



COURSE CATALOG

www.kcalions.com

(423)335 - 5466

CONTENTS

GENERAL INFORMATION

History of KCA	3
Admissions	3
Adding and Dropping Classes	4

COURSE DESCRIPTIONS

Elementary	
Art	5
Science	6
Writing/Grammar/Literature	7
Music	9
Middle School and High School	
Foreign Language	10
Writing/Literature	11
Mathematics	13
Science	14
Electives	15

APPENDIX

Class Sequence for Elementary Classes	18
Class Sequence for Middle School/High School Classes	19

GENERAL INFORMATION

HISTORY OF KCA

In the spring of 2005, a group of parents met together to discuss the need for a new alternative in education. The need grew out of their shared desires to be serious and active in carrying out their unique responsibilities as parents in the total education of their children. Their known alternatives at the time were traditional public (including charter), traditional private, and home schooling. While discussing each alternative, they discovered that, while each had its positive aspects, all were in some way less-than-ideal for their family's needs or life situations. Prayerfully, they agreed to work together to start a new school that represented a different alternative – one that incorporated positive aspects from the others while embodying its own special set of characteristics. The result of their efforts was the formation of KCA, a private school that currently serves 1st-12th grade students the Tri-Cities, TN area and beyond.

KCA is a unique resource that utilizes a university-type schedule and a teacher-parent integrated instructional approach to produce a high level of academic achievement while enabling strong ties between parents and their children. The resource is a concrete expression of an educational model in which two proven elements of educational success – the professional classroom instruction of a teacher and the caring at-home mentoring of a parent – are combined into a single, unified, college-simulated program. Other proven elements of the school's program include character education, low student/teacher ratios, hands-on learning, a strong student work ethic, an effective college-preparatory curriculum, character-building student activities, and servant-minded local operation and management.

NON-DISCRIMINATORY POLICY

KCA makes no distinction in its admission or operating policies with regard to an individual's race, color, or national and ethnic origin.

ADMISSIONS

KCA makes available individual courses for parents to select for their children, and only those children accepted for admission may register for the courses offered.

KCA is accountable only for the courses selected and attempted on our campus. Any course instruction received at other schools or instruction provided through home education is the responsibility of the parent.

PARENT AND STUDENT RESPONSIBILITIES

KCA is essentially a resource school for home schooled families. Because of this, both parent involvement and student cooperation are essential if the school is to successfully fulfill its mission, a mission of partnering with families in the education of our children

ADDING AND DROPPING COURSES

Withdrawal from all Classes

Courses may be added to a student's initial registration no later than the end of the first full week of classes, provided that the student is in good standing with the school and that space for him or her is available in the desired course. Parents may drop a course from a student's schedule by submitting a drop/add form online.

The drop/add form must be submitted online by the drop date found on the Drop/Add webform in the family portal. Tuition will not be refunded if a student withdraws from a class after the drop date.

Dropping a Class

If you need to add or drop a class, please complete the Drop/Add form found in the WebForms section of Family Portal.

Withdrawing From all Classes

If you plan to withdraw from all classes, please complete the Intent to Withdraw form online. This, too, is found in the WebForms sections of Family Portal.

Kingsport Christian Academy meets its financial responsibilities solely through the financial commitment and donations of the participating families. We receive no subsidies from other sources. Therefore, the ongoing program is dependent on the timely fulfillment of each family's financial commitment. All classes are considered one-year classes and will be billed accordingly.*

All classes at KCA are dependent on a minimum student enrollment. Classes can be cancelled if the minimum number of students is not enrolled by the enrollment deadline. Classes vary from year to year, so please consult the current class schedule to verify that a class you would like to take is actually offered during the school year in question.

COURSE DESCRIPTIONS

KCA feels that elementary aged children (children in 6th grade and below) should receive the majority of their instruction under the direct supervision of their parents. Therefore, only a limited number of classes will be offered for these grades. As children mature there will be more opportunities for them to take additional classes at KCA.

ELEMENTARY

ELEMENTARY ART

At KCA the primary goals of the Fine Arts program are to promote among our students a more Godly approach to both the practice and the enjoyment of the arts and to prepare them for more effective ministry to others. We hope to accomplish this not only by encouraging the development of technical and artistic skills but also by promoting a greater understanding of the value of the arts in developing critical thinking skills and an improved ability to employ the communicative power of the arts as a means of reaching out to others.

