

	Pre-K	Kindergarten	First Grade	Second Grade	Third Grade	Fourth Grade	Fifth Grade	Sixth Grade	Seventh Grade	Eighth Grade
Reading Phonics Literature	Reading readiness. Associating ideas and logical sequence; auditory discrimination of letters; rhyming words, storytelling, comprehension skills; memory, similarities and differences; motor control	Emphasizing phonics; logical/chronological sequencing; independent fluency, comprehension skills, auditory/visual discrimination, rhyming, reading phonics books; identifying story elements; summarizing, sequence events, poetry	Decoding through phonics and word analysis techniques; synonyms, antonyms, prefixes, suffixes, syllabication, contractions; comprehension; controlled vocabulary in anthologies and phonics books; identifying story elements, story maps	Review word analysis techniques, independent fluency, reading with expression, comprehension skills; poetry; story element; distinguish fact and opinion; read anthologies with fiction and nonfiction reading selections; read charts and maps for information; sequence and summarize; retell a story	Review previously taught phonics skills; read anthologies with fiction and nonfiction along with classic literature; retell a story; interpret a timeline; identify the main features of a biography; read and act out a play; read a nonfiction article, a map, map key, science article, diagram, photo essay, and menu; follow a set of directions; explain meanings of puns; apply pre-reading techniques, skim and scan, monitor and clarify	Read a selection of fiction, nonfiction, and poetry; draw evidence from text to support analysis and reflection; use before, during, and after reading strategies to read and comprehend a nonfiction text; identify point of view; elements of drama; describe and compare two different settings in a story by drawing on specific details in the text; formulate and support an opinion about an issue using facts gathered from the Internet; compare the theme of two different poems	Read classic literature; differentiate between fiction and fantasy; analyze plot, setting, problem resolution, and characterization; paraphrase and summarize; interpret figurative language; predict, infer, classify; determine author's purpose; identify cause and effect, compare and contrast; use organizational features of texts	Read fiction and nonfiction; identify protagonists, antagonists, internal and external conflicts; identify elements and devices of poetry; identify steps in a process, figurative language, foreshadowing, personification, imagery, tone, and mood; outline and summarize ideas; identify theme; evaluate a character's behavior; identify the moral of a story; write critical responses to literature, using specific references to text	Summarize main ideas in informational text; draw conclusions from visual aids; identify a play's setting and plot; make critical comparisons across texts; identify an inferred main idea; explain an author's perspective or viewpoint; interpret how events affect a character's growth; analyze rising action, climax, falling action, and resolution in a plot structure; explain the use of dialect to establish setting and describe characters	Read literary classics and nonfiction selections; literary devices; incorporating enrichment, extra challenge options and activities; studying aspects of novels and short stories, including style, characterization, theme, and mood; analyzing speeches and composing original speeches
Spelling Vocabulary	Building vocabulary	Identifying word beginnings and endings; controlled vocabulary of short vowel words; key words	Building vocabulary with high-frequency words	Weekly spelling lists; recognize spelling errors; classify spelling words; identify homophones	Discovering word origins; building vocabulary	Completing daily exercises in spelling; building vocabulary	Focusing on syllables; capitalization; abbreviations; meaning; usage	Completing daily exercises in spelling; building vocabulary; understanding word origins	Completing daily spelling and vocabulary lessons, understanding word origins	Completing spelling lessons drawn from other subject areas; expanding vocabulary; learning word origins
Writing Composition	Visual discrimination of letters; storytelling; motor control	Shared and independent writing activities; writing words and sentences; writing stories, poems, letters, and book reports; creating graphic organizers	Shared and independent writing activities, e.g. stories, poems, journal entries; descriptive, and persuasive message; proofread sentences; publish selection of original compositions	Sentence structure; graphic organizers; note-taking; original writing of various styles, e.g. journal entries, poems, letters, stories, biographies; proofread, revise, and edit; publish a selection of original compositions	Study and write parts of a paragraph, time order words, descriptive language, and linking words; Use four-stage approach to writing, prewriting skills; edit and proofread; original writing of various styles, e.g. personal narratives, essays, letters, book reports, research reports	Continue using four-stage writing process; organizing key words into phrases using shape planners; brainstorm ideas using the 5 W's; writing original factual, creative, and descriptive compositions; writing poetry, letters	Using writing process; composing well-structured paragraphs, original stories, various types of essays, poems, personal narratives, and research reports; revising for sentence structure, fluency; descriptive and figurative language.	