

Providence Academy



Course Catalog
2017-2018

TABLE OF CONTENTS

PRIMARY PARENT ROLES.....	3
ELEMENTARY CORE COURSES.....	4
ELEMENTARY SPECIALS	11
MIDDLE SCHOOL COURSES.....	12
MIDDLE SCHOOL ATHLETICS.....	19

Parental Roles in a University-Model® School at Providence Academy Grades K-8

Co-Instructor (Grades K4-4)- In this role, parents will receive instructions from the classroom teacher on a regular basis outlining homework assignments, follow-up study over covered material, and preparation or review needed for the next class. They will also bear the primary responsibility for direct instruction in some aspects of the course, such as handwriting, and in monitoring their child's academic progress (including the timely submission of all assignments).

Private Tutor (Grades 5-8) - In courses involving this role, parents receive instructions from the classroom teacher on a regular basis outlining homework assignments, follow-up study over covered material, and any preparation or review needed for the next class. There may even be a need to bring in an outside tutor for a particular course.

Guide for Dependent Study (Grades 6-8)- These students are at a dependent age where disciplined study habits must be developed through positive encouragement and through the students' growing awareness of personal consequences. In order for these classes to be successful, the teachers are dependent upon parents to make certain their children keep up with the course material assigned and to communicate to teachers if difficulties arise. In some cases, private tutoring might be necessary.

Course Monitor (K-8) - Some courses will involve equipment or expertise which necessitates that teaching be done in the classroom and leaves little for parents at home (Elementary Spanish, Art, Music). This role, therefore, will require the least amount of time by parents, but its importance cannot be understated. The primary responsibility of parents is to track the progress of their children and to monitor how well they are doing. Are they becoming discouraged? Are they enjoying the class? What are the activities being done each day in class? What are they learning? In short, parents need to show an interest and express this to their children. If problems should develop, teachers need to know immediately.

Project Assistant (K-8)- Some courses utilizing this role would include classes with projects or science. The primary responsibility of parents is to track the progress of their children and to monitor how well they are doing. They need to have a sincere interest in their children's class activities and express that interest to their children. Furthermore, help at home might be needed occasionally in support of a particular project. If problems should develop, teachers need to know immediately.

Parent Coach (1-8) - The role of the parent coach is to provide individual practice and instruction to his/her son or daughter at home. The director or team coach will organize the group activity (choir, band, team sport, etc.), direct practices, and communicate to the parent-coaches information and directions concerning regular home practice on individual skills. This role is used primarily for competitive activities.

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ELEMENTARY CORE COURSES

K4 and Kindergarten

K4 (Students must be 4 on or before September 1)

K4-HR

K4 is specially designed to help families transition into the University Model School. Providence's K4 provides a variety of developmentally appropriate activities and materials that emphasize concrete, experiential learning through centers, small groups, and individual work and play. Students learn social skills such as following directions, working together, and listening. Furthermore, students learn letters and sounds through songs and games and spend time journal writing every day. Math lessons are divided into two portions-the meeting and the lesson; this program is designed to alternate between teaching lessons and calendar time. Skills, such as sorting by color, learning patterns, skip counting, measuring, time, graphs and story problems are taught incrementally and based on the students' needs. During centers, students play games to enhance physical development of fine motor skills, enjoy dramatic play, and work in a small group with the teacher. Science will be gently introduced by studying what children are most curious about, the world around them. Most importantly, K4 students develop an understanding and love of God's Word.

Parental Role: Co-Teacher and Course Monitor

Course Pre-requisites: None

Kindergarten (Students must be 5 on or before September 1)

K HR

The Kindergarten class encourages social development, motor skills and a love for God as well as is rich in academic beginnings.

K LA

The Language Arts program focuses on phonemic and phonological awareness skills by helping children build upon their knowledge of letters and sounds to blend, segment, and manipulate them through the use of *Primary Arts of Language*. Students read primers and study sight words which includes the use of plenty of games, activities, and stickers add interest for the

child. Students will be taught how to write, from printing practice and sentence formation to early grammar, story sequence analysis, and writing paragraphs.

K SCI

Students will be introduced to the world of science through observations as they learn from different topics within the major disciplines of science including biology, chemistry, and earth science. Furthermore, the class will develop nature study journals to record their findings.