1st – 6th grade Art

Students study the great masters of art such as Degas, DaVinci, Michelangelo, Rembrandt, Renoir, Mondrian, and Van Gogh. They study the life of each artist and the contributions each made to the arts. Students will learn to implement the art principles that correspond with the artist they have just been introduced to. Additionally they will use the techniques and styles of these masters to create their very own masterpieces. Throughout the course of the year the children develop their own unique artist style and art portfolio.

Course Prerequisites: Minimum Age – 6. Students should register for the class that corresponds with his/her academic grade level.

Six year rotation:

- Year 1: Ancient
- Year 2: Renaissance
- Year 3: American
- Year 4: Baroque
- Year 5: Impressionist/Post Impressionist
- Year 6: Contemporary/Modern

ELEMENTARY SCIENCE

The primary goals of the science department are to teach essential scientific concepts, skills, and methodologies, to encourage the development and appropriate use of higher-level thinking skills, and to help students better understand the Creator-creation relationship, while balancing the acquisition of scientific knowledge with the application of valid problem-solving skills and methodologies. All elementary science classes are examined in light of God's Word and His awesome power as Creator of all things. Texts concentrate on a particular area of science and will rotate each year.

Elementary Apologia Science Grades 1 - 4 - Author: Jeannie Fulbright **(4 year rotation)**

Astronomy

Explore the farthest reaches of God's creation in astronomy. This curriculum features solar system, the stars, and beyond. Will tour the universe with our sun, the planets, the asteroid belt, dwarf planets, and the Kuiper belt. Learn about the stars by exploring galaxies, nebulae, and even black holes as they reveal the marvel and might of our loving Creator.

Botany

This class is an in-depth study of the plant kingdom written at a young student's comprehension and grade level. This curriculum delves into plant taxonomy, binomial nomenclature, plant reproduction, angiosperm, gymnosperm, and sporangia – both vascular and non vascular. Each lesson ends with a related experiment.

Zoology I

All the animals we know of that fly or have ever flown are studied in this course. One special feature is that every lesson ends with a scientific experiment that will help teach your child to both understand the scientific method, with controls, variables, and measurement devices, as well as how to design an accurate scientific experiment on their own.

Zoology II

Dive into the world of marine animals! Zoology II presents information with a strong creationist viewpoint. This is a this detailed book containing chapters on aquatic animals, whales, seals, fish, sharks, reptiles, Cephalopods and many other creatures you didn't even know existed! Narration may be used with younger children; note booking and "ocean box" activities are included at the end of each chapter for all grade levels.

Zoology III

This third book in the zoology series takes students on a safari through jungles, deserts, forests, farms, and even their own backyard to explore, examine and enjoy the enchanting creatures God designed to inhabit the terrain. Students will discover the amazing animals from primates to parasites, kangaroos to caimans, and turtles to terrifying T-Rex- this safari doesn't end there! Students will also keep a record of where each animal is found on a map and learn to identify animal tracks.

Elementary Apologia Science Grades 4th through 6th - Author: Jeannie Fulbright
(2 year rotation)

Anatomy and Physiology* (Recommended 4th or 5th grade)

From the brain in their head to the nails on their toes, students will encounter fascinating facts, engaging activities, intriguing experiments, and loads of fun as they learn about the human body and how to keep it working well.

Chemistry/Physics* (Recommended 4th or 5th grade)

Students will cover the foundational elements of the universe and the building blocks of creation with *Exploring Creation with Chemistry and Physics!* Study how the universe functions through this exploration of matter and energy; lessons cover atoms and molecules, pH levels, types of mixtures, mechanics, laws of motion, dynamics of motion, energy, waves, light, machines, magnets, and more.

****These two classes will be offered on a rotational basis, every other year.***

General Science (Recommended 6th grade)

General Science explores broad topics such as the scientific method, designing experiments, simple machines, geology, archaeology, biology, and more, with a large focus on Earth Science (astronomy, meteorology, oceanography, earth study, geology, paleontology, and environmental science). Hands-on experiments will be included in classtime. Students will learn how to complete experiments, how to identify important parts of information they read, and how to take notes.

Course Prerequisites for all Elementary science classes: Minimum Age – 6. Students should register for the class that corresponds with his/her academic grade level.

