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Mount Sophia Academy Core Course Catalogue

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IMPORTANT INFORMATION

This catalogue is a list of the core courses offered by Mount Sophia Academy. Not every course is offered every year. For the list of classes offered for the current school year (along with the electives offered) please see the current class information section of the website. Other core classes may be added to the current year's offering. Once again refer to the current school year portion of the website.

ACADEMIC POLICIES

Grading: The following scale will be used in order to maintain consistency in grading:

- A: 92%-100%
- B: 82%-91%
- C: 72%-81%
- D: 65%-71%
- F: 0%-64%

Letter grades will be given to all students and may or not be accompanied by numerical grades; for purposes of graduation, the letter grades shall take precedence. The lowest possible passing grade for a quarter is 65% or a "D". Credit will not be given for a final grade less than a "C".

COURSE LEVELS

- Level 2: Standard high school
- Level 3: College Preparatory
- Level 4: Advanced (1.5 times the level 3 requirement)
- Level 5: Honors (double level 3 requirement/College level class)

ACADEMIC INTEGRITY

No cheating of any kind will be tolerated. This includes plagiarism. Plagiarism is the use of someone else's intellectual property. Any quotes, direct or otherwise, or images used from someone else's writing (whether or not it is copyrighted) constitute plagiarism, unless credit is given to the author of the information.

ATTENDANCE

All students are required to log 180 days of attendance

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GRADUATION REQUIREMENTS

NON-COLLEGE BOUND (minimum requirements)

LANGUAGE ARTS: 4 credits (must take one each year)

MATHEMATICS: 4 credits (includes Algebra 1, Geometry, Consumer Math/Financial Literacy & one other math)

SOCIAL STUDIES: 4 credits (includes 1 credit each of American & World History, .5 credit each of Civics, Economics, Geography, and .5 credit of one other core Social Science)

SCIENCE: 4 credits (includes Biology with lab, Chemistry with lab, 2 additional sciences and at least that must be a lab science)

WORLD LANGUAGES: 2 credits

CAREER EXPLORATION/VOCATIONAL TRAINING/ELECTIVES: 4 credits

TECHNOLOGY: 1 credit

PHYSICAL EDUCATION: 1.5 credits

HEALTH: 0.5 credits

FINE ARTS: 1 credit

TOTAL CREDITS REQUIRED: 26 credits

COLLEGE BOUND (minimum requirements)

LANGUAGE ARTS: 4 credits (must take one each year)

MATHEMATICS: 4 credits (includes, Algebra I, Geometry, Algebra II, .5 credit of Consumer Math/Financial Literacy and at least .5 credit of another math)

SOCIAL STUDIES: 4 credits (includes 1 credit each of American & World History, .5 credit each of Civics, Economics, Geography, and .5 credit of one other core Social Science)

SCIENCE: 4 credits (includes Biology with lab, Chemistry with lab, plus two additional science, one of these must be a lab science)

WORLD LANGUAGES: 2 or 3 credits (depending on college)

CAREER EXPLORATION/ELECTIVES: 3 or 4 credits

TECHNOLOGY: 1 credit

PHYSICAL EDUCATION: 1.5 credits

HEALTH: 0.5 credits

FINE ARTS: 1 credit

TOTAL CREDITS REQUIRED: 26 credits

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Mathematics Courses

Pre-Algebra – level 3 (1 credit)

For this class subjects covered include: adding/subtracting/multiplying/dividing of fractions/decimal numbers/signed numbers, order of operations, introduction of variables, combining like terms, solving for variables, number sense, divisibility rules, factors and multiples.

Algebra I – level 2 (1 credit)

This course will cover the basic concepts needed for an Algebra 1 credit and is geared to students who will not need higher level math for life or college. This class includes a review of real numbers, solving equations and problem solving, graphs and functions, solving inequalities and absolute value, solving systems of linear equations and inequalities, exponents and polynomials, factoring polynomials, rational expressions, roots and radicals, quadratic equations.

Algebra I – level 3 (1 credit)

Algebra is a necessary tool for success in many fields. In addition to providing a solid foundation for math and science courses, this course will instill problem solving skills that will be useful in many everyday applications. Topics introduced in this course comprise much of the SAT math sections, and include expressions and equations, axioms and properties, polynomials and radicals, linear and quadratic equations, properties of exponents, factoring binomials and trinomials, and rational and radical algebraic expressions.

Algebra I – level 4 (1 credit)

Algebra is a necessary tool for success in many fields. In addition to providing a solid foundation for math and science courses, this course will instill problem solving skills that will be useful in many everyday applications. This class will go into more detail than the level 3 class. Topics introduced in this course comprise much of the SAT math sections, and include expressions and equations, axioms and properties, polynomials and radicals, linear and quadratic equations, properties of exponents, factoring binomials and trinomials, rational and radical algebraic expressions, inequalities and functions and advanced topics.

Algebra II – level 2 (1 credit)

Topics covered include: linear equations and inequalities, quadratic equations, polynomials, rational expressions, powers, roots, exponents, logs, circles, trigonometry, and basic probability.