K SS

The social studies portion is developed by the classroom teacher based on the Texas standards and taught in a unit format. Students will do projects at school and home based on areas such as Texas, Native Americans/Pilgrims, maps, and Presidents. Students will also be exposed to geography in a monthly “Trip Around the World” study.

MATH

In Math (Saxon 1), the children will learn how to skip count by one's, two's, five's and tens, identify ordinal position to tenth, master all basic addition and subtraction facts, measure using inches, feet, and centimeters, and learn calendar skills. The children will also explore how to add quarters, draw polygons, and observe information from real graphs, pictographs, and bar graphs.

Parental Role: Co-Teacher, Course Monitor, and Project Assistant

Course Pre-requisite: Must pass Kindergarten Pre-Assessment

ELEMENTARY CORE BLOCKS

Grade 1

HR 0100

1st Grade Homeroom

SCI 0100

This *Biology* course is designed to introduce early elementary students to the world of animals, human body, and plants. Students will be engaged in reading assignments, vocabulary, experiments and ongoing projects. A highlight of this course is the usage of authentic science resources such as the *Kingfisher First Encyclopedia of Animal* and *DK First Human Body Encyclopedia*.

HIS 0100

Students study *Ancient Times* including the First Nomads, Egypt, the Jewish People, Abraham and Joseph, Hammurabi and the Babylonians, the Assyrians, Ancient China, Ancient Africa, Exodus, the Phoenicians, the Greeks and Rome. This course also includes the teaching of creation, map work, and the reading of nonfiction literature related to the time period.

Parental Role: Co-Teacher and Course Monitor

Course Pre-requisites: Successful completion of Kindergarten or Administrator approval

LA 0100

The first grade language arts curriculum teaches phonics, spelling, writing, and reading through the implementation of *The Primary Arts of Language*. In grammar, students study *First Language Lessons* at home and in school. Lastly, students will take part in literature discussions based on books from the history time era studied and classical books appropriate for their age group.

MATH 0100

First grade math (Saxon 2) covers working with larger numbers, geometric shapes, Venn diagrams, graphs, basic calculations such as addition/subtraction of money and 2-digit numbers, simple fractions, place value to 100 and multi-step problems.

Parental Role: Co-Teacher and Course Monitor

Course Pre-requisites: Successful completion of *MATH* or Administrator approval

Grade 2

HR 0200

2nd Grade Homeroom

SCI 0200

This introductory course to earth science and astronomy uses *the* Usborne First Encyclopedia of Our World *and* Usborne First Encyclopedia of Space. Students participate in a hands-on way to conduct experiments and investigations while studying great scientists in this field of study.

HIS 0200

The Middle Ages covers the Fall of Rome to the Rise of the Renaissance including The Byzantine Empire, Viking invasion, crusades, Martin Luther and more. This course also includes timelines, hands on map work, and the reading of nonfiction titles related to the time era studied.

LA 0200

Second grade language arts builds upon the solid skills of reading and writing that were developed in first grade by using the following curricula to drive instruction, *Spelling Workout B*, *IEW Heroes of the Bible*, and *First Language Lessons*. Ability based guided reading groups are used to strengthen the comprehension, fluency, and decoding needs of each student. Students also explore classic and time era related literature (Middle Ages) to aid in discussion and to practice writing skills.

Parental Role: Co-Teacher and Course Monitor

Course Pre-requisites: Successful completion of all HR 0100 courses or Administrator approval

MATH 0200

In this course (Saxon 3), students learn identifying ordinal positions; adding and subtracting multi-digit numbers; comparing numbers to 1000; dividing by single-digit divisors; adding positive and negative numbers; adding and subtracting fractions; plus measurements, mass, function rules, fractions, coordinate graphs, angles, and lines of symmetry.

Parental Role: Co-Teacher and Course Monitor

Course Pre-requisites: Successful completion of Math HR0100 or Administrator approval

Grade 3

HR0300

3rd Grade Homeroom

SCI 0300

This course introduces 3rd grade students to college-level chemistry concepts such as atoms, molecules, acids, bases, mixtures, chemical reactions, polymers, proteins, and DNA. Students will explore how to make an acid-base indicator, how to identify a chemical reaction, how to make a polymer, and what enzymes do. Also explored are great chemists of the Early Modern time period and elements 1-20 on the periodic table.