ELEMENTARY LITERATURE/WRITING CLASSES

The KCA Elementary Language Arts offerings include two tracks which can be taken side by side. Track One is the Grammar Literature class offering which is a three year series including *Introduction to Elementary Grammar and Literature Year 1*, *Introduction to Elementary Grammar and Literature Year 2* and *Elementary Literature and Grammar Year 1* and *Elementary Literature and Grammar Year 2*. These classes address the foundations of grammar and literature studies.

Track Two is a three year series including *Writing 1*, *Writing 2*, and *Writing 3* which teach writing using the Institute for Excellence in Writing Curriculum. Students may take a Track One class alongside a Track Two class in the same school year. Suggested grade levels and pre-requisites for these classes can be found below. Parents who have questions about which classes might be most appropriate for their student may contact the administrator.

Track One: Grammar and Literature

Introduction to Elementary Grammar/Literature - Year 1 offered 2024/2025 (3rd/4th grade)

Introduction to Elementary Grammar/Literature - Year 2 offered 2023/2024 (3rd/4th grade)

These two courses are on a two-year rotation. Either year may be taken first. Year 1 is not a pre-requisite for Year 2. Using a variety of learning methods, students will be introduced to the foundations of written language. Grammar topics will include parts of speech and how they combine together to form sentences. Mechanics of writing will include capitalization, punctuation and spelling. This is a 2 year rotation curriculum. Year 1 will cover fables, short stories and storytelling along with a novel study. Students will read a variety of stories as they begin to examine literary elements (plot and setting). Year 2 will have two novel studies. Additional curriculum will be the Total Language Plus goal of improving reading competency, vocabulary and spelling. Total Language Plus curriculum will be purchased by KCA and is included in the student's lab fee in October. Novels will be provided by parents.

The students will need to bring the novel they are reading to class each day.

Course Prerequisites: Student should be in at least the 3rd grade and independently reading on grade level for both Intro to Lit Grammar classes

Elementary Grammar/Literature -Year 1 (5th/6th grade) offered 2023/2024

Elementary Grammar/Literature - Year 2 (5th/6th grade) offered 2024/2025

These two courses are on a two year rotation. Either year may be taken first. Year 1 is not a pre-requisite for Year 2. Students will read several age appropriate novels and use the corresponding Total Language Plus workbook to cover vocabulary, spelling, reading comprehension and response writing. There will be two literature book readings required for this class. Titles and authors of required reading can be found on the KCA school year booklist – separate document. Total Language Plus curriculum will be purchased by KCA to get a group discount and is included in the student's lab fee in October. Novels will be provided by parents.

The students will need to bring the book they are reading to class each day.

Course Prerequisites: Successful completion of Intro to Grammar/Literature or teacher approval

Track 2: Writing

Elementary Writing 1 (4th/5th grade)

This is an entry level class into the world of writing. Some grammar will be incorporated into the class. Students will learn how to effectively use a wide range of structural models and stylistic techniques in their compositions, as they write on a variety of enjoyable fiction and non-fiction topics. Some of the main concepts covered are keyword outlining, summarizing text from notes, narrative writing, and reports. Students will be taught Key Word Outlining (KWO), Story Sequence Chart, Summarizing a Reference, Reports from Multiple References, Creative Writing, Writing from Pictures and Research Reports. Techniques taught will include the six dress-ups, some sentence openers, banned words, and the Topic/Clincher paragraph rule. The Institute for Excellence in Writing will be used as the basis for teaching the writing process. Minimal typing is required by the student or parent.

Course Prerequisites: Intro or Teacher Approval (basic knowledge of grammar concepts)

Elementary Writing 2 (5th/6th grade)

This course is intended to build upon the student's knowledge of writing by giving them experience in applying what they have been taught in previous courses. This course covers all areas of writing (Key Word Outlines and writing from notes, Summarizing Reference Material, Oral Reports, Narrative Stories, Research reports with bibliographies in Formal Essay Format, Creative Writing from a prompt and Writing from Pictures). Some grammar will be covered throughout the course. Minimal typing is required by the student or parent.