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Algebra II – level 3 (1 credit)

This course will continue to build the foundation that is necessary for success in many fields. Students will gain additional problem solving skills that are useful in life, and the concepts introduced in this course will improve SAT math scores and increase the potential for success in college. Topics include linear and quadratic functions and relations, systems of equations, introduction to matrices, complex numbers, exponents and logarithms, and conic sections. (Trigonometry is not covered in this course.)

Algebra II – level 4 (1 credit)

This course will continue to build the foundation that is necessary for success in many fields. Students will gain additional problem solving skills that are useful in life, and the concepts introduced in this course will improve SAT math scores and increase the potential for success in college. Topics include linear and quadratic functions and relations, systems of equations, introduction to matrices, complex numbers, exponents and logarithms, and conic sections. Level 4 will introduce additional topics such as probability, sequences and series. (Trigonometry is not covered in this course.)

Algebra II/Trigonometry – level 5 (1 credit)

This is a rigorous Algebra II class that included trigonometry. It will cover equalities and inequalities, relations, functions and graphs, solving simultaneous equations, polynomials and polynomial equations, rational expressions and equations, powers, roots and complex numbers, quadratic equations and transformations. matrices and determinants, probability and introduction to statistics, radian and degree measure, graphs of trigonometric functions, inverse trigonometric functions, trigonometric identities, Law of Sines, and Law of Cosines, vectors, complex numbers, DeMoivre's Theorem, exponential and logarithmic functions, and analytic geometry. Upon completion of this course the student will be ready for Honors Pre-Calculus.

Geometry – level 2 (1 credit)

This is a standard high school geometry class for students not going into an STEM related field. Topics covered include parallel and perpendicular lines, congruent triangles, relationships within triangles, quadrilaterals, area, similarity, right angle triangles, surface area and volume, and circles.

Geometry – level 3 (1 credit)

This is a college prep class which will prepare students for college. This class will cover an introduction to logic, parallel and perpendicular lines, polygons, triangles and their relationships, quadrilaterals, perimeter and area, surface area and volume,

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triangular similarities, right angle triangles, circles, chords secants, tangents and arcs. This course will include formal proofs.

Geometry – Level 4 (1 credit)

This class is for students who are interested in majoring in a STEM related field. It will cover inductive versus deductive reasoning, lines and angles, angle pairs, perpendicular lines, parallel lines, triangles, congruent triangles, inequalities, quadrilaterals, polygons, similar triangles, right triangles, circles, area, solid geometry, and coordinate geometry. This course will include both formal proofs as well as constructions.

Pre-Calculus – level 3 (1 credit)

In addition to laying the foundation for calculus, this course will present math skills that are necessary for success in multiple areas. Topics covered include functions and their graphs, polynomial and rational functions, exponential and logarithmic functions, trigonometric functions, analytic trigonometry, circles, parabolas, ellipses and hyperbolas.

Pre-Calculus – level 5 (1 credit)

This is a rigorous pre-calculus class using a college-level textbook. This is for students who are planning on going into STEM fields as well as those who are planning to go into a business major and need to prepare for a college calculus course. Topics covered include functions and their graphs, polynomial and rational functions, exponential and logarithmic functions, trigonometric functions, analytic trigonometry, Law of Sines and Law of Cosines, vectors, linear systems and matrices, sequences, series and probabilities, circles, parabolas, ellipses and hyperbolas, and analytical geometry in three dimensions.

Statistics and Probability – level 2 (1 credit)

This class is for students who need another math class but are not ready for the rigors of Pre-Calculus. The class will cover basic statistical concepts including frequency distributions, graphing statistical data, the normal distribution, standard deviations, probability and counting rules, and an introduction to z scores. Students will have open book tests.

Statistics and Probability – level 3 (1 credit)

This is a college prep class that will prepare the students for a college level statistics class. The class will cover frequency distributions, several types of graphs, measures of central tendencies, normal distribution, standard deviations, probability and counting rules, writing surveys, bias, z scores.

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Statistics – level 5 (1 credit)

This is a rigorous statistics class using a college level textbook. Many college majors require a course in statistics. This class will be excellent preparation. This course will include distributions of data, working with summary statistics, relationships between two quantitative variables, sample surveys and experiments, probability models, probability distributions, sampling distributions, inference for proportions, inference for means, chi-square tests, and inference for regression.

Calculus I – level 5 (1 credit)

This will be a block class (fall semester). This class is ideal for those students who are planning on majoring in these areas or those who wish to have a level 5 mathematics course to enrich their transcript. Students who do not have to take a college calculus course that includes trigonometry (natural science majors and business majors) should plan on taking this course in the fall semester. It covers functions and models, limits, derivatives, implicit differentiation, the Chain Rule, applications of differentiation, antiderivatives, integral applications of integration, exponential and logarithmic. These classes use the same textbook used in UD's Math 241 and 242 Calculus courses.

Calculus II– level 5 (1 credit)

This will be a block class (spring semester) for those students who will be taking a college calculus class that includes trigonometry (for example, engineering majors).” It covers functions and models, limits, derivatives, implicit differentiation, the Chain Rule, applications of differentiation, antiderivatives, integral applications of integration, exponential, logarithmic and inverse functions, hyperbolic functions, indeterminate forms and L'Hospital's Rule , techniques of integration (including trigonometric substitution), parametric equations, and sequences and series. This course along with its Calculus I prerequisite, will cover most of the concepts in University of Delaware's Math 241 and 242 courses.

