

2019–2020

*Christian School*  
**Scope &  
Sequence**

*Preschool through Grade 12*

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# P Preschool

## Language Arts

### Two-Year-Olds

Language development and listening skills that include color words, shapes, animals, transportation, countries, community helpers, health, safety, manners, science

### Three-Year-Olds

Recognition of name, sound, and picture for short vowels and consonants  
Formation of vowels and consonants in upper and lower case

Language development and listening skills that include color words, shapes, animals, transportation, countries, community helpers, health, safety, manners, science

## Numbers

Simple counting 1-25  
Number concepts 1-10  
Simple counting 1-30

Number concepts 1-15

## Bible

Hymns/choruses  
Memory verses

Lessons such as Creation, Noah, Boy Samuel, Daniel, Boyhood of Jesus, Zacchaeus, Good Samaritan

## Music Arts & Crafts

Traditional and fun songs

Colors, shapes, following directions, eye-hand coordination

# K4 Four-Year-Old Kindergarten

## Language Arts

### Phonics and Reading

Recognition of name, sound, and picture of long and short vowels and consonants  
Sounding of blends and one- and two-vowel words  
Reading of sentences and stories with one- and two-vowel words

### Cursive Writing

Formation of letters, blends, and words  
Writing of first name

### Poetry

Twenty-six poems and finger plays committed to memory

### Language

Language development and listening skills that include color, words, shapes, animals, transportation, countries, community helpers, health, safety, manners, science

## Numbers

Number recognition and counting 1-100  
Number concepts 1-20  
Numbers before and after 1-20  
Numbers largest and smallest 1-20

Addition facts	1 + 1	6 + 1
	2 + 1	7 + 1
	3 + 1	8 + 1
	4 + 1	9 + 1
	5 + 1	

## Bible

Lessons such as Creation, Noah, Boy Samuel, Daniel, Boyhood of Jesus, Zacchaeus, Good Samaritan (includes memory verses and hymns/choruses)

## Music Arts & Crafts

Traditional and fun songs

Development of motor skills in drawing, coloring, cutting, and gluing

## Language Arts

### Phonics and Reading

Recognition of name, sound, and picture of long and short vowels and consonants  
 Sounding of blends, one- and two-vowel words, and words with special sounds  
 Beginning phonics rules and special sounds  
 Reading of sentences and stories from thirteen books containing one- and two-vowel words and special sounds

### Cursive Writing

Letters, blends, words, and sentences  
 Name

### Language

Recognition of sentences by capital letters and periods  
 Rhyming words  
 Opposites

### Poetry

Thirteen poems committed to memory

## Numbers

Number recognition, counting, and writing 1–100  
 Number concepts 1–100  
 Numbers before and after 1–100  
 Numbers largest and smallest 1–100  
 Counting and writing by tens to 100  
 Counting and writing by fives to 100  
 Counting and writing by twos to 100  
 Number sequences by ones

Using number words 1–10 and first-tenth  
 Value of coins and dollar bill  
 Telling time  
 Using the calendar  
 Days of the week  
 Addition facts through 10  
 One-step story problems in addition  
 Beginning subtraction  
 Sequencing  
 Same/different  
 Basic geometric shapes

Fractions—one half, one fourth  
 Arithmetic symbols—plus, minus, equals

## Science

### Plants

God's Plan for Seeds

### Animals

God's Plan for Animals  
 God's Plan for the Seashore

### Health and Human Biology

God's Plan for Me

### Earth and Space

God's Plan for Weather  
 God's Plan for Seasons

## Social Studies

Community Helpers  
 Children of the World

America: Our Great Country (map studies, famous Americans and places)

## Bible

Hymns / choruses  
 Memory verses  
 Bible doctrine

Lessons: Salvation Series, Genesis, Life of Christ, Missionary Stories

## Music Arts & Crafts

Traditional, patriotic, fun songs

Basic art concepts and techniques (cutting, gluing, painting) and further development of coordination/motor skills



**Language Arts****Phonics**

Review of vowels, consonants, blends, one- and two-vowel words, consonant blends  
 Recognition and use of all phonics special sounds in reading  
 Spelling rules: doubling consonants, dropping silent e, changing y to i

**Reading**

Oral reading  
 Comprehension  
 Vocabulary development

**Language**

Capitalization of first word in a sentence, proper names, names of God, days of the week, and months of the year  
 Correct punctuation at the ends of sentences  
 Recognition of complete sentences  
 Words using suffixes, prefixes, syllables, compound words, rhyming words, opposite words, same meaning words, and contractions  
 Alphabetizing of words  
 Writing complete sentences and short stories

**Creative Writing**

Chronological  
 Informational  
 Original

**Spelling and Poetry**

Weekly phonics-based word list  
 Weekly test with phonics  
 Reinforcement activities  
 Eight poems committed to memory with poetic elements

**Penmanship**

Review of letter formation  
 Connecting letters  
 Daily seatwork practice in all academic areas

**Arithmetic**

Number recognition, counting, and writing 1–1,000  
 Greatest and least  
 Counting and writing by tens, fives, twos, and threes  
 Number sequences  
 Ordinal numbers  
 Addition facts through 13 and three-digit addition with carrying  
 Subtraction facts through 13 and two-digit subtraction  
 Story problems  
 Numbers before and after by ones, twos, tens