Course Prerequisites: Successful completion of Writing 1 or teacher approval

Elementary Writing 3 (6th/7th grade)

Middle School Writing III is a one-hour writing class for 6 th through 8th graders with proficiency in basic grammar concepts. This class will NOT complete language arts requirements. Parents will still need to provide literature comprehension along with grammar mechanics at home or at KCA. After a quick review of IEW writing concepts such as Keyword outlining and summarizing, the first semester of Writing III will explore public speaking, taking notes from a lecture, the expanded essay with citations, and critiques. The second semester will focus on analyzing poetry along with writing different types of poetry.

Course Prerequisites: Successful completion of Writing 2 or teacher approval

ELEMENTARY MUSIC

The elementary music curriculum will be designed to provide joyful experiences for the children, while helping them to develop skills for success in the music classroom, but will also carry over into other academic and nonacademic areas. It will provide for creativity and spontaneity as well as structure. A hymn is learned and memorized each month to reflect on God as Creator, Redeemer, and King. A fun, hands-on, multi-sensory music class with an abundance of folk songs, dances and musical games.

Goals:

- to read music by learning solfege, singing, playing a vast variety of percussion instruments- pitched and unpitched
- learn to play recorders that teaches students melodic direction and notes on the treble clef staff
- learn to play ukuleles, how to read and play chord charts
- learn to sing/play in an ensemble.
- music appreciation in listening activities each week to introduce classical pieces, composers, and time periods.
- musical terminology, note values and theory are taught in small chunks throughout the year for understanding.

Two performances are given each year, December and April (Elementary Showcase)

Course Prerequisites: None

MIDDLE SCHOOL AND HIGH SCHOOL COURSES

FOREIGN LANGUAGE

The primary goals of the foreign language department are to help students gain proficiencies in the use of a second language, to encourage the development of skills which will help students better understand and utilize the communicative power of languages in general, and to help students develop a greater awareness of, interest in, and increased appreciation for the people of other cultures.

Spanish 1

Semesters: 2

Credits Earned: 1

Spanish 1 is the first in a two year, proficiency-oriented Spanish language program, the major goal of which is to enable students to become capable of creative self-expression in Spanish. Beginning with an introduction of commonly used expressions, this course goes on to include basic coverage of nouns, pronouns, adjectives, adverbs, present and preterit verb tenses and interrogatives in the context of simple expression and conversation.

Course Prerequisite: Students must be in 8th grade or higher in order to register for this class.

Spanish 2

Semesters: 2

Credits Earned: 1

Spanish 2 is the second in a two year, proficiency-oriented Spanish language program, the major goal of which is to enable students to become capable of creative self-expression in Spanish. Beginning with an introduction designed to review the major elements of the student's first year of Spanish, the course goes on to cover more advanced adjectival and adverbial forms and the remainder of the Spanish verbal tenses, all in the context of a wealth of information about Spanish cultures and language.

Course Prerequisites: Successful completion of the previous course in the KCA Spanish sequence during the preceding school year or teacher and administrative approval based on a placement test completed by the student and evaluated by the Spanish teacher.

WRITING AND LITERATURE

The two major goals of the KCA English and language arts program are to develop and refine student skills in both oral and written communication and to promote an understanding of and appreciation for fine literature. We believe that the first goal can best be accomplished through an instructional emphasis on reading and writing proficiencies, and that true achievement in the second can come about only as students are taught to evaluate the world's great literature against the standard of scriptural truth and wisdom. Thus the department seeks to balance the development of communications proficiencies with training in a biblically-based approach to critical thinking skills.

MIDDLE SCHOOL GRADES **GRAMMAR/COMPOSITION CLASSES**

The KCA Middle School Language Arts offerings include Middle School Language Arts 1 and Middle School Language Arts 2 beginning with 7th grade.

Middle School Language Arts 1

Semesters: 2

Credits Earned: none

The study and application of grammar, mechanics, and vocabulary will focus on improving writing skills. Journaling and editing will reinforce what is learned while also improving critical thinking skills. Research skills will be developed through online and library inquiries, culminating in an end-of-year research paper. Speaking skills will be developed through class presentations. Students will be introduced to literary elements, including story arc and literary devices. This class may be paired with Writing III which focuses on the writing process.

Course Prerequisites: Students must be in 7th grade or higher to enroll in this course.

Middle School Language Arts 2

Semesters: 2

Credits: Not eligible for high school credit

Students will be introduced to various genres of writing in the form of a variety of short stories and poetry. Students will be introduced to literary elements, including characterization, story arc, setting, etc. The study and application of grammar and mechanics and vocabulary will enhance their personal writing. Students will get extensive practice composing multiple drafts, learn how to give and receive constructive criticism, and have fun sharing their own creative writing.