Linear Algebra and Discrete Mathematics – level 5 (1 credit)

This course is for students who have completed the Level 5 Calculus course. It will cover the following topics in Discrete Math – Logic of Compound Statements, Logic of Qualified Statements, Elementary Number Theory and Methods of Proof, Sequences and Mathematical Induction, Set Theory, Counting and Probability, and Functions. In the Linear Algebra portion of the course we will cover Vectors, Linear Equation, Matrices, and Eigenvalues and Eigenvectors

Science Courses

Physical Science with lab – level 3 (1 credit)

Physical Science is the study of the earth, the universe, and the laws of physics. The first half of the course focuses on earth science; the second half of the course focuses on physics. The earth science portion covers air, atmosphere, water, hydrosphere, lithosphere, and weather. The physics portion covers motion, Newton's Laws, gravity, electricity, magnetism, atomic structure, radioactivity, sound, and light. On each lab day, three hours will be used to complete the labs included in the textbook,

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Biology with lab – level 2 (1 credit)

This biology class is for students not planning on going into a STEM related field. Biology is not a dry topic to simply to be read about and tested at the kitchen table! It is a wonder to be explored, shared and revealed. Lab days will promote cooperative learning and teach the scientific method of learning which is foundational for all upper level science courses, as well as, life in general. Systematic, organizational study is a key to success for every level of learning, regardless of student ability level. Lab days will provide opportunities to use real tools of science, work in small groups, and move through stations to maximize labs accomplished.

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Biology with lab – level 3 (1 credit)

This course is designed to be the student's first high school biology course with a heavy emphasis on the vocabulary of biology. It will cover the following topics: what is life? the scientific method, Kingdom Monera, Kingdom Protista, Kingdom Fungi, the chemistry of life, the cell, its structure and reproduction, DNA, Mendelian genetics, evolution, ecology, invertebrates, Phylum Arthropoda, Phylum Chordata, Kingdom Plantae, and reptiles, birds and mammals.

Biology with lab – level 4 (1 credit)

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Conceptual Chemistry with lab – level 2 (1 credit)

This course is designed to be an introduction to chemistry for the high school students who are not planning on majoring in a STEM field. Topics covered include: matter, physical and chemical changes, the periodic table, elements - their behavior and structure, chemical names and formulas, chemical reactions, states of matter, behavior of gases, ionic and covalent bonds, properties of solutions, acids and bases, etc.

Chemistry I with lab – level 3 (1 credit)

This course is meant to be an introduction to chemistry for high school students who are planning on going into a STEM field. The course covers: measurements and units, heat, energy and temperature, atoms and molecules, classifying matter and its changes, basic chemical reactions, stoichiometry, atomic structure, molecular

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structure, polyatomic ions, molecular geometry, acid/base chemistry, solutions, gases, thermodynamics, kinetics of chemical reaction, chemical equilibrium, and oxidation/reduction reactions.

Chemistry I with lab – level 4 (1 credit)

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Chemistry I with lab – level 5 (1 credit)

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Conceptual Physics with lab – level 2 (1 credit)

Ever wonder why the world works like it does? Why don't cars always make it around a curve? Do airbags really reduce injuries? Find out the answers to these and other real-life physical problems by learning physics. This course concentrates on understanding the concepts of physics without using a lot of math (but it does use some math). Topics include motion, Newton's Laws, momentum, energy, waves, sound, light, electricity and magnetism. Concepts will be explained with lecture and explored through hands-on experiences and investigative labs. This course is particularly suited to students who find math confusing. This course is NOT recommended for students who anticipate majoring in science or engineering in college; those students should take college prep physics.

Physics I with lab – level 3 (1 credit)

Why don't cars always make it around a curve? Do airbags really reduce injuries? Find out the answers to these and other real-life physical problems by learning physics. Topics include motion, Newton's Laws, energy, momentum, periodic

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motion, waves, sound, light, optics, electricity and magnetism. This course will combine a mathematical approach with hands-on experiences and investigative labs. Students who anticipate taking science or engineering in college should take this course. Students may take it in either junior or senior year.

Chemistry II with lab – level 5 (1 credit)

This course is for those students who have completed high school chemistry and intend to major in a STEM field in college. It is also a good course for those who wish to sit the AP chemistry exam. Topics covered include the structure of the atom, the electronic structure of molecules, intermolecular forces and the phases of matter, gases, solutions and colloids, solutions and equilibrium, acid/base equilibria, electrochemistry, chemical kinetics, organic chemistry and nuclear chemistry. Students will complete a college level textbook.

Physics II with lab – level 3 (1 credit)

This course is for those students who have completed high school physics and intend to major in a STEM field in college. Physics II delves more deeply into the topics covered in Physics I. In addition, we will investigate these new topics: thermal physics (heat and thermodynamics), interference, alternating current, relativity, and nuclear physics. Students who anticipate taking science or engineering in college should take this course.