Between numbers  
 Counting and combining coins  
 Telling time to the nearest five minutes  
 Recognizing odd and even numbers  
 English and some metric measures  
 Place value in ones, tens, and hundreds  
 Unit fractions  $\frac{1}{2}$   $\frac{1}{3}$   $\frac{1}{4}$   
 Reading a thermometer  
 Using a ruler  
 Multiple combinations

Concept of multiplication  
 Calendars  
 Reading pictographs and bar graphs  
 Developing listening skills  
 Roman numerals

**History and Geography****Social Studies**

Community Helpers  
 America Our Great Country  
 Children of the World

**This is my America**

My America's Freedom  
 Symbols of America

Great People of America  
 My America Grows  
 My America Travels  
 My America Talks  
 My America is Beautiful  
 My America Sings

**This is My World**

Canada, Mexico, Peru,  
 The Bahamas, England, France,  
 Switzerland, the Netherlands,  
 Norway, Germany, Italy, Kenya,  
 Egypt, Israel, India, China,  
 Australia, Japan

**Science****Health and Human Biology**

Discovering Myself

**Energy, Forces, Machines**

Discovering My Toys

**Animals**

Discovering Animals  
 Discovering Insects

**Plants**

Discovering Plants

**Seasons**

Discovering Seasons

**Health, Safety, Manners****Health**

Eating good foods  
 Exercising  
 Rest  
 Posture  
 Care of body, clothes, home

**Safety**

At home and away from home  
 On streets, playgrounds, water

**Manners**

At home, school, church, public

**Bible**

Lessons: Salvation Series, Genesis, Life of Christ, Paul  
 (includes memory verses, hymns /choruses, and Bible doctrine)

**Music Arts & Crafts**

Traditional, patriotic, fun songs

Development of art concepts and techniques in multiple types of media based on the color wheel.

## Language Arts

### Phonics

Review of vowels, consonants, blends, one- and two-vowel words, consonant blends  
 Recognition and use of all phonics special sounds in reading  
 Spelling rules: doubling consonants, dropping silent e, changing y to i

### Reading

Oral and silent reading  
 Developing accuracy, fluency, comprehension, and analytical skills  
 Literary terms and components  
 Analysis of literature and illustration

### Cursive Writing

Review of letter formation  
 Guided creative writing  
 Writing paragraphs, stories, poems, and journal entries  
 Daily seatwork practice in all academic areas

### Spelling and Poetry

Weekly phonics-based word list  
 Vocabulary words and definitions second semester  
 Weekly test  
 Reinforcement activities  
 Eight poems committed to memory

### Language

Capitalization of first word in a sentence, days of the week, months of the year, special holidays, names of God, and proper nouns

Correct punctuation at the ends of sentences  
 Complete sentences, 4 kinds of sentences, subjects and predicates, 4 parts of speech  
 Words using suffixes, prefixes, abbreviations, compound words, rhyming words, opposite words, same-meaning words, singular and plural words, singular possessive words, and contractions  
 Alphabetizing words and other research skills  
 Word usage rules  
 Writing of complete sentences, questions, exclamations  
 Proofreader's marks for capitalization, spelling, punctuation

## Arithmetic

Number recognition, counting, and writing 1–10,000 and beyond  
 Numbers greatest and least  
 Counting and writing to hundred thousands, by threes to 36, by fours to 48  
 Ordinal numbers  
 Addition facts through 18, column addition, four-digit addition with carrying  
 Subtraction facts through 18, four-digit subtraction with borrowing  
 Multiplication facts 0, 1, 2, 3, 5, 10  
 Division facts 2, 3, 5, 10

Story problems  
 Multiple combinations  
 Estimation  
 Rounding  
 Numbers before and after by ones, twos, threes, fives, tens, twenty-fives, and hundreds  
 Counting and combining coins and bills  
 Telling time to the nearest minute  
 English and some metric measures  
 Drawing and measuring lines to one-half inch  
 Developing listening skills

Calendars  
 Place value to hundred thousands  
 Unit fractions, comparing fractions  
 Determining change  
 Reading a thermometer  
 Reading pictographs, bar graphs, line graphs, and circle graphs  
 Roman numerals

## History

America's flags and freedoms  
 Early Americans  
 American holidays and songs  
 Colonial life  
 Declaration of Independence  
 American War for Independence

Pioneers  
 Civil War  
 Railroads and cattle ranching  
 American immigrants  
 American free enterprise system and work ethic

American inventions, inventors, scientists, and athletes  
 Americans of courage and creativity  
 Last states and territories added  
 Good citizenship

## Science

Creator's design, plan, and balance  
 Human brain and body systems  
 Five sense organs  
 Plants: parts and growth  
 Animals and their habitats: oceans, ponds, forests, savannas, rainforests  
 Scientific investigation

How and where scientists work  
 Science tools and safety  
 Energy, force, movement  
 Work and machines  
 States of matter  
 Atmosphere and water cycle  
 Predicting weather

Planets and solar system  
 Stars, sun, moon  
 Earth: planet designed for life

## Health, Safety, Manners

### Health

Posture  
 Nutrition/exercise  
 Rest/cleanliness  
 Preventative care

### Safety

Emergency preparation at home and away from home  
 Winter and water safety  
 Storm safety

### Manners

Courtesy  
 Kindness  
 Cheerfulness  
 Respect  
 Thoughtfulness  
 Thankfulness  
 Patience  
 Table manners

## Bible

Lessons: Salvation Series, Life of Moses, Joshua, Judges, Ruth, Jonah, Favorite Bible Stories, Christmas, Crucifixion and Resurrection (includes memory verses, hymns/choruses, and Bible doctrine)