HIS 0300

Students study the time period from 1600 to 1850 when the modern nations of the world were developing. In the course, they learn about explorations, revolutions, discoveries, and inventions on every continent and across the seven seas. Students will also be engaged with map work, timelines, and excellent nonfiction literature related to the Early Modern Times.

LA 0300

This comprehensive course teaches grammar, vocabulary, poetics, writing, and literature using a classical approach. In vocabulary, students study the history of language and Latin stems showing that big words can be easy and fun. In grammar, students are introduced to parts of speech, parts of sentence, phrases, and clauses. Formal *IEW* writing lessons use components taught in grammar and vocabulary to produce well-written outlines, summaries, narratives, and essays. Students also explore and analyze classic literature pieces as well as pieces corresponding to their history time period studied.

Parental Role: Co-Teacher and Course Monitor

Course Pre-requisites: Successful completion of all HR0200 courses or Administrator approval

MATH INTERMEDIATE 3

This course covers addition/subtraction facts, fractions, probability, estimating/calculating area, multiplication and division facts, dividing two-digit numbers, multiplying three numbers, arrays, congruent shapes, capacity, polygons, classifying angles, adding/subtracting multi-digit numbers, estimating lengths and distances,

Parental Role: Co-Teacher and Course Monitor

Course Pre-requisites: Successful completion of Math 0200 or Administrator approval

Grade 4

HR0400

4th Grade Homeroom

HIS 0400

This course covers *The Modern Age* of history and journeys through events such as the Civil War, Reconstruction to 1914, the World Wars and the changing world in which we live. Emphasis is placed on reading literature which is illustrative of this time period.

Additional activities include the study of timelines, maps, and current events to enhance understanding of this period in world history.

LA 0400

This comprehensive course teaches grammar, vocabulary, poetics, writing, and literature using a classical approach. In vocabulary, students study the history of language and Latin stems showing that big words can be easy and fun. In grammar, students are introduced to parts of speech, parts of sentence, phrases, and clauses building upon lessons in 3rd grade. Formal *IEW* writing lessons use components taught in grammar and vocabulary to produce well-written outlines, summaries, narratives, and essays. Students also explore and analyze classic literature pieces as well as pieces corresponding to their history time period studied.

SCI 0400

This introductory course of physics includes lessons on heat and energy, inventions and technology, and machines and motion all through the lens of the Bible. Students are responsible for creating a science journal and conduct ongoing projects.

Parental Role: Co-Teacher and Course Monitor

Course Pre-requisites: Successful completion of all HR0300 courses or Administrator approval

MATH 5/4

This course (Math 5/4) covers number patterns; numbers to 10,000; place value – thousands, hundreds, tens and ones; addition/subtraction of 4-digit numbers; multiplication and division facts; multiplication/division of 3-digit number by 1-digit number; two-step word problems; mental calculation in addition/subtraction of 2-digit numbers and multiplication/division of 10 and 1000 by 1-digit; bar graphs, fractions – equivalent, mixed numbers and improper fractions; geometry – angles, right angles, area and perimeter; decimal notation; and beginning algebraic concepts.

-OR

MATH 6/5

This course (Math 6/5) covers number patterns; numbers to 10,000; place value – thousands, hundreds, tens and ones; subtraction of 4-digit numbers; multiplication and division facts; multiplication/division of 3-digit number by 1-digit number; two-step word problems; mental calculation in addition/subtraction of 2-digit numbers and multiplication/division of 10 and 1000 by 1-digit; bar graphs, fractions – equivalent, mixed numbers and improper fractions;

geometry – angles, right angles, area and perimeter; decimal notation; and beginning algebraic concepts.

Parental Role: Co-Teacher and Course Monitor

Course Pre-requisites: Successful completion of Math HR0300 or Administrator approval

Grade 5

HR 0500

5th Grade Homeroom

LA 0500

This comprehensive course teaches grammar, vocabulary, poetics, writing, and literature using a classical approach. In vocabulary, students study the history of language and Latin stems showing that big words can be easy and fun. There is also a heavier emphasis on the English-Spanish connection. In grammar, students are introduced to parts of speech, parts of sentence, phrases, and clauses building upon lessons in grade four. Formal writing is taught through IEW by learning nine structural models (note taking, writing paragraphs, stories, simple reports, writing from pictures, research reports, creative writing, essays, and critiques) to help them organize any type of composition. Students also explore and analyze classic literature pieces as well as pieces corresponding to their history time period studied.