Physics II with lab – level 5 (1 credit)

This course is for those students who have completed high school physics and intend to major in a STEM field in college. Physics II delves into topics not covered in Physics I. Topics will be selected from the following: alternating current, transistors, digital logic, thermal physics (heat and thermodynamics), waves (superposition, standing waves, interference, optics), relativity, and nuclear physics. This course is algebra-based; calculus is not required. This course will combine a mathematical approach with hands-on experiences and investigative labs. Applications to “real life” are highlighted.

Anatomy and Physiology with lab - level 3 (1 credit)

This class is for those students who have already successfully completed a high school biology course and are interested in going into a medical related field. It will cover a review of Biology, Histology, The Integumentary and Skeletal Systems, Skeletal System Histology and Movement, Muscle Histology and Physiology, The Skeletal Muscle System, The Nervous System – Central and Peripheral, The Endocrine System, The Circulatory System, The Lymphatic System, The Digestive System, The Respiratory System, and the Urinary System. Lab dissections will include a sheep's eye, a cow's heart, and a fetal pig.

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This class is for those students who have already successfully completed a high school biology course and are interested in going into a medical related field. It will cover a review of Biology, Histology, The Integumentary and Skeletal Systems, Skeletal System Histology and Movement, Muscle Histology and Physiology, The Skeletal Muscle System, The Nervous System – Central and Peripheral, The Endocrine System, The Circulatory System, The Lymphatic System, The Digestive System, The Respiratory System, and the Urinary System. Lab dissections will include a sheep's eye, a cow's heart, and a fetal pig. Material will be added to the level 3 course to make this a level 4. This includes more study of the individual systems as well as students doing their own investigations under the supervision of the instructor.

Anatomy and Physiology with lab - level 5 (1 credit)

This class is for those students who have already successfully completed a high school biology course and are interested in going into a medical related field. It will cover a review of Biology, Histology, The Integumentary and Skeletal Systems, Skeletal System Histology and Movement, Muscle Histology and Physiology, The Skeletal Muscle System, The Nervous System – Central and Peripheral, The Endocrine System, The Circulatory System, The Lymphatic System, The Digestive System, The Respiratory System, and the Urinary System. Lab dissections will include a sheep's eye, a cow's heart, and a fetal pig. Material will be added to the level 4 course to make it a level 5. This includes more study of the individual systems as well as students doing their own investigations under the supervision of the instructor.

Forensic Science with lab – level 3 (1 credit)

This class is for those students who have already successfully completed a high school chemistry course. It will give an overview of forensic science includes history of forensics, applicable laws and government restrictions, drug analysis, fingerprinting, DNA, blood splatter, document analysis, fiber analysis, tire & footprint analysis.

Language Arts Courses

Language Arts 9 – level 2 (1 credit)

Students will be required to complete a literature class. In addition, they will take the course Writing 9 or Introduction to High School Writing. Both will review the basics of grammar, sentence structure, and writing a good paragraph, before proceeding to poetry, short story writing, essays, and a research paper/report of 4 pages in length (MLA).

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Language Arts 9 – level 3 (1 credit)

Students will be required to complete a literature class. In addition, they will take the course Introduction to Writing 9, which includes a review of basic grammar, advanced writing mechanics, and solutions to common writing mistakes, and then applies these to creative writing, essay writing, and research paper writing (MLA format - 5 pages in length)

Language Arts 9 – level 4 (1 credit)

Students will be required to complete a literature class (reading a total of 18 books) . In addition, they must complete the writing portion of the language arts requirements by taking Writing 9 which includes a review of basic grammar, advanced writing mechanics, and solutions to common writing mistakes, and then applies these to creative writing, essay writing, and research paper writing (MLA format - 7 pages in length)

Language Arts 9 – level 5 (1 credit)

Students will be required to complete a literature class (reading a total of 22 books). In addition, they must complete the writing portion of the language arts requirements by taking Writing 9 which includes a review of basic grammar, advanced writing mechanics, and solutions to common writing mistakes, and then applies these to creative writing, essay writing, and research paper writing (MLA format - 7 pages in length)

Language Arts 10 – level 2 (1 credit)

Students will be required to complete a literature class. In addition they will take the course Writing 10 which includes creative writing, essay writing, and research paper writing (MLA format – 5 pages). The class introduces more advanced grammar concepts and helps students to improve their writing through application of these grammar concepts. In addition, solutions to common writing mistakes are covered.

Language Arts 10 – level 3 (1 credit)

Students will be complete a literature class. In addition they will take the course Writing 10 which includes creative writing, essay writing, and research paper writing (MLA format – 6 pages). The class introduces more advanced grammar concepts and helps students to improve their writing through application of these grammar concepts. In addition, solutions to common writing mistakes are covered.

Language Arts 10 – level 4 (1 credit)

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Students will be required to complete a literature class (reading a total of 18 books). In addition they will take the course Writing 10 which includes creative writing, essay writing, and research paper writing (MLA format – 8 pages). The class introduces more advanced grammar concepts and helps students to improve their writing through application of these grammar concepts. In addition, solutions to common writing mistakes are covered.

Language Arts 10 – level 5 (1 credit)

Students will be required to plus complete a literature class (reading a total of 22 books). In addition they will take the course Writing 10 which includes creative writing, essay writing, and research paper writing (MLA format – 10 pages). The class introduces more advanced grammar concepts and helps students to improve their writing through application of these grammar concepts. In addition, solutions to common writing mistakes are covered.