## Music Arts & Crafts

Traditional, patriotic, fun songs

Seasonal and keepsake projects that develop art concepts and techniques using multiple types of media, featuring chalk

## Language Arts

### Reading

Oral and silent reading  
 Developing accuracy, fluency, comprehension, and analytical skills  
 Reading comprehension  
 Vocabulary development  
 Discussion for Biblical and personal application  
 Analysis of literature and illustration  
 Identification of simple text structures  
 Application of literary terms and components

### Writing

Review cursive formation  
 ¾-space high  
 Writing original paragraphs, stories, graphic organizers, summarizing exercises, journal entries  
 Creative writing prompts  
 Research reports

### Spelling and Poetry

Weekly word list with vocabulary based on spelling rules and patterns  
 Sentence construction using spelling words

Learning strategies and spelling logic  
 Reinforcement activities  
 Eight poems committed to memory

### Grammar

Punctuation and capitalization rules  
 Recognition of nouns, verbs, adjectives, adverbs, conjunctions  
 Identifying subject and predicate  
 Word usage  
 Forming plurals and common contractions  
 Recognition of antonyms, homonyms, synonyms  
 Dictionary skills, glossary skills

## Arithmetic

Place value up to hundred millions  
 Addition facts through 18, column addition, carrying, checking  
 Subtraction facts through 18, borrowing, checking  
 Multiplication 0–12 Tables, multi-digit factors with carrying, checking  
 Division 1–12 Tables, long division with remainders, checking  
 Story problems  
 Rounding to nearest ten, hundred, and dollar  
 Estimation of sums, differences, products  
 Averaging numbers

Roman numerals  
 English and metric measures  
 Converting measures, solving measurement equations and story problems  
 Drawing and measuring lines to the nearest half inch and centimeter  
 Telling time to nearest minute, solving elapsed-time problems  
 Counting and combining coins and bills; addition, subtraction, multiplication, and division money problems; determining change  
 Solving multi-process combinations using parentheses to determine order of operations

Geometric plane and solid shapes, terms, perimeter, area  
 Interpreting and constructing bar graphs, line graphs, and pictographs  
 Finding the unknown number in an equation  
 Comparing values using greater than (>), less than (<), and equals (=) symbols  
 Fractions: terminology, mixed numbers, comparing, adding, subtracting, equivalent, reducing to lowest terms

## History and Geography

Map reading skills/activities  
 States of the United States by region  
 Topographical study of the United States  
*Study of our American heritage through the lives of great people*  
**Founding of America**, including  
 Miles Standish  
 William Penn

Benjamin Franklin  
 Benjamin Banneker  
 Dalley Madison  
**Expanding of America (plus Civil War era)**, including  
 Daniel Boone  
 Lewis and Clark  
 Harriet Tubman

Abraham Lincoln  
 DL Moody  
**Modernization of America**, including  
 Alexander Graham Bell  
 Theodore Roosevelt  
 George Washington Carver  
 Amelia Earhart  
 Ronald Reagan  
 Donald Trump

## Science

### Scientist

Scientific method  
 How/where scientists work  
 Tools, graphing, safety

### How creation works

Energy sources/types  
 Force/movement/machines  
 Structures/magnetism/matter

### Earth's Atmosphere

Weather/water cycle/climates

### Earth's surface

Shape/structure/soil  
 Landforms/weathering/surface changes/rock  
 Stewardship

### Plant world

Seeds/structures/other ways plants sprout  
 Forest types/decomposers/plants that grow from spores

### Solar system

Sun/planets/stars/moon  
 Time/space science/our home

### Animal world & habitat

Vertebrates/invertebrates  
 Prairie/desert/rainforest/arctic/coral reef/stream  
 Food Chains

### Human body systems

Cells/tissue/organs  
 Nervous system/sense organs  
 Heart & circulatory system  
 Lungs & respiratory system  
 Teeth & digestive system  
 Bones & skeletal system  
 Muscles & muscular system

## Health, Safety, Manners

### Health

Posture, exercise  
 Nutrition, diet  
 Cleanliness  
 Preventative care  
 Spiritual, mental, social health

### Safety

Public safety (includes street and personal safety)  
 Recreational safety (includes bicycle and water safety)  
 Home safety (includes fire and Internet safety)

### Manners

Showing courtesy through politeness (includes proper introductions), kindness, respect, helpfulness (includes dealing with bullying), obedience (includes refusal techniques), gratitude, phone etiquette, and putting others first

## Bible

Lessons: Salvation Series, Samuel, David, Elijah, Elisha, Thanksgiving, Christmas, Daniel, Ezra / Nehemiah, Esther, Crucifixion and Resurrection, Parables (includes memory verses, hymns / choruses, and Bible doctrine)

## Music Arts & Crafts

Music theory/flutophone  
 Traditional, patriotic, fun songs

Development of art concepts and techniques in multiple types of media featuring charcoal and water colors

## Language Arts

### Reading and Literature

Oral reading  
Reading comprehension  
Speed reading  
Vocabulary building

### Penmanship

Review of cursive writing formation through skill practice, word games, original composition, and sentence dictation

### Spelling, Vocabulary, and Poetry

Weekly word lists with challenging words and vocabulary

Reinforcement activities  
Six poems committed to memory

### Language Writing Process

Letters—friendly, post cards, thank-you notes  
Gathering information  
Writing with details  
Writing an encyclopedia report  
Writing book reports  
Creative writing  
Dictionary skills