Course Prerequisites: Middle School Language Arts 1 or instructor and administrative approval. The student must also be in 7th or 8th grade or up to enroll in this class.

Writing 3 (listed in the elementary section of the course catalog) is also an option for 7th graders. Middle School Writing 3 is a one-hour writing class for 6th through 8th graders with proficiency in basic grammar concepts. This class will NOT complete language arts requirements. Parents will still need to provide literature comprehension along with grammar mechanics at home or at KCA.

HIGH SCHOOL CREDIT CLASSES LITERATURE BASED WRITING CLASSES

English Composition

Semesters: 2

Credits: 1 (when taken as a student in grades 9 – 12)

This course provides students with an initial program of grammar review and comprehensive reading skills. Efficient writing and vocabulary development will be introduced. The student and identification of essential characteristics of short stories, poetry, drama and the novel are also emphasized. This course provides instruction in grammar, vocabulary, oral and written communication skills. It is comprised of a composition program that integrates literature and writing research skills. It is a literature study that blends the classics with the contemporary, instructing the student to examine and analyze short stories, poetry, drama and the novel.

See the KCA Booklist for a complete list of books and authors to be discussed.

Course Prerequisites: None

American Literature

Semesters: 2

Credits Earned: 1 (when taken as a student in grades 10 – 12)

This course provides a survey of selected works in American Literature from Puritanism to present day. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to interpret, analyze, and respond to literary works in their historical and cultural contexts. The Socratic Method as modeled in the Teaching the Classics curriculum will be utilized for this class.

See the KCA Booklist for a complete list of books and authors to be discussed.

Course Prerequisites: Completed English Composition or equivalent (10th–12th grade to enroll)

British Literature

Semesters: 2

Credits Earned: 1 (when taken as a student in grades 10 – 12)

This course provides a survey of selected works in British literature from the Anglo Saxon age to the 20th Century. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to interpret, analyze, and respond to literary works in their historical and cultural contexts. An emphasis is placed upon the wisdom of voices from the past and their ability—as C.S. Lewis says—to shed light on our blind spots in the modern age. The Socratic Method as modeled in the Teaching the Classics curriculum will be utilized for this class. Composition in a variety of essay types is also covered (including both analytic research and persuasive essays) with a goal of proficiency in the written word and demonstration of critical thinking skills preparatory for higher education and adult life holistically.

See the KCA booklist for a complete list of books and authors to be discussed.

Course Prerequisites: Students must be in the 10th – 12th grade

World Literature

Semesters: 2

Credits Earned: 1 (when taken as a student in grades 10 – 12)

This course provides a survey of excellent works not covered in American or British literature with a focus on exploring three of the four main literary genres (fiction, drama, and poetry). Sub genres and types in each genre are also studied (ex: comedy, tragedy, types of poetry, dystopia, etc.). Emphasis is placed on the historical background of the work, cultural context, and literary analysis. Upon completion, students should be able to interpret, analyze, and respond to literary works in their

historical and cultural contexts. Emphasis is placed on understanding the genres, their development and associated terminology as well as how the wisdom of the past can be applied to our current age. The Socratic Method as modeled in the Teaching the Classics curriculum will be utilized for this class. Composition in a variety of essay types is also covered (including both analytic research and persuasive essays) with a goal of proficiency in the written word and demonstration of critical thinking skills preparatory for higher education and adult life holistically.

See the KCA Booklist for a complete list of books and authors to be discussed.

Course Prerequisites: Students must be in 10th – 12th grade to enroll in this class

MATHEMATICS

The mathematics department exists to help students learn to appreciate the orderliness of the creation and, by extension, the Creator; even as they learn to think logically and analytically using highly structured mathematical systems. A concurrent focus on the development of problem-solving skills and methodologies gives the math program an important applications emphasis. Each of our classes is considered academically aggressive and is designed to prepare a student for college level mathematics.

Pre-Algebra

Semesters: 2

Credits Earned: Check with your umbrella school to verify if this course is eligible for HS credit

This course builds upon the essential skills of arithmetic as they apply to algebra. Real numbers and linear equations, linear inequalities, factoring, fractions, graphing and some elements of geometry are stressed. Topics covered include: Use of integers and expressions to solve problems; solving equations; use of decimals in equations; use of rational numbers, exponents, and scientific notation; use of ratios, proportions, and percents; solving inequalities; graphing equations; finding area and volume of various solids.