Language Arts 11 – level 2 (1 credit)

Students will be required to complete a literature class. In addition they will take the course Writing 11 which includes creative writing, essay writing, and research paper writing (APA format – 7 pages). The class introduces more advanced grammar concepts and helps students to improve their writing through application of these grammar concepts. In addition, solutions to common writing mistakes are covered.

Language Arts 11 – level 3 (1 credit)

Students will be required to complete a literature class. In addition they will take the course Writing 11 which includes creative writing, essay writing, and research paper writing (APA format – 8 pages). The class introduces more advanced grammar concepts and helps students to improve their writing through application of these grammar concepts. In addition, solutions to common writing mistakes are covered.

Language Arts 11 – level 4 (1 credit)

Students will be required to a literature class (reading a total of 22 books). In addition they will take the course Writing 11 which includes creative writing, essay writing, and research paper writing (APA format – 10 pages). The class introduces more advanced grammar concepts and helps students to improve their writing through application of these grammar concepts. In addition, solutions to common writing mistakes are covered.

Language Arts 11 – level 5 (1 credit)

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Students will be required to complete a literature class (reading a total of 22 books). In addition they will take the course Writing 11 which includes creative writing, essay writing, and research paper writing (APA format – 15 pages – or two research papers 8 pages in length). The class introduces more advanced grammar concepts and helps students to improve their writing through application of these grammar concepts. In addition, solutions to common writing mistakes are covered.

Language Arts 12 – level 2 (1 credit)

Students will be required to complete a literature class. In addition they will take the course Writing 12 which includes how to write up a resume, accurately complete forms, write a business letter and a business email, write a letter of complaint, accurately take meeting minutes, create ad copy, write a book/product review, and other business/technical types of writing. They will also learn how to write a good college application essay and a research paper (Chicago Manual of Style format – 10 pages).

Language Arts 12 – level 3 (1 credit)

Students will be required to complete a literature class. In addition they will take the course Writing 12 which includes how to write up a resume, accurately complete forms, write a business letter and a business email, write a letter of complaint, accurately take meeting minutes, create ad copy, write a book/product review, and other business/technical types of writing. They will also learn how to write a good college application essay and a research paper (Chicago Manual of Style format – 10 pages).

Language Arts 12 – level 4 (1 credit)

Students will be required to complete a literature class (reading a total of 25 books). In addition they will take the course Writing 12 which includes how to write up a resume, accurately complete forms, write a business letter and a business email, write a letter of complaint, accurately take meeting minutes, create ad copy, write a book/product review, and other business/technical types of writing. They will also learn how to write a good college application essay and a research paper (Chicago Manual of Style format – 10 pages).

Language Arts 12 – level 5 (1 credit)

Students will be required to complete a literature class (reading a total of 30 books). In addition they will take the course Writing 12 which includes how to write up a resume, accurately complete forms, write a business letter and a business email,

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write a letter of complaint, accurately take meeting minutes, create ad copy, write a book/product review, and other business/technical types of writing. They will also learn how to write a good college application essay and a research paper (Chicago Manual of Style format – must write two paper 10 pages in length).

List of Literature classes available

World Literature and Composition I

This class will cover books from authors that write about and influence cultures worldwide. Students will be expected to read books, short stories and poetry. Assignments include essay writing, summative exercises, comprehension questions, defining literary terms, reading, and understanding background of the text. At some points, students will have the option of choosing something creative over comprehension questions being answered. Students are expected to participate in discussion.

World Literature and Composition II

This class will cover some of the books from authors around the world that help us understand various cultures and times. Students will be expected to read books, short stories and poetry. The teaching format will be lecture with note taking, class discussion groups, quizzes, and cumulative tests (mid-term and final exams). Class participation will be a core piece of the student's grade. The student will read each book independently, and there will be an accompanying study guide to fill out as the reading is done.

Ancient World Literature

This class will cover some of the books from authors around the world including creation stories, myths, fairy tales, ballads and plays that help us understand various cultures and times. Students will be expected to read books, short stories and poetry. The teaching format will be lecture with note taking, class discussion groups, quizzes, and cumulative tests (mid-term and final exams). Class participation will be a core piece of the student's grade. The student will read each book independently, and there will be an accompanying study guide to fill out as the reading is done.

British Literature and Composition

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This class will cover British books and authors that have influenced our culture. Students will be expected to read books, short stories and poetry. The teaching format will be lecture with note taking, class discussion groups, quizzes, and cumulative tests (mid-term and final exams). Class participation will be a core piece of the student's grade. The student will read each book independently, and there will be an accompanying study guide to fill out as the reading is done.

20th Century Literature and Composition

This class will include books that have been written within the last century and help us understand the culture of this time. Students will be expected to read books, short stories and poetry. The teaching format will be lecture with note taking, class discussion groups, quizzes, and cumulative tests (mid-term and final exams). Class participation will be a core piece of the student's grade. The student will read each book independently, and there will be an accompanying study guide to fill out as the reading is done.