### Grammar

Sentence structure, kinds of sentences, punctuation, capitalization facts, abbreviations, possessive words  
Recognizing and using all eight parts of speech  
Diagraming verbs, nouns, pronouns, adjectives, adverbs  
Correctly using troublesome words

## Arithmetic

Place value of whole numbers and decimals  
Mastery of fundamental operations  
Story problems  
Estimating answers  
English and metric measures  
Converting measures within the same system and solving measurement equations  
Roman numerals

Addition, subtraction, and multiplication involving fractions  
Estimation  
Averaging  
Factoring  
Divisibility rules  
Introduction to decimals  
Making change  
Reading a thermometer

Solving equations using addition and subtraction axioms  
Graphs and scale drawing  
Basic geometric shapes  
Perimeter and area  
Using an English and metric ruler  
Time lapse

## History and Geography

Map study  
State history for six weeks  
Eight documents memorized  
The Years of Discovery  
The Years of Exploration  
The First Americans  
The English Come to America  
The New England Colonies  
The Middle and Southern Colonies

A Picture of Colonial Life  
The Great Awakening  
The French and Indian War  
The American War for Independence  
Building a New Nation  
Our Nation Grows  
The Civil War  
New Frontiers

An Age of Progress  
Beyond Our Boundaries  
The World Wars  
Time for Freedom and Responsibility

## Science

### Plants

Plants: Provision for Man and Beast

### Animals

Insects: Miniature Marvels of Creation  
Birds: Winged Wonders

### Matter

Matter: Water, Air, and Weather

### Energy

Energy: Sound and Hearing

### Earth and Space

Geology: Planet Earth  
Oceanography: Wonders of the Sea  
Astronomy: Consider the Heavens

## Health

### Physical Fitness

Your Body Framework  
The Muscle Builder  
Your Breathing Machine

### Personal Hygiene

A Winning Smile  
Your Body's Cover  
Keys to Good Grooming

### Interpersonal Relationships

A Healthier You

## Bible

Lessons: Salvation Series, Genesis, Life of Christ, Life of Paul (includes memory verses, hymns /choruses, and Bible doctrine)

## Music Arts & Crafts

Music theory/flutophone  
Traditional, patriotic, fun songs

Basic drawing and painting techniques, color concepts, and perspective

## Language Arts

### Reading and Literature

Oral reading  
Reading comprehension  
Speed reading  
Vocabulary building

### Penmanship

Review of cursive writing formation through skill practice, word exercises, original composition, and sentence dictation

### Spelling, Vocabulary, and Poetry

Weekly word lists on various categories and vocabulary study  
Six poems committed to memory

## Language

### Writing Process

Sentences and sentence parts  
Synonyms, antonyms, homonyms  
Dictionary, thesaurus skills  
Letters—friendly, post cards, thank-you notes  
Making an outline  
Writing a library research paper  
Writing book reports  
Creative writing

## Grammar

Punctuation, capitalization, and quotation facts  
Recognizing and diagramming all eight parts of speech  
Recognizing and diagramming complements  
Word usage

## Arithmetic

Place value of whole numbers and decimals  
Mastery of fundamental operations  
Story problems  
Problem-solving strategies  
Roman numerals  
Measuring to the eighth inch  
Calculating time  
Making change  
Rounding off whole numbers, money, decimals, and mixed numbers  
English and metric measures

Converting measures within the same system and solving measurement equations  
Addition, subtraction, multiplication, and division involving fractions  
Finding parts of a whole  
Factoring  
Divisibility rules  
Probability  
Addition, subtraction, multiplication, and division involving decimals  
Introduction to percents  
Reading a thermometer  
Negative temperature

Converting from a Celsius scale to a Fahrenheit scale and from a Fahrenheit scale to a Celsius scale  
Solving algebraic equations  
Graphs and scale drawings  
Graphing ordered pairs  
Reading schedules and charts  
Basic geometric shapes  
Perimeter and area  
Squares and square roots  
Estimation

## History and Geography

Eight documents reviewed  
Geography facts: terms, rivers, capitals, mountains, climate, deserts  
Introduction to History and Geography  
Fertile Crescent: Cradle of Civilization  
Ancient Middle East  
Middle East Today

Countries of Central and Southern Asia  
Countries of the Far East  
Egypt: The Gift of the Nile  
Africa Long Ago  
Africa in Modern Times  
Ancient Greece: Home of Beauty  
Rome: Ruler of the Ancient World  
Christianity: The Greatest Force in History

England and the British Isles  
Other Countries of Western Europe  
Countries of Eastern Europe  
"Land Down Under" and Beyond

## Science

### Animals

Amazing Mammals  
A Variety of Vertebrates

### Energy

Force and motion  
Electricity and magnetism

Engines: steam, internal combustion, jet propulsion, rocket engines  
Light

### Matter

Water, Air, Weather

### Earth and Space

Geology: Treasures of the Earth  
Oceanography: The Living Sea  
Astronomy: The Eight Planets, Stars, Moon, Sun  
Conservation: Preserving the Sea

## Health

### Circulatory System

Life in the Blood  
Your Hardy Heart  
Pathways through Your Body

### Nutrition and Physical Fitness

A Balanced Diet  
Daily Food Guide  
Maintaining Your Proper Weight  
Raising Your Rate of Metabolism