SCI 0500

This biology course leads students through a study of plants, animal life, and the human body by digging deeper into what was studied during the elementary years. Students will use *God's Design for Science* to conduct research and their experiments. Each student is also responsible for a science notebook to keep their notes, vocabulary, observations and sketches organized.

HIS 0500

The Bible is essential to an accurate understanding of history. This course presents a panorama of world history spanning from 4004 BC to AD 29 known as Ancient History, exploring creation, the Flood, the Tower of Babel, and the rise of civilizations from Mesopotamia to Rome.

Parental Role: Private Tutor and Guide for Dependent Study

Course Pre-requisites: Successful completion of all HR0400 courses or Administrator approval

MATH 6/5

This course (Math 6/5) covers number patterns; numbers to 10,000; place value – thousands, hundreds, tens and ones; subtraction of 4-digit numbers; multiplication and division facts; multiplication/division of 3-digit number by 1-digit number; two-step word problems; mental calculation in addition/subtraction of 2-digit numbers and multiplication/division of 10 and 1000 by 1-digit; bar graphs, fractions – equivalent, mixed numbers and improper fractions; geometry – angles, right angles, area and perimeter; decimal notation; and beginning algebraic concepts.

-OR

Math 7/6

This course (Math 7/6) covers whole numbers and place values up to the millions; approximation and estimation; multiplication/division of 4-digit numbers by 2-digit numbers; order of operations; multi-step word problems; multiplication/division of fractions; addition/subtraction of mixed numbers; mental multiplication/division of numbers by 10s, 100s and 1000s; measuring of angles; ratios; mental multiplication/division of numbers with 3-decimal places by 10s, 100s, and 1000s; multiplication/division of numbers up to 2-decimal places by a 2-digit whole number; finding the area of a triangle; conversion of measurements; percentages; triangles – sum of angles of a triangle, isosceles and equilateral triangles, drawing triangles; four sided figures – parallelogram, rhombus and trapezoid; tessellations – tiling patterns; volume of cubes and cuboids; and finding the volume of a solid.

Parental Role: Private Tutor and Guide for Dependent Study

Course Pre-requisites: Satisfactory performance on the standardized test and successful completion of Math 6/5 or Administrator approval.

ELEMENTARY SPECIALS

Parental Role: Course Monitor

Students in grades K4-5 will take part in the specials that enable the children to take a variety of courses throughout the year such as Art, P.E., and Spanish.

In P.E., one primary goal is to encourage children to develop positive attitudes about themselves and about physical activity so that they will choose to be physically active throughout their lives. Another of our primary goals is to help children develop the movement competence that enables them to participate in physical activity successfully. Students will learn sportsmanship, teamwork, rules to games, and develop motor skills through physical activity lessons using soccer, basketball, baseball, and more once a week throughout the school year.

K4-4th grade students study Spanish by learning vocabulary and beginning phrases through songs, chants, and games. 5th grade students study Latin vocabulary and beginning phrases.

Art students in grades K4-5 will receive a mini lesson each class day about the artist of the month using a Power Point, short video or book. Students will complete a piece of art in the style of the artist with teacher guidance. Students study such masters as Monet and Picasso.

MIDDLE SCHOOL COURSES

Grade 6

HIS 0600

Students revisit the Medieval and Early Renaissance periods by studying church history and the biographies of Protestant reformers and leaders of the Renaissance. Students examine this period closely by reading quality literature, writing about the era, and developing timelines.

LIT 0600

This course should be taken in conjunction with the Composition 6 course to receive the full benefits. In this literature course, students will be instructed in vocabulary and reading. Vocabulary will be presented as etymology using Latin and Greek stems as a way of thinking, a way of building, analyzing, spelling, pronouncing, and producing words. Students will read various genres including fiction, expository and poetry and learn how to read, understand, and analyze this quality literature.