Algebra I

Semesters: 2

Credits Earned: 1 (when taken as a student in grades 9 – 12)

The text for this course is a highly acclaimed honors text by Paul Foerster. The class will cover topics that include expressions and equations, operations with negative numbers, distributing, axioms, operations with polynomials and radicals, quadratic equations, expressions and equations containing two variables, linear functions, scattered data and probability, properties of exponents, rational algebraic expressions, radical algebraic expressions, as well as inequalities

Course Prerequisites: Successful completion of Pre-Algebra during the preceding school year.

Geometry

Semesters: 2

Credits Earned: 1 (when taken as a student in grades 9 – 12)

This course provides a standard sophomore level course in Geometry. Topics include a basic introduction to geometry including definitions and postulates; an introduction to proofs including two-column proofs; the geometry of parallel lines and planes, congruent triangles, using congruent triangles with other figures, similarity, right triangles, circles, constructions and loci, area and perimeter of polygons, surface area and volume, coordinate geometry and transformations. This class be taken after Algebra I or after Algebra II.

Course Prerequisites: Successful completion of Algebra I during the preceding school year.

Algebra 2

Semesters: 2

Credits Earned: 1 (when taken as a student in grades 9 – 12)

This course covers real numbers and problem solving; equations in inequalities; relations, functions and graphs, systems of equations and problem solving; polynomials and polynomial equations; rational expressions and equations; powers, roots, and complex numbers; quadratic equations; quadratic functions and transformations; equations of second degree; polynomial functions; exponential and logarithmic functions; an introduction to finite math; and trigonometric functions, identities and equations.

Course Prerequisites: Successful completion of Geometry or Algebra I during the preceding school year.

SCIENCE

The primary goals of the science department are to teach essential scientific concepts, skills, and methodologies, to encourage the development and appropriate use of higher-level thinking skills, and to help students better understand the Creator-creation relationship, while balancing the acquisition of scientific knowledge with the application of valid problem-solving skills and methodologies. These classes are considered academically aggressive and are designed to prepare a student for college level science classes.

Life Science w/Lab

Semesters: 2

Credits Earned: 0

Moving from the ground up, students will learn the history of the earth; the soil, rocks, and fossils; oceans, seas, lakes, and rivers; the atmosphere; and space. Special boxes throughout the text provide different notes on items of biblical, earth science, maps/mapping, geographic locations, and information on the changing climate debate. This is not considered a High School credit class.

Course Prerequisites: No math prerequisite; must be in 7th grade or higher to enroll in this class.

Physical Science w/Lab

Semesters: 2

Credits Earned: 1 (when taken as a student in grades 9 – 12) Please check with your umbrella organization to verify that this class will count as a science or elective credit if in 8th grade.

This course is designed to introduce students to the fundamental concepts of the scientific method, the metric system, and the physical sciences. Topics will include the measurement, properties and classification of matter, the atomic structure and models, chemistry, machines, mechanics, heat, electricity, magnetism, vibrations, sound, light, engineering, and electronics.

Course Prerequisites: Successful completion of 7th grade math course.

Biology w/Lab

Semesters: 2

Credits Earned: 1 (when taken as a student in grades 9 – 12)

In this introductory look at biology, students will explore the created world as God designed. They will be engaged in reading, writing, and lab experiments that focus on: the “tools” used in the study of life, the scientific method, classification, biological keys, DNA/RNA, genetics, basic biochemistry, ecosystems, and a survey of the five major kingdoms.

Course Prerequisites: No math prerequisite; students must be in 9th grade and up to enroll in this class.

Chemistry w/Lab

Semesters: 2

Credits Earned: 1 (when taken as a student in grades 9 – 12)

This 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.

Course Prerequisites: It is strongly suggested that students have completed or will be enrolled in Algebra II. A student must be in 9th grade and up to enroll in this class.

Anatomy & Physiology w/Lab

Semesters: 2

Credits Earned: 1 (when taken as a student in grades 10 – 12)

This is an advanced biology course. In order to take this course, the student must have completed a first year biology course and a first year chemistry course. It covers both the anatomy and the physiology of the human body's 11 organ systems in detail. NOTE: the reproductive system is not covered in the classroom.