American Literature and Composition

This class will cover books that showcase American authors and American culture. Students will be expected to read books, short stories and poetry. The teaching format will be lecture with note taking, class discussion groups, quizzes, and cumulative tests (mid-term and final exams). Class participation will be a core piece of the student's grade. The student will read each book independently, and there will be an accompanying study guide to fill out as the reading is done.

Great Christian Writer's Literature and Composition

This class will cover books written for and about Christians throughout the world. Students will be expected to read books, short stories and poetry. The teaching format will be lecture with note taking, class discussion groups, quizzes, and cumulative tests (mid-term and final exams). Class participation will be a core piece of the student's grade. The student will read each book independently, and there will be an accompanying study guide to fill out as the reading is done.

Exploring Literature

Students will identify literary devices and their effects within short stories, poems, and a novel. Additionally, students will learn to analyze a short story and write a literary analysis essay, focus on character analysis, read works of nonfiction and fiction to compare real life individuals with fictionalized characters, and learn how to identify types of characterization and how to create character arcs. Students will also explore poetry and drama. Figurative language will be identified and studied for understanding, learn to compare and contrast similar works of literature, including poems, short stories, and novels. A creative writing will be required.

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Students will answer comprehension questions, complete basic literary analysis, and actively participate in student-led discussions

Ancient Literature and the Bible

This class is for students who are developing literary analysis skills and are beginning to apply critical thinking skills to literary works. Understanding and appreciating quality literature is a goal of this class. While exploring classical works, students will seek to discern the author's worldview, the cultural and timely significance of the work, and the central message of the text. Additionally, students will compare and contrast selections from the Bible with the literary works read.

Literature Through Cinematic Analysis

This is a class geared toward the visual learner. Students who struggle with reading may be more apt to explore the rich and interesting literary elements that are taught and discussed in traditional English classes if they can SEE them, and movies provide that opportunity. If your student does not like reading or has a schedule that demands rigorous amounts of reading in other classes, this course may be a good fit. We will watch, discuss and write about films that have well-crafted characters to study, rich themes waiting to be discovered and settings that challenge the minds of the audience. We will spend two weeks on each film and watch 15 films during the school year. Class participation is essential to overall success, and weekly writing assignments must be completed to earn course credit. Assignments will consist of questions and an essay or short creative or personal response paper related to the characters, themes, settings and more in the films we watch.

Social Science Courses

Ancient World History – level 2 (1 credit)

The students will study ancient history from creation through the Middle Ages and learn how it helps us to understand the times in which we live. Each unit will last 4-6 weeks, ending with a test. At the end of each unit, the students will make a presentation on a topic from the unit that interested them.

Ancient and Medieval World History – level 3 (1 credit)

Employing lecture, textbook, activity and project format, this course will present a lively survey of world history from earliest times around the world through the Renaissance. History doesn't have to be boring to be applicable to life! The first semester will include: Ancient history and the Bible, Ancient India, Africa, American cultures, Ancient Egypt, Greece, Rome, Celts, and Goths. The second semester will cover: China, Japan, Franks, Charlemagne, Vikings and the Middle Ages. The themes that will be emphasized are the cultural and technological changes

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that affected spreading of ideas and religion. (i.e. Roman roads enabled spread of gospel all over the known world...), Governmental evolution and the cultural and technological changes that affected it, and battles and the cultural and technological changes that affected them. The teaching format will be: lectures, textbook homework, projects, tests, simulation games and papers. Students will receive weighted grade-scores in attendance and participation, homework, as well as test, problem-based learning (PBL) paper and project grades.

Ancient and Medieval World History – level 4 (1 credit)

The level 4 version of this course will go into more detail and require more reading and individual projects than the standard level 3 course. The first semester will include: Ancient history and the Bible, Ancient India, Africa, American cultures, Ancient Egypt, Greece, Rome, Celts, and Goths. The second semester will cover: China, Japan, Franks, Charlemagne, Vikings and the Middle Ages. The themes that will be emphasized are the cultural and technological changes that affected spreading of ideas and religion. (i.e. Roman roads enabled spread of gospel all over the known world...), Governmental evolution and the cultural and technological changes that affected it, and battles and the cultural and technological changes that affected them. The teaching format will be: lectures, textbook homework, projects, tests, simulation games and papers. Students will receive weighted grade-scores in attendance and participation, homework, as well as test, problem-based learning (PBL) paper and project grades. The level 4 students will have 60 hours of additional work versus the level 3 class including extra reading, papers, and chapter questions.

Ancient and Medieval World History – level 5 (1 credit)

The level 5 version of this course will go into more detail and require more reading and individual projects than the level 3 and 4 courses. The first semester will include: Ancient history and the Bible, Ancient India, Africa, American cultures, Ancient Egypt, Greece, Rome, Celts, and Goths. The second semester will cover: China, Japan, Franks, Charlemagne, Vikings and the Middle Ages. The themes that will be emphasized are the cultural and technological changes that affected spreading of ideas and religion. (i.e. Roman roads enabled spread of gospel all over the known world...), Governmental evolution and the cultural and technological changes that affected it, and battles and the cultural and technological changes that affected them. The teaching format will be: lectures, textbook homework, projects, tests, simulation games and papers. Students will receive weighted grade-scores in attendance and participation, homework, as well as test, problem-based learning (PBL) paper and project grades. The level 5 students will have 120 hours of additional work versus the level 3 class including extra reading, papers, and chapter questions.

