simple objects, practice tonal values, shading using graphite pencils and charcoal and more. The goal of this class is to help students to see like an artist and get better at creating realistic representations of simple objects. For references we'll use real objects, photo materials, famous artists' artwork, etc. (This class offers a more specific and concentrated instruction than Art 1 and Art 2 classes.) (12 years old and up.) Prerequisite - Middle or High School art class.

Sign Language (ASL) 1

American Sign Language is a rich and complex language and has recently been declared as an official language and recognized by 48 states as a foreign language. This class is designed to prepare students to successfully interact with American Sign Language (ASL). Lessons are structured around language needed for common-life situations, and examples are presented in the form of dialogues coupled with grammar and vocabulary instruction. Information taught in class will also include the culture of deaf people in the United States. This is a High School level class and will be reflected on requested transcripts.

Sign Language (ASL) 2

This will be a continuation based on what was learned in Sign Language 1.

Sound Design – Music Composition for Computers

This is a beginning musical composition class that will survey, create, and learn the beginning techniques of production in various styles of music. From classical, modern ambient, film score, commercial pop, and EDM computers have become a primary tool for music creation, production, and scoring. In this class students will learn the ins and outs of a DAW (Digital Audio Workstation), learn how to create MIDI (computer composition) and use VSTs (Virtual Studio Technology) to develop particular sound synthesis and design. Students will gain an appreciation for many forms of music through hands on creation of their style and creative imagination.

Watercolor Painting 1

Discover the magic of one of the most beautiful and respected painting medium of Watercolor. Through many progressive color exercises and several painting projects, your student will explore classical and contemporary watercolor painting methods and techniques. Some of the things covered in the course are - different types of washes, edges, color mixing, layers, pigment properties, different techniques, and more. For references we will use various printed materials and real objects. (This class offers a more specific and concentrated instruction than Art 1 and Art 2 classes.) (12 years old and up.) Good drawing skills are recommended. Prerequisite - Middle or High School Art class.

3D Modeling

Through critical analysis, the student will apply basic design principles to the solution of visual problems using elements of 3D design. The student will conceptualize 3D coordinate systems, construct 3D models, and apply them to geometric construction.