Course Prerequisites: A student must have completed Biology. Chemistry is highly recommended.

MIDDLE GRADES ELECTIVES CLASSES

Middle School Choir (Grae

Semesters: 2

Credits: Not eligible for high school credit or discuss with umbrella school

This class will cover sight-reading music, vocal technique, music theory, along with solfege and scales to learn relationship of notes and ear training. A variety of musical genres will be covered throughout the year. One major goal of this class is for students to learn to appreciate singing with a group and will have an opportunity to showcase their efforts with live performances: three family performances and several community/assisted-living locations.

Middle School/High School Art

Semesters: 2

Credits Earned: 1 (when taken as a student in grades 9-12)

The Middle School/High School Art Course teaches students the fundamentals of art with an emphasis on aesthetics and composition. Concepts taught include color theory, contour lines, perspective, and shading. Students will engage in drawing, sketching and painting using varied media. Art appreciation for influential artists and art movements are included in the study.

World Geography

Semesters: 1

Credits: Not eligible for high school credit or discuss with umbrella school

This course presents a physical-cultural study of the earth and mankind. It covers geographical terms and categories, culture and government, maps and charts. Additionally, the different regions of the world are discussed, with a chapter for each continent, including vegetation and wildlife, national flags and profiles, cultural insights, famous locations, and famous people that have lived on that continent.

Course Prerequisites: Students must in 7th or 8th grade or up to enroll in this course.

Tennessee History

Semesters: 1

Credits: Not eligible for high school credit or discuss with umbrella school

This course covers Tennessee history, beginning with the earliest inhabitants and continuing through modern times.

Course Prerequisites: Students must in 7th or 8th grade or up to enroll in this course.

HIGH SCHOOL ELECTIVES

Middle School/High School Art

Semesters: 2

Credits Earned: 1 (when taken as a student in grades 9-12)

The Middle School/High School Art Course teaches students the fundamentals of art with an emphasis on aesthetics and composition. Concepts taught include color theory, contour lines, perspective, and shading. Students will engage in drawing, sketching and painting using varied media. Art appreciation for influential artists and art movements are included in the study.

American Government

Semesters: 1

Credits Earned: 1/2 credit (when taken as a student in grades 10 – 12)

This course examines the principles and mechanics of a constitutional republic, with an emphasis on the responsibilities of Christian citizenship within society. It will emphasize biblical and governmental principles, forms of government and democracy, the constitution, federalism, political parties, elections, public policy and politics, the legislative branch, the executive branch, and the judicial branch.

Course Prerequisites: A student must be in 10th grade and up to enroll in this class.

Personal Finance/Economics

Semesters: 1

Credits Earned: 1/2 credit (when taken as a student in grades 10 – 12)

In addition to personal finances and budgeting, this class will cover topics such as the origin and history of money, the economic behavior of the government, the business cycle, inflation, recession, depression, the federal debt, how and why the government impacts the value of money.

Course Prerequisites: A student must be in 10th grade and up to enroll in this class.

US History

Semesters: 2

Credits Earned: 1

This course teaches students about the development of the United States as a nation in order for them to become informed and empowered citizens. The course begins with early American settlement, then moves on through the formation and early years of the nation, the Constitution, the Civil War, US involvement in both World Wars and on into the present day.

Course Prerequisites: A student must be in 9th grade and up to enroll in this class.

World History

Semesters: 2

Credits Earned: 1

This course guides students through the story of history, starting with creation and continuing to the present. Students will study cultures and empires in Africa, the East, Asia, Europe and the Americas. As they trace the major patterns in world history, they will see how those themes point more and more clearly to the triumph of the kingdom of God.

Course Prerequisites: A student must be in 9th grade and up to enroll in this class.

Biblical Doctrines/Christian Worldview

Semesters: 2

Credits Earned: 1

This class will focus on formulating systematic Bible doctrines and thinking critically about how they shape a Christian worldview. The goal of the class is to help the student articulate a worldview that is built on a gospel foundation and solid bible study tools.

Course Prerequisites: A student must be in 10th – 12th grade to enroll in this class.