Aerobic Endurance  
Muscular Strength and Flexibility

### Digestive System

Digestion Begins in the Mouth  
Through the Esophagus, Stomach, Small Intestine, Liver, Pancreas  
Absorbing Digested Foods

### Interpersonal Relationships

Social Acceptance, Mental Awareness, Spiritual Warfare

## Bible

Lessons: Salvation Series, Life of Moses, Tabernacle, Joshua, Judges, Ruth, Jonah, Samuel, Christmas, Crucifixion and Resurrection, Life of David (includes memory verses, hymns/choruses, and Bible doctrine)

## Music Arts & Crafts

Traditional, patriotic, fun songs

Basic drawing and painting techniques, color concepts, and perspective



## Language Arts

### Reading and Literature

Oral reading  
Reading comprehension  
Speed reading  
Vocabulary building

### Penmanship

Review of cursive writing formation  
Practice penmanship through creative writing and word exercises

### Spelling, Vocabulary, and Poetry

Weekly word lists by prefixes, suffixes, and root words  
Vocabulary study from the word lists  
Eight poems committed to memory

### Language Writing Process

Writing paragraphs, poetry, outlines, library research paper, narration, journal, book reports, letters, creative writing

Sentences and sentence parts  
Fragments, run-ons  
Library skills  
Student Writers' Handbook

### Grammar

Punctuation and capitalization rules  
Recognizing, diagraming, using all eight parts of speech  
Word usage

## Arithmetic

Place value of whole numbers and decimals  
Maintaining skills in fundamental operations  
Story problems/Problem-solving strategies  
Roman numerals  
Rounding off  
English and metric measures  
Converting measures within the same system and solving measurement equations  
Adding, subtracting, and multiplying measures

Prime factoring  
Fundamental operations involving fractions and decimals  
Estimation  
Ratios and proportion  
Percent  
Probability  
Graphs and scale drawing/  
Introduction to statistics  
Basic geometric shapes  
Perimeter, area, and circumference  
Bisecting angles  
Reading thermometers

Converting Celsius to Fahrenheit and Fahrenheit to Celsius  
Equation solving/Introduction to basic algebra  
Latitude, longitude, and time zones  
Banking, finding interest, and installment buying  
Reading electric and gas meters

## History and Geography

Advanced map studies  
Geography facts, including the 50 states  
Eight documents reviewed  
North America: Canada, United States, Mexico and Central America

South America: Continent of Natural Resources, Nations of South America  
United States History: The Colonial Heritage, New World's First Republic, U.S. in the Twentieth Century

## Science

### Plants

Plentiful Plants

### Animals

Observing Invertebrates

### Earth and Space

Our Fascinating Earth  
God's Great Universe  
Exploring Space

### Chemistry

Matter and Chemistry (atoms, elements, and compounds)

## Health

### Safety and First Aid

Safety First  
First Steps of First Aid

### Growth and Fitness

Your Changing Body  
An Active Lifestyle

### Anatomy

Endocrine System  
Respiratory System  
Muscular System  
Skeletal System

### A Healthy Mind and Body

Your Body's Defenses  
Lymphatic System  
Your Communication System  
Nervous System  
Skin  
Drugs—Use and Abuse  
A Healthy Spirit

## Bible

Lessons: Salvation Series, Life of Christ, Parables, Elijah, Elisha, Daniel, Esther, Ezra /Nehemiah (includes memory verses, hymns /choruses, and Bible doctrine)

## Music Arts & Crafts

Traditional, patriotic, fun songs

Further development of perspective, introduction to composition, study of accomplished artists

## Language Arts

### Grammar

Capitalization rules  
Punctuation rules  
Kinds of sentences and diagramming  
Eight parts of speech and their uses  
Diagramming eight parts of speech  
Sentence structure

### Composition

Essay answer  
Summaries  
Letters  
Informative, narrative, and process essays  
Character sketch  
Writing style  
The writing process  
Outlines  
Book reports  
Paragraphs  
Research paper  
The library

### Vocabulary, Spelling, Poetry

Vocabulary lessons  
Weekly spelling lessons  
Eight poems memorized

### Literature

Stories and poems read for enjoyment by authors such as Frost, Dickinson, Kipling, Bunyan, Alcott, Luther, Dickens, Defoe

## Mathematics

### Intermediate Mathematics

Maintaining arithmetic skills (see grades 4–6)  
Fractions and decimals  
Factoring  
Using and applying of percent  
Signed number arithmetic  
Introduction to algebra  
Introduction to plane and solid geometry  
Development and use of area and volume formulas

English and metric systems of measurement  
Introduction to probability  
Introduction to statistics  
Constructing and Interpreting Statistical Representations  
Graphing on the Cartesian Plane  
Direct variation  
Powers and roots  
Polynomial arithmetic  
Radicals  
Solving equations

Algebraic word problems  
Inequalities  
Optional fast fact concepts—  
Including factorials, simple interest, discounts and coupons, visual sequences, line symmetry, cross sections of solid figures, tree diagrams, compliment of an event, dependent events, reflections, slope of parallel and perpendicular lines, graphing from slope–intercept form, nonproportional relationships, raising a power to a power

## World History and Geography

The Beginning  
From Sumer to Canaan  
Down to Egypt  
Israel and Its Land  
According to His Will  
Greece: A Drama in Two Acts  
Rome before Christ  
Rome after Christ  
Early Church History  
Islam versus Christendom  
From Empire to Feudalism