Use writing process to compose and publish original works: research reports, bibliographies, narrative, expository based upon thesis statement, creative, descriptive, persuasive writing, poetry, and news articles; evaluate writing for completeness, flow, sense of audience and purpose	Develop original pieces of writing: eyewitness accounts, short stories, descriptive and persuasive essays; compose summaries, analytical essays, book report and research report; revise for sensory language, similes, metaphors	Continue to build on middle school writing lessons by writing in various styles: descriptive, narrative, persuasive, explanatory; building research skills; taking notes; outlining, proofreading; editing; evaluation of a documentary
Grammar	Developing oral expression	Developing oral expression; constructing asking/telling sentences	Identify and use nouns: singular and plural, proper nouns and pronouns; verbs: present and past; and adjectives; use of capital letters and ending punctuation; types of sentences (asking, telling, exclamation)	Identify and use nouns, verbs, adjectives, and adverbs; capitalize and punctuate end marks of sentences; identify and correct fragments and run-on sentences; find and use correct subject-verb agreement	Differentiate between sentences and fragments; identify types of sentences; capitalization and punctuation; subject and predicate; combine sentences with conjunctions and/or helping verbs; concrete and abstract nouns	Introducing verbs of being; verb tense; regular and irregular verbs; pronouns; subject complements; comparing adjectives and adverbs; punctuation skills	Identifying the eight parts of speech; types of sentences; subject, predicate; correct usage	Studying parts of speech; analyzing, diagramming simple and compound sentences; mechanics, correct usage	Working on sentence, paragraph structure; mechanics; parts of speech; diagramming simple, compound, and complex sentences; grammar and usage	Reviewing and using parts of speech; diagramming noun, adverb, and adjective clauses; studying gerunds, infinitives, participles; grammar and usage; building paragraphs and varied sentences
Calvert Math	Recognizing and writing numerals; basic math vocabulary; shapes, number ideas 1-10; matching and sets, following patterns; simple measurements; money	Adding and subtracting vertically; problem solving; patterns, shapes; fractions: equal parts, halves, and fourths; numbers 0-31; transformations; money up to dollar bills; telling time to the hour; measuring length; ordering numbers; matching sets; probability	Using numbers to 100; simple fractions; solid and plane shapes; money, equivalent amounts; fact families; measuring; adding, subtracting 2-digit numbers	Adding, subtracting 2- and 3-digit numbers; money; patterns in addition, subtraction; measuring weight, capacity, temperature; perimeter, area, volume readiness; problem-solving strategies; telling time in 5-minute increments; 2- and 3-dimensional geometric figures; fractions, sets, probability; introducing multiplication, division	Addition, subtraction, multiplication to 9; division; reading, writing numbers with place values through 100,000s; comparing fractions, equivalent fractions; decimals to hundredths; pictographs; bar graphs; coordinate points on grids; tree diagrams; rounding; word problems; Roman numerals; regrouping in addition and subtraction	Fluency and accuracy drills in four operations; multiply, divide two digits; understanding mixed numbers, probability; adding, subtracting decimals; geometry; comparing, adding, subtracting fractions; circle and line graphs	Multiplying up to three digits; geometry points, lines, rays; measuring angles; adding mixed numerals, decimals; multiplying, dividing decimals; multiplying fractions	Reviewing common mathematical operations, fractions, decimals; dividing fractions; percentages; algebra; integers; graphing; problem solving; ratio, percent	Reviewing skills; pre-algebra; equalities and inequalities; variables and formulas; patterns and number theory; complex fractions; complementary and supplementary angles; statistics; permutations and combinations; multiplying, dividing integers; Pythagorean Theorem; pyramids; graphing	Pre-algebra: problem-solving skills, geometry; scientific notation; 2-step equations; constructions; vertical/adjacent angles; tangent, sine, cosine; absolute value; rational and irrational numbers; inequalities; compound and open number sentences; surface area, volume; coordinate graphing functions