Class Sequence



ELEMENTARY CLASS SEQUENCE

Science	1st -4th	Astronomy --> Botany/Zoology 1 --> Zoology 2 --> Zoology 3		All elementary classes use the Apologia Elementary Science curriculum and rotate through specific topics/texts based on their grade levels.
	4th-6th	Anatomy/Physiology --> Chemistry/Physics		
	General Science	This class is a transitional class geared toward the following students: advanced 6th grade, younger 7th grade, 6th grade student who has already completed all elementary science classes.		
Art	1st - 6th	Year 1: Ancient	Year 4: Baroque	There is a six year rotation with each year focusing on a particular era and artist. The difficulty of each class is tailored to meet the needs of the students within the grade level of the class.
		Year 2: Renaissance	Year 5: Impressionist/Post Impressionist	
		Year 3: American	Year 6: Contemporary/Modern	
Music	1st - 6th	Each year the musical focus and styles vary with the difficulty of each class being tailored to meet the needs of the students within the class. This class will provide for creativity and spontaneity as well as structure. Student will study the elements of general musics (rhythm, melody/pitch, expression, timbre) and the process of learning music skills allow for creative expression in a wide variety of styles		
Language Arts	1st - 2nd	Due to the wide variance in reading and writing abilities, we offer minimal language arts classes for students in 1st and 2nd grade		
	3rd - 6th	Introduction to Grammar and Literature (3rd/4th)		Total Language Plus and focused grammar lessons are used in these classes. Students must be reading on grade level in order to succeed in these classes.
		Elementary Grammar and Literature (5th/6th)		
	4th - 6th	Writing 1		Excellence in Writing curriculum is used in these classes. Students must be reading on grade level in order to succeed in these classes.
Writing 2				

This class sequence is just a suggestion. Each child is different and may progress faster or slower than other students. Also, please take into account the graduation requirements for your umbrella organization when determining which classes to take for high school credit



Middle School/High School
Class Sequence

MATH	8th - 12th grade	<i>Pre-Algebra</i>	<i>Algebra 1</i>	<i>Algebra 2</i>	<i>Geometry</i>			
		OR						
	<i>Pre-Algebra</i>	<i>Algebra 1</i>	<i>Geometry</i>	<i>Algebra 2</i>				
	<p>Students usually begin this math sequence in 8th or 9th grade, depending on readiness, but <u>must</u> begin Algebra 1 no later than 9th grade in order to meet all graduation requirements within 4 years.</p> <p>Algebra 2 and Geometry can be taken in any order. Most students will need a fourth math beyond these two classes for graduation.</p>							
SCIENCE	7th - 12th grade	<i>Life Science</i>	<i>Physical Science</i>	<i>Biology</i>	<i>Chemistry</i>	<i>Anatomy & Physiology</i>		
		OR						
	<i>Life Science</i>	<i>Physical Science</i>	<i>Biology</i>	<i>Anatomy & Physiology</i>	<i>Chemistry</i>			
	<p>Math and science courses are interdependent, so please verify prerequisites for each.</p> <p>Chemistry and Anatomy & Physiology can be taken in any order, however, students are most successful when Chemistry is taken first.</p>							
COMPOSITION AND LITERATURE	7th grade	<i>Middle School Language Arts 1</i>						
	8th grade	<i>Middle School Language Arts 2</i>						
	9th grade	<i>English Composition</i>						
	10th - 12th grade	<i>American Literature</i>	<i>World Literature</i>	<i>British Literature</i>				
<p>High school literature classes incorporate composition as an integral part of these subjects.</p>								
SPANISH	9th - 12th grade	<i>Spanish 1</i>			<i>Spanish 2</i>			
		<p>Students can begin this sequence at any time, so long as they finish prior to graduation. Also, students must have two years of the same language for graduation.</p>						
ELECTIVES	7th - 8th grade	<i>TN Hist/World Geography</i>		↔	<i>Art</i>	↔	<i>Choir</i>	
	9th - 12th grade	<i>American History</i>	↔	<i>World History</i>	↔	<i>Christian Worldview/ Bible Doctrines</i>	↔	<i>American Government/Economics/ Personal Finance</i>
		<p>These classes can be taken concurrently and in any order.</p>						
<p>Students can earn a limited number of high school credits beginning in the 8th grade. Check with your umbrella organization to verify what classes may count for your student.</p>								

This class sequence is just a suggestion. Each child is different and may progress faster or slower than other students. Also, please take into account the graduation requirements for your umbrella organization when determining which classes to take for high school credit.