An Age of Darkness  
The Protestant Reformation  
Post-Reformation Europe  
The English Nation  
An Age of Exploration  
The United States  
France in the Modern Age  
The British Empire  
Science & Industry in the Modern Age  
The New World of Classics  
World War I and the Rise of Communism

Before and During World War II  
The Cold War Era  
Toward a New Millennium  
Change in the New Millennium  
Eastern Hemisphere Geography  
Parliamentary Procedure  
Current events

## Life Science and Health

Invitation to Science  
Plants: Provision for Life  
Your Wonderful Body  
A Healthy Life

Creation & Science  
Mammals  
Birds  
Fish, Reptiles, and Amphibians  
Insects

Assorted Invertebrates  
Through the Microscope  
Forestry: Generous Giants  
Ecology: Harmony in God's Creation

## Bible

Lessons/Map Journeys: Exodus, Life of Christ (includes memory verses and hymns)

## Language Arts

### Grammar

Capitalization rules  
Punctuation rules  
Kinds of sentences and diagramming  
Eight parts of speech and their uses  
Diagramming eight parts of speech  
Sentence structure

### Composition

Manuscript form  
The writing process

The library  
Outlining  
Summaries  
Book reports  
Paragraphs  
Descriptions  
Research paper  
Writing style  
Essay answers  
Dialogue  
Poems  
Narratives  
Essays

### Vocabulary, Spelling, Poetry

Vocabulary lessons  
Weekly spelling lessons  
Ten poems memorized

### Literature

Reading for enjoyment stories and poems by authors such as Twain, Dickens, Longfellow, Frost, Hawthorne, and Sandburg

## Mathematics\*

### Pre-Algebra

Maintaining skills in fundamental operations (see grades 4–7)  
Principles of mathematics  
English and metric measures  
Basic algebraic concepts  
Signed numbers  
Powers and roots  
Like and unlike terms  
Multiplying and dividing monomials  
Multiplying and dividing polynomials by monomials

Multiplying polynomials by polynomials  
Problem-solving strategies  
Word problems solved algebraically  
Reading and constructing graphs  
Graphical scale drawings  
Statistics and probability  
Business math  
Earning income  
Banking  
Stocks and bonds  
Insurance  
Basic plane and solid geometric concepts

Properties of geometric figures  
Constructing geometric figures  
Perimeter, area, surface area, and volume  
Pythagorean rule  
Sine, cosine, and tangent  
Scientific notation

## U.S. History and Geography

A New World to Explore  
The First English Colonies  
Founding of the New Colonies  
Life in Colonial America  
Preparation for Independence  
Home of the Brave  
Land of the Free  
From the Appalachians to the Rockies  
The Jacksonian Era  
Innovations and Inventions  
The Second Great Awakening

Education and Culture  
The Promise of the West  
The Civil War and Reconstruction  
The Age of Industry  
The Gilded Age  
Growing into Greatness  
Into the Twentieth Century  
The Rise of Big Government  
A World at War  
Time for Freedom and Responsibility  
Troubled Times for America  
Which Way, America?

In Defense of Freedom  
Constitution Study  
Western Hemisphere Geography  
Current events  
National, State, and Local Government

## Earth and Space Science

Introduction to Science  
Foundations of Geology  
Minerals and Rocks  
Weathering and Erosion

Interpreting the Fossil Record  
A Survey of the Seas  
The Atmosphere

Water Vapor and Air Masses  
Storms and Forecasting  
Consider the Heavens  
Man and the Universe  
Environmental Science

## Sex Education from the Bible

Morality  
Dating and marriage  
Sins such as adultery, fornication, and homosexuality

## Bible

Lessons/ Map Journeys: Journeys of Paul, Joshua, Judges (includes memory verses and hymns)

\*Mathematics courses can be taken in a different sequence to meet your scheduling needs.

**Language Arts****Grammar**

Capitalization rules  
Punctuation rules  
Kinds of sentences and diagraming  
Eight parts of speech and their uses  
Diagraming eight parts of speech  
Sentence structure

**Composition**

Manuscript form  
Writing process  
The library  
Paragraphs  
Outlining

Book reports  
Summaries  
Descriptions  
Research paper  
Writing letters  
Improving writing style

**Vocabulary, Spelling, Poetry**

Vocabulary lessons  
Weekly spelling lessons  
Ten poems memorized

**Literature**

Classics on the following themes:  
truth and wisdom, courage, humility, justice, temperance, beauty, joy and peace, faith and hope, love, and time and eternity

Reading for enjoyment stories and poems by such authors as Hale, Tolstoy, O. Henry, Hawthorne, Alcott, à Kempis, Longfellow, Shakespeare

**Mathematics\*****Algebra I**

Real Numbers and Algebra  
Linear Equations in One Variable  
Linear Equations in Two Variables  
Linear Inequalities  
Systems of Equations

Polynomial Arithmetic  
Polynomial Factoring  
Radical Expressions and Equations  
Quadratic Equations  
Statistics and Probability

Rational Expressions and Equations  
Functions

**World Geography****World Geography**

Introduction to Geography  
Asia: The Middle East, Central and Southern Asia, The Far East  
Africa: Northern Africa, Tropical Africa, Southern Africa  
Europe: Mediterranean Europe, Central Europe, the Low

Countries, the British Isles, Scandinavia, Russia and Eastern Europe  
Australia, the Pacific Islands, and Antarctica  
North America: Canada, the United States, Mexico and Middle America

South America: Andean Countries, Brazil and the Guianas, Southern Countries  
Current events