Math in Focus	not available for Pre-K	none (updated Kindergarten Calvert Math meets standards)	Using numbers to 100; simple fractions; solid and plane shapes; money; equivalent amounts; fact families; measuring; adding, subtracting 2-digit numbers; place value; graphs and charts; mental math; time; problem solving; introduction to multiplication and division	Compare, add, and subtract numbers to 1000; number patterns; problem solving with bar models; multiply and divide by 2, 3, 4, 5, and 10; measurement in metric and customary units; temperature, estimation; money; add and subtract like fractions; time; plane shapes and solid figures; graphs and charts	Compare, add, and subtract numbers to 10,000; estimation; problem solving with bar models; 3-digit multiplication by single digit, multi-digit division by single digit; customary and metric measurement; graphs and line plots; add and subtract fractions, multiply and divide equivalent fractions; parallel and perpendicular lines; area and perimeter of plane shapes	Working with numbers to 100,000; standard, expanded, and word form of numbers; estimation; prime and composite numbers; factors and multiples; multi-digit division and multiplication; central tendencies; problem solving; probability; add and subtract unlike, mixed and improper fractions; add and subtract decimals; angles and line segments;	Working with numbers to 10,000,000; multiply and divide by tens, hundreds, and thousands, real-word problem solving; express fractions as decimals; use all processes with fractions and mixed numbers; simplify algebraic expressions; inequalities; rations; multiply and divide decimals; find percents; graph equations; angles, area and volume of three-dimensional shapes	Fractions and decimals on number lines; positive and negative integers; divide with fractions, improper fractions, mixed numbers; multiply and divide decimals; ration, rate, and percent; problems involving unit rates; evaluate expression; solve one-step equations; geometry, surface area and volume of prisms; circumference and area of circles	Convert between fractions and decimals; irrational number on number line; operations with integers; simplify algebraic expressions; solve multistep algebraic equations and inequalities; proportions; properties of various types of angles; use properties of angles to solve problems; construct bisectors and polygons; area and volumes of composite figures; data distribution plots	Exponents, large and small numbers in scientific notation; graph linear equations with two variables; slope-intercept; problem solving using equations; functions in multiple forms; Pythagorean Theorem; translations, reflections, rotations, dilations; prove congruence between triangles; scatter plots; probabilities of independent and dependent events
Science	Seasons, farm animals, pets, senses, growth and change	Seasons; five senses; space; differences among land, air, water; weather; natural resources	Scientific method, standard methods of measurement; human body systems, life cycle of plants and animals, animal habitats; seasons; weather; Earth's surface; properties of matter; simple machines	Scientific method; skills and steps used in investigation; systems of the human body; plants and animals; habitats; seasonal pattern; solar system; rocks and minerals; land forms; water cycle; forms of matter; forces of energy; simple machines	Study how variables are controlled in experiments; compare nonliving and living things; essential nutrients; inherited and learned traits; ecosystem; tilted axis; seasons	Functions of the body's systems; classification of living things; relationships among ecosystems, communities, populations, and habitats; structure of Earth; movement of plates and mountain-building, earthquakes and volcanoes; weathering; physical and chemical change and properties; machines; energy; pollution	Invertebrate and vertebrate groups; heredity; symbiosis; biotic and abiotic factors in an ecosystem; biomes; types of ecosystems; fossils; tides and eclipses; comets, meteors, and asteroids; matter, elements, atoms; metals; compounds and mixtures; motion; Newton's Laws; machines; types of energy; pollution and conservation	The Middle School Science curriculum consists of 15 modules, 5 each of Earth, Physical and Life Science. These modules can be built into a custom arrangement to meet state standards for institutional partners. Many hands-on labs and activities are incorporated into the program.	The Middle School Science curriculum consists of 15 modules, 5 each of Earth, Physical and Life Science. These modules can be built into a custom arrangement to meet state standards for institutional partners. Many hands-on labs and activities are incorporated into the program.	The Middle School Science curriculum consists of 15 modules, 5 each of Earth, Physical and Life Science. These modules can be built into a custom arrangement to meet state standards for institutional partners. Many hands-on labs and activities are incorporated into the program.