Parental Role: Private Tutor and Guide for Dependent Study

Course Pre-requisites: Successful completion of LA0500 or Administrator approval

COMP 0600

Formal writing is taught through IEW by learning nine structural models (note taking, writing paragraphs, stories, simple reports, writing from pictures, research reports, creative writing, essays, and critiques) to help them organize any type of composition. Composition is taught alongside grammar in which students will analyze sentence structure on a higher level through diagramming and applying grammar and spelling rules in compositions.

Parental Role: Private Tutor and Guide for Dependent Study

Course Pre-requisites: Successful completion of LA0500 or Administrator approval

SCI 0600

Students will learn about God's design for planet Earth, our universe, and weather and water. Each student will compile a science notebook with observations of investigations, vocabulary, sketches, and notes.

Parental Role: Private Tutor and Guide for Dependent Study

Course Pre-requisites: Successful completion of SCI0500 or Administrator approval

MATH 8/7

This course (Math 8/7) reviews concepts such as arithmetic calculation, measurements, geometry and other skills, while new concepts such as pre-algebra, ratios, probability and statistics are introduced as preparation for upper level mathematics.

Parental Role: Private Tutor and Guide for Dependent Study

Course Pre-requisites: Satisfactory performance on the standardized test and successful completion of MATH 7/6 or Administrator approval

Or MATH 7/6

This course (Math 7/6) covers whole numbers and place values up to the millions; approximation and estimation; multiplication/division of 4-digit numbers by 2-digit numbers; order of operations; multi-step word problems; multiplication/division of fractions; addition/subtraction of mixed numbers; mental multiplication/division of numbers by 10s, 100s and 1000s; measuring of angles; ratios; mental multiplication/division of numbers with 3-decimal places by 10s, 100s, and 1000s; multiplication/division of numbers up to 2-decimal places by a 2-digit whole number; finding the area of a triangle; conversion of measurements; percentages; triangles – sum of angles of a triangle, isosceles and equilateral triangles, drawing triangles; four sided figures – parallelogram, rhombus and trapezoid; tessellations – tiling patterns; volume of cubes and cuboids; and finding the volume of a solid.

Parental Role: Private Tutor and Guide for Dependent Study

Course Pre-requisites: Satisfactory performance on the standardized test and successful completion of Math 6/5 or Administrator approval

LAT-A

This grammar-first approach to teaching Latin will ensure that the student master the six indicative active tenses of the first two verb conjugations, five noun declensions, first and second declension adjectives, and 185 vocabulary words.

Grade 7

HIS 0700

This course covers US history beginning with life in America before Europeans came and continuing through the first years after the Civil War. Students will be responsible for writing assignments, supplemental literature exploration, map work, drama, and timeline creations.

Parental Role: Private Tutor and Guide for Dependent Study

Course Pre-requisites: Successful completion of HIS 0600, teacher recommendation and Administrator approval.

LIT 0700

This course should be taken in conjunction with the Composition 7 course to receive the full benefits. In this literature course, students will be instructed in vocabulary and reading. Vocabulary will be presented as etymology using Latin and Greek stems as a way of thinking, a way of building, analyzing, spelling, pronouncing, and producing words. Students will read various genres including fiction, expository and poetry and learn how to read, understand, and analyze this quality literature.

Parental Role: Private Tutor and Guide for Dependent Study

Course Pre-requisites: Successful completion of LA0600/WRT0600, teacher recommendation and Administrator approval.

COMP 0700

Formal writing is taught through IEW by learning nine structural models (note taking, writing paragraphs, stories, simple reports, writing from pictures, research reports, creative writing, essays, and critiques) to help them organize any type of composition. Composition is taught alongside grammar in which students will analyze sentence structure on a higher level through diagramming and applying grammar and spelling rules in compositions.

Parental Role: Private Tutor and Guide for Dependent Study

Course Pre-requisites: Successful completion of LIT 0600/COMP 0600, teacher recommendation and Administrator approval.

SCI 0700

The modules presented in this series introduce the history of science, scientific inquiry, experimentation, simple machines, archaeology, geology, paleontology, fossils, the fossil record, life, classification of life, the human body, energy, the digestive system, the respiratory system, the lymphatic system, the reproductive system, the urinary system, and the nervous system. Students will conduct experiments/investigations and record observations, vocabulary, and sketches in a science notebook. Students learn basic content and skills and then build their knowledge to a more complex level of understanding through daily demonstrations and hands-on lab experiences.