United States History – level 2 (1 credit)

This class will cover United States history from the Plymouth colony through the 20th century. Each unit will last 4-6 weeks, ending with a test. At the end of each unit, the students will make a presentation on a topic from the unit.

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United States History – level 3 (1 credit)

This history class will cover United States history from the Plymouth Colony through the early 20th century. The teaching format will be: lectures, textbook homework, projects, tests, simulation games and papers. Students will receive weighted grade-scores in attendance and participation, homework, as well as test, problem-based learning (PBL) paper and project grades.

United States History – level 4 (1 credit)

This history class will cover United States history from the Plymouth Colony through the early 20th century. The teaching format will be: lectures, textbook homework, projects, tests, simulation games and papers. Students will receive weighted grade-scores in attendance and participation, homework, as well as test, problem-based learning (PBL) paper and project grades. The level 4 students will have 60 hours of additional work versus the level 3 class including extra reading, papers, and chapter questions.

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Modern World History – level 3 (1 credit)

This history class will cover World history from the age of exploration through the early 20th century. The teaching format will be: lectures, textbook homework, projects, tests, simulation games and papers. Students will receive weighted grade-scores in attendance and participation, homework, as well as test, problem-based learning (PBL) paper and project grades.

Modern World History – level 4 (1 credit)

This history class will cover World history from the age of exploration through the early 20th century. The teaching format will be: lectures, textbook homework, projects, tests, simulation games and papers. Students will receive weighted grade-scores in attendance and participation, homework, as well as test, problem-based learning (PBL) paper and project grades. The level 4 students will have 60 hours of additional work versus the level 3 class including extra reading, papers, and chapter questions.

Modern World History – level 5 (1 credit)

This history class will cover World history from the Age of Exploration through the early 20th century. The teaching format will be: lectures, textbook homework, projects, tests, simulation games and papers. Students will receive weighted grade-scores in attendance and participation, homework, as well as test, problem-based

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learning (PBL) paper and project grades. The level 5 students will have 120 hours of additional work versus the level 3 class including extra reading, papers, and chapter questions.

Geography – level 3 (.5 credit)

Students will spend half of each class studying the physical geography of the world (such as climate, mountains, rivers, etc.) and the other half studying some of the people & cultures of the 7 continents. We will spend roughly two weeks on each continent. There will be homework assignments from the textbook & some in- class hands-on activities as well.

Civics/US Government – level 2 (.5 credit)

This class will cover the history of American Government as well as important documents that influenced the founding fathers. Includes study of the Declaration of Independence & the Constitution, important court cases, citizenship, how to be a responsible citizen and how elections work. Homework will include reading from textbooks as well as other assignments.

Civics/US Government – level 3 (.5 credit)

This class will cover (in more depth than the level 2 class) the history of American Government as well as important documents that influenced the founding fathers. Includes study of the Declaration of Independence & the Constitution, important court cases, citizenship, how to be a responsible citizen and how elections work. Homework will include reading from textbooks as well as other projects.

Economics – level 2 (.5 credit)

This class will cover economic systems used around the world including capitalism, communism, socialism, etc. The students will learn about how & why these systems are used in various countries. Homework will include reading, vocabulary & chapter questions, and webquests, etc. There is one group project.

Economics – level 3 (.5 credit)

This class will cover economic systems used around the world including capitalism, communism, socialism, etc. in more detail than for the level 2 class. Students will learn about how & why these systems are used in various countries. Homework will include reading, vocabulary & chapter questions, and webquests, etc. Extra projects will be given.

Introduction to Psychology – level 3 (.5 credit)

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This course will introduce you to the major areas of psychology, but from a Christian worldview. Topics covered include: the brain, perception, genetics, learning, history of psychology, communication, needs and motivation, personality, sleep and dreams, abnormal psychology, and careers in psychology.

Introduction to Psychology – level 4 (.5 credit)

This course will introduce you to the major areas of psychology, but from a Christian worldview. Topics covered include: the brain, perception, genetics, learning, history of psychology, communication, needs and motivation, personality, sleep and dreams, abnormal psychology, and careers in psychology. In addition there are enrichment activities and/or papers that will be required for this level 4 class.

Sociology I– level 3 (.5 credit)

Class time will involve lively discussion and some lecture as well as video clips about sociological topics. Homework will consist of reading the background chapter. Topics of discussion will be assigned to the students who will present the info to the class for discussion. Main idea questions and/or worksheets will be assigned to assess students understanding. Topics: Unit 1: Sociological Point of View; cultural diversity, conformity, and adaptation; Social Structure. Unit 2: The Individual in society. Unit 3: Social Inequality; racial and ethnic relations; gender, age, and health. Unit 4: Social Institutions – the family; economic and political institutions; education and religion; science and the mass media. Unit 5: Population changes; urban life; collective movements; social movements

Sociology II – level 3 (.5 credit)

Class time will involve lively discussion and some lecture as well as video clips about sociological topics. Homework will consist of reading the background chapter. Topics of discussion will be assigned to the students who will present the information to the class for discussion. Main idea questions and/or worksheets will be assigned to assess students' understanding. Topics will include: social inequality and systems of stratification, the American class system and poverty, racial and ethnic relations and patterns of intergroup relations and minority groups, gender age and health, social institutions including family structures and cultural diversity, the changing social world as a function of populations and urbanization, collective behavior and social movements, the sociology of education and religion and sociological imagination and perspective.