History	National heroes	Famous people and events	Famous Americans and key famous events in American History; Native Americans; changes because of science and technology; compare cities and rural places; community	Citizenship; biographies of well-known explorers, pioneers, inventors, political figures; accounts of famous events; national and state symbols; national landmarks; goods and services; production process	Symbols; the Constitution; rights and responsibilities of a citizen; types and levels of government; five geographic regions of the U.S., climate and resources; study of the U.S. from first inhabitants to the Civil War; renewable and nonrenewable resources; use of primary sources to acquire information	U.S. history from the early explorers to current times; compare life in the New England, Middle, and Southern colonies; the reasons for settlement in the colonies; importance of documents such as the Declaration of Independence, Emancipation Proclamation, Gettysburg Address; inventions that changed America; Industrial Revolution; Westward Expansion; Civil War; World Wars; Cold War; 9/11	American history from ancient civilizations through September 11, 2001; colonization; the Revolution; westward expansion; Civil War and aftermath; industrialization U.S. in the 20th century	Tracing history from early man through the fall of Rome; early civilizations in Egypt, China, India, Greece; relationship between the past and present; tools of historians	Comprehensive survey of world history; investigating political, economic, and social changes from ancient times to the American Revolution	Studying U.S. history from early explorers to modern America; building the nation; U.S. role in world events; charts, maps, illustrations
Geography	Where people live, families	Where people live, families, communities, animal habitats	Five themes of geography; determining exact location; making simple maps; identify and locate continents and oceans; map symbols; cardinal directions; distinguish land from water on globe	Five themes of geography; studying land and water features; cardinal directions, maps, symbols, map keys, compass rose; globes, continents, oceans; relative and exact locations, boundaries; inset maps; regions	Five themes of geography; identify and interpret features of political and physical maps; equator, hemispheres, latitude and longitude, prime meridian; how people make choices about goods and services.	Five themes of geography; types of maps; impact of climate, landforms, waterways; describe and identify five regions of the U.S.; climate, landforms, waterways, resources of Canada, Mexico, Central and South America	Five themes of geography; studying the U.S. by region, with focus on landforms, waterways, natural resources, parks, monuments, cities, state capitals, industry, agriculture, climate; state reports; extending map and globe skills; Canada; Latin America	Exploring Asia, Africa, Australia, New Zealand, Pacific Island nations, Antarctica; map skills; absolute relationships within places	Reviewing themes, map skills; North and South America; Europe; the former Soviet Union; climate, landforms, vegetation, minerals; demographics; economy; global issues	Applying map skills to understand events and trends in U.S. history
Art	Modeling with clay; gluing; making musical instruments; splatter painting; baking; braiding; folding	Painting; drawing with crayons and chalk; clay, craft activities	Developing creativity and motor skills	Developing new skills in drawing; studying famous paintings	Learning techniques in drawing, perspective, color	Improving skills using lines, light sources, motion; integration with history studies	History of painting from Ancient Egypt through the modern art movements; learning different art techniques, including contour, naturalism, murals, linear perspective	Sculpture from ancient Egypt through modern artists; Egyptian line drawing; soft drawing dough sculpture; relief sculpture; symmetry design	Surveying architecture from ancient to modern times; drawing techniques, including perspective, foreshortening; abstract pictures; texture; designs; profile drawing	Studying various pieces of art within their historical context
Computer Skills	not available for Pre-K	Identify computer parts; create, open, and save changes to files; identify desktop icons; computer safety; basics of computer graphics software; computer keyboard	Create, open, and save changes to files; delete files; healthy computer habits; computer graphics; type and format short documents; basic desktop publishing tools; visual mapping software; Internet search; e-mail	Data storage; file formats; keyboarding; publishing tools; visual mapping software; Internet usage; identify spreadsheet components and their purpose; explore database usage	Review data storage; keyboarding drills; basic desktop publishing; visual mapping to design writing pieces; e-mail; design spreadsheets; design a slide show using presentation software	Applying computer skills in the content areas; word processing; visual mapping; intellectual property; e-mail; web browsers; spreadsheets; web searches and validity; presentation software	Applying computer skills in the content areas; formulas and functions in spreadsheets; databases; images, transitions, and animation in a slide show; HTML tags and web pages; validity and credibility of websites	Applying computer skills in the content areas; create and use audio and videos files; spreadsheet tools; relative reference and absolute reference; slide show presentations with text box insertions and resizing, graphics insertion, slide duplication, color palette usage	Applying computer skills in the content areas; evaluate relevancy of results from a Web search; use critical thinking skills	Applying and expanding technological skills for use in communication and design; word processing; keyboarding skills; publishing tools; research using the Internet; spreadsheets; slide shows



CURRICULUM OVERVIEW



Scope and Sequence of Courses for
Pre-Kindergarten to Eighth Grade



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