**Physical Science****Introduction to Physical Science Chemistry****Matter and Energy**

Measuring Matter  
States of Matter  
Energy  
Heat

Foundations of Chemistry  
Molecules and Chemistry  
Chemistry in Action  
Science vs. Evolution

**Motion and Waves**

Motion and Forces  
Waves and Sound  
Light and Color

**Electricity and Magnetism**

Electrostatics  
Magnetism  
Electricity  
Electronics

**Health**

Nutrition and exercise  
Personal hygiene  
Body systems  
Mental health

Personal safety  
First aid  
Disease prevention  
Drug abuse

Right relationships  
Spiritual growth

**Bible**

Study series: Kings of Israel: United Kingdom, Israel's Divided Kingdom (includes memory verses and hymns)



## Language Arts

### Grammar

Capitalization and punctuation rules, kinds of sentences and diagramming, eight parts of speech and their uses, diagramming eight parts of speech, sentence structure, dictionary skills, usage and diction

### Composition

Paragraphs, the library and research paper, outlining, improving writing style, book reviews, descriptions

### Vocabulary, Spelling, Poetry

Vocabulary lessons  
Weekly spelling lessons  
Ten poems memorized

### World Literature

Classics by such authors as Dickens, Browning, Millay, Holmes, Poe, Doyle, Yeats, Tolstoy, Herbert  
Introduction to art appreciation  
Introduction to literary terms and forms: short story; narrative poetry; plot; imagery and figurative language; theme; rhyme and

rhythm; emotion; fixed form, continuous form, and free verse poetry; paradox; setting; point of view; tone

Major works in historical order  
Authors such as Homer, Aesop, Virgil, Foxe, Luther, Milton, Bunyan, Newton, Machen  
Complete novel: *Silas Marner*  
Complete play: *Julius Caesar*

## Mathematics\*

### Algebra II

Basic Algebra  
Equations and Inequalities  
Polynomial Equations and Inequalities  
Functions

Systems of Equations and Inequalities  
Matrices  
Exponential and Logarithmic Functions  
Triangles and Basic Trigonometry

Trigonometry and the Cartesian Plane  
Sequences, Series, and Counting  
Probability  
Statistics

## Consumer Mathematics\*\*

Buying a car, travel, income, budgeting, housing, food, clothing, leisure activities,

federal taxes and records, banking investments, the small business

## World History and Cultures

### Asia and Africa: The Beginnings of Civilization

Foundations  
Sumer  
Middle East  
Other Asian Cultures  
Egypt  
Other African Cultures

### Europe: Beginnings of Western Civilization

Greece  
Rome  
Early Church History  
The Byzantine Empire

### The Middle Ages: From the Ancient to the Modern

The Dark Ages  
Medieval Culture  
The Rise of Modern Nations

### The Reformation Era

The Protestant Reformation  
Post-Reformation Europe  
Post-Reformation Science and Culture

### The Age of Ideas

France  
England and America  
The Age of Industry  
The Victorian Era

Unbelief and Revolution in 19th Century Europe

### The Twentieth Century

World War I  
Rise of Communism  
20th-Century Liberalism  
World War II  
The Cold War Era  
The Rise of Globalism  
Current events

## Biology

### Botany

Flowering Seed Plants  
Structure and Function of Leaves  
Flowers, Fruits, and Seeds  
Stems and Roots  
Variety in Plant World

### Human Anatomy and Physiology

Fearfully and Wonderfully Made  
Bones and Muscles  
Nervous System  
Nutrition and Digestion  
Circulation and Respiration  
Integumentary, Excretory, Endocrine, and Reproductive Systems  
Disease and the Body's Immune System

### Life Sciences

Natural History and Scientific Investigation  
Evolution: A Retreat from Science  
Introduction to Ecology

### Zoology

Mammals  
Birds  
Reptiles and Amphibians  
Fish  
Arthropods  
Variety in the World of Invertebrates

### Cellular and Molecular Biology

Cytology  
Heredity  
DNA  
Laboratory work: dissections, microscopy, field studies, nutrition, cellular biology, genetics  
Laboratory Studies

## Keyboarding\*\*

Basic Key Introduction  
Special Symbols and Numbers  
Introduction to Business Documents

Business Letters with Special Features  
Letter Styles and Unbound Reports

Professional Tables  
Document Formatting

## Bible

Study series: Bible Doctrines  
(includes memory verses and hymns)

\*Mathematics courses can be taken in a different sequence to meet your scheduling needs.

\*\*Electives can be taken in different grade-level sequences based on your scheduling needs.

**Language Arts****Grammar**

Review of grammar, the sentence, and mechanics  
Dictionary skills  
Diction and usage  
Library skills

**Composition**

Writing process, paragraphs, book reviews, outline, character sketch and analysis, essays, paraphrases, summary, research paper, exposition, classification, extended definition, letter and résumé

**Vocabulary, Spelling, Poetry**

Vocabulary lessons  
Weekly spelling lessons  
Nine poems memorized

**American Literature**

Highlights of American literature  
Short story  
The first books, poets, historians, personal narrators  
Introduction to American art  
Writers and works of the nineteenth and twentieth centuries  
Authors such as Melville, Longfellow, Whittier, Dickinson, Sandburg, Frost, Bryant

Selections from *Moby Dick*, *Ben-Hur*, *Song of Hiawatha*, *Courtship of Miles Standish*  
Complete novel: *The Scarlet Letter*