Foreign Language Courses

Spanish I – level 3 (1 credit) Spanish I is appropriate for students with little or no previous Spanish learning. The course will emphasize speaking, listening, reading, and writing. Present tense regular and irregular verb conjugations and other

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grammar elements will be introduced. Geography, culture, memory verses, music, cuisine, and other cultural aspects will be included to supplement the text.

Spanish II – level 3 (1 credit) Spanish II is for students who have completed Spanish I. It will continue to emphasize speaking, listening, reading, and writing in addition to introducing present tense irregular verb conjugations, the present progressive tense and the past perfect tense. In addition, other grammar elements will be introduced. Geography, culture, memory verses, music, cuisine, and other cultural aspects will be included to supplement the text.

Advanced Spanish I – level 3 (1 credit)

This course is appropriate for students who have completed Spanish 2 or a similar course. The course of study will focus on the language elements of speaking, listening, reading and writing. Over the year, students will learn new vocabulary, review and learn new verb tenses (e.g. the preterite and the imperfect) and grammar elements, memorize Bible verses, practice de-coding skills and translations. Grammar is introduced in context, as well as studied separately. Cultural elements will be explored as well. Emphasis is placed on using personal resources and knowledge to communicate with native speakers. Interaction activities will allow students to practice their skills.

Advanced Spanish II – level 3 (1 credit)

This course is appropriate for students who have completed Advanced Spanish or a similar course. The course of study will focus on the development of more advanced reading, writing, listening and speaking. Students will further build on vocabulary, review and learn new verb tenses (e.g. the future and the conditional), and grammar elements, memorize passages and further their de-coding and translation skills. Students complete an in-depth geography study of a Spanish-speaking country culminating in a 5 – 10 page research paper (in Spanish) and an oral presentation (in Spanish). Additional cultural elements including music, cuisine, history, current events and others will be explored via guest lectures, media and other enriching resources.

French I – level 3 (1 credit)

French I is geared for students who have not taken any French. The main emphasis will be on teaching vocabulary, grammar, conversational skills, reading French poetry, nursery rhymes, and some easy readers in French. Present and imperative tense will be covered. Geography, culture, memory verses, music, cuisine, and other cultural aspects will be included to supplement the text.

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French II – level 3 (1 credit)

French II is geared for students who have taken French I. The main emphasis will be on continuing teaching vocabulary, grammar, conversational skills. French poetry, nursery rhymes, and reading some books in French. Past and future tense will be covered. Geography, culture, memory verses, music, cuisine, and other cultural aspects will be included to supplement the text.

French III – level 3 (1 credit)

French III is for students who have successfully taken French II. The main emphasis will be a continuation of teaching vocabulary, verbs (additional tenses), grammar, reading and translation, poetry and books in French. Geography, culture, memory verses, music, cuisine, and other cultural aspects will be included to supplement the text.

American Sign Language I – level 3 (1 credit)

This course is appropriate for students who have no knowledge of Sign Language but they will learn to function comfortably in a wide variety of situations in the Deaf Community. The course of study will focus on appropriate cultural behaviors such as directing and maintaining attention, vocabulary and sentences for introducing oneself, exchanging personal information, talking about surroundings/giving directions, telling where you live, talking about your family, and telling about activities. Grammar is introduced in context, with an emphasis on developing question and answering skills. The student will learn conversational strategies to help them maintain a conversation. Interaction activities will allow them to rehearse what they've learned.

American Sign Language II – level 3 (1 credit)

This course is the continuation of ASL I, Units 1-6. Each unit in ASL II (Units 7-12) builds upon the topics, vocabulary and grammar introduced in previous lessons in the Signing Naturally series. The course of study will focus on further development of advanced beginner/intermediate conversational skills with emphasis on appropriate cultural behaviors, developing structures, vocabulary, grammatical features, and expressive/ receptive skills. The student will learn more in depth conversational strategies such as controlling the pace of conversation and resuming conversations after an interruption. ASL II encourages students to talk about people in a more abstract way and to talk about the environment outside of the classroom. Students also learn to narrate events that occurred in the past, as opposed to telling what is happening currently. Interaction activities will allow them to rehearse what they've learned. The student will attend at least two (2) social functions at which members of the Deaf community are present.

American Sign Language III – level 3 (1 credit)

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This course is the continuation of ASL II. Each unit in ASL III builds upon the topics, vocabulary and grammar introduced in previous lessons in the Signing Naturally series. The course of study will focus on further development of advanced beginner/intermediate conversational skills with emphasis on appropriate cultural behaviors, developing structures, vocabulary, grammatical features, and expressive/receptive skills. The student will learn more in depth conversational strategies such as controlling the pace of conversation and resuming conversations after an interruption. Level III continues to encourage students to talk about people in a more abstract way and to talk about the environment outside of the classroom.. Interaction activities will allow them to rehearse what they've learned. The student will attend at least two (2) social functions at which members of the Deaf community are present.