Parental Role: Private Tutor and Guide for Dependent Study

Course Pre-requisites: Successful completion of SCI0600, teacher recommendation and Administrator approval.

MATH 8/7

This course (Math 8/7) reviews concepts such as arithmetic calculation, measurements, geometry and other skills, while new concepts such as pre-algebra, ratios, probability and statistics are introduced as preparation for upper level mathematics.

Parental Role: Private Tutor and Guide for Dependent Study

Course Pre-requisites: Satisfactory performance on the standardized test and successful completion of MATH 7/6 or Administrator approval

OR

ALGEBRA I

Algebra I students will develop the understanding they need to resolve more complex problems and functions. It covers topics including signed numbers, exponents, and roots; absolute value; equations and inequalities; scientific notations; unit conversions; polynomials; graphs; factoring; quadratic equations; direct and inverse variations; exponential growth; statistics; and probability.

Parental Role: Private Tutor and Guide for Dependent Study

Course Pre-requisites: Satisfactory performance on the standardized test and successful completion of MATH 8/7 or teacher recommendation and Administrator approval

LAT-B

This grammar-first approach to teaching Latin will ensure that the student master the six indicative active tenses of the first two verb conjugations, five noun declensions, first and second declension adjectives, and 185 vocabulary words.

Grade 8

HIS 0800

This US history course surveys lessons beginning with America's expansion into the lands west of the Mississippi River and continuing to modern times. Students explore maps, examine writings from this time period, read literature supporting modern America, and engage in thought provoking discussions.

Parental Role: Private Tutor and Guide for Dependent Study

Course Pre-requisites: Satisfactory performance on the standardized test and successful completion of HR0700 or Administrator approval

LIT 0800

This course should be taken in conjunction with the Composition 8 course to receive the full benefits. In this literature course, students will be instructed in vocabulary and reading. Vocabulary will be presented as etymology using Latin and Greek stems as a way of thinking, a way of building, analyzing, spelling, pronouncing, and producing words. Students will read various genres including fiction, expository and poetry and learn how to read, understand, and analyze this quality literature.

Parental Role: Private Tutor and Guide for Dependent Study

Course Pre-requisites: Successful completion of LA0700/WRT0700, teacher recommendation and Administrator approval.

COMP 0800

Formal writing is taught through IEW by learning nine structural models (note taking, writing paragraphs, stories, simple reports, writing from pictures, research reports, creative writing, essays, and critiques) to help them organize any type of composition. Composition is taught alongside grammar in which students will analyze sentence structure on a higher level through diagramming and applying grammar and spelling rules in compositions.

Parental Role: Private Tutor and Guide for Dependent Study

Course Pre-requisites: Successful completion of LIT 0700/COMP 0700, teacher recommendation and Administrator approval.

SCI 0800

The Apologia *Physical Science* text discusses such topics as the atmosphere, the hydrosphere, weather, the structure of the earth, environmentalism, the physics of motion, Newton's Laws, gravity, and astrophysics.

Parental Role: Private Tutor and Guide for Dependent Study

Course Pre-requisites: Satisfactory performance on the standardized test and successful completion of SCI0700 or Administrator approval

Algebra I (High School Credit)

Algebra I students will develop the understanding they need to resolve more complex problems and functions. It covers topics including signed numbers, exponents, and roots; absolute value; equations and inequalities; scientific notations; unit conversions; polynomials; graphs; factoring; quadratic equations; direct and inverse variations; exponential growth; statistics; and probability.

Parental Role: Private Tutor and Guide for Dependent Study

Course Pre-requisites: Satisfactory performance on the standardized test and successful completion of Math 0700 or Administrator approval

LAT 0100 (High School Credit)

This grammar-first approach to teaching Latin will ensure that the student master the six indicative active tenses of the first two verb conjugations, five noun declensions, first and second declension adjectives, and 185 vocabulary words.

ATHLETICS

Parent Role: Parent Coach

PED0600 – 6th-8th Grade Football (Boys)

PED0601 – 5th-8th Grade Basketball (Boys and Girls)

PED0602 – 5th-8th Grade Track (Boys and Girls)