**Mathematics\*****Plane Geometry (traditional approach)**

Formal arrangement of a proof  
Rectilinear figures  
Circle

Proportions  
Similar polygons  
Surface polygons  
Regular polygons and circles

Solutions of right triangles by means of ratios

**Business Mathematics\*\***

Personal finances  
Bookkeeping and accounting  
Business formulas  
Metric-English conversions

Investments  
Taxes  
Banking  
The small business

**U.S. History**

Discovery and Exploration  
The Thirteen Original Colonies  
Life in Colonial America  
Preparation for Independence  
Conflict with England  
The War for Independence  
The Critical Period and the Constitution  
The Federalist Era  
The Age of Jefferson  
The Nationalist Era  
The Age of Jackson  
Revival and Missions

Education and Technology  
Expansion to the Pacific  
Slavery and Secession  
The Civil War  
Reconstruction  
A Nation on the Move  
The Triumph of Free Enterprise  
Life in the Gilded Age  
Politics in the Age of Industry  
Expanding World Influence  
The Progressive Era  
World War I

The Twenties  
Depression and the New Deal  
World War II  
Years of Strength and Stability  
Troubled Times  
The Reagan Era and the 1990s  
America Enters the New Millennium  
2000–Present  
Current events

**Chemistry**

Chemistry: An Introduction  
Matter: The Substance of Chemistry  
Stoichiometry: Elements and Compounds  
Stoichiometry: Chemical Reactions  
Gases  
Chemical Thermodynamics

Light, Electrons, and Atomic Structure  
The Periodic Table  
The Chemical Bond and Intermolecular Forces  
Selected Nonmetals and Their Compounds  
Selected Metals and Semimetals  
Solutions and Colloids  
Chemical Kinetics

Chemical Equilibrium  
Acids, Bases, and Salts  
Oxidation–Reduction Reactions and Electrochemistry  
Nuclear Chemistry  
Organic Chemistry  
Laboratory studies

**Spanish 1 or French 1\*\***

Pronunciation  
Word formation  
Verse memorization as a witnessing tool  
Grammar

**Vocabulary**

School, clothes, family, home, food, creation, vacation

**Application**

Conversation, reading, interview, report, letter, oral translation

**Document Processing\*\***

Employment Documents  
MLA Style Reports  
The Itinerary and Agenda

Letter with Tables  
Business Document Production

**Bible**

Study series: Life Management, Jesus and His Followers (Gospels) (includes memory verses and hymns)

## Language Arts

### Grammar

Review of grammar, the sentence, and mechanics  
Dictionary skills  
Diction and usage  
Research skills

### Composition

Paragraph, theme, outline, narrative, poetry, extended definition, essay, description, character sketch,

vocation project, book reviews, and extemporaneous writing

### Vocabulary

Vocabulary lessons

### English Literature

Writers and works from the following periods: Anglo-Saxon, Medieval, Elizabethan, and Puritan  
Selections from *Beowulf*, *Canterbury Tales*, and *Paradise Lost*

Writers and works from the Eighteenth Century, Romantic Period, Victorian Age, and Twentieth Century  
Authors such as Wordsworth, Scott, Coleridge, Burns, Tennyson  
Condensed novel: *Robinson Crusoe* (includes conversion experience)  
Complete play: *Macbeth*  
Complete novel: *The Pilgrim's Progress*  
Ten poems memorized

## Mathematics\*

### Precalculus with Trigonometry and Analytical Geometry

Trigonometry applied to right triangles  
Angles on the cartesian plane  
Trigonometric functions of any angle  
Graphing the trigonometric functions  
Trigonometric identities and formulas

Trigonometric equations and inverse trigonometric functions  
Solving oblique triangles  
Complex numbers and De Moivre's Theorem  
Intercepts, symmetry, and domain  
Point of intersection of graphs  
Parametric equations  
Distance, slope, and the straight line  
The conic sections

Planes and surfaces in three dimensions  
Polar coordinates  
Equations representing empirical data  
The first derivative  
Acceleration and the second derivative  
Application of the first and second derivative  
The integral (anti-derivative)

## Government

### Foundations of the American republic

America: a unique nation  
Government under God  
The shaping of the American republic

### Our constitutional republic

The Constitution  
The legislative branch: Congress  
The executive branch: the presidency and the bureaucracy  
The judicial branch: the federal courts  
The Bill of Rights

### Our federal republic

Federalism  
State government  
Local government  
American citizen in action  
Current events

## Economics

Everybody's economics  
Economists and economic laws  
Factors of production  
Laws of supply and demand  
Productive market economy  
Good that competition does

Efficiency of production  
Why everybody needs to save  
What money is good for  
Government and the economy  
Successes and difficulties in the market economy

Promise and performance in the market economy  
A look at the global economy  
A cheerful view of our economic future

## Physics

### Introduction to physics

### Material substances

Matter, liquid, gaseous, solid

### Mechanics

Introduction to motion, vectors and projectile motion, forces in nature, concurrent forces, circular and periodic motion, work and machines, energy and momentum, rotary motion

### Thermodynamics

Heat, laws of thermodynamics

### Wave phenomena

Waves, sound, nature of light, reflection of light, refraction of light, wave optics

### Electricity and magnetism

Electrostatics, magnetism, current generation, electric circuits, electrical devices

### Modern Physics

Advanced physics concepts, theories of relativity laboratory studies

## Speech\*\*

### Everyday speech

The place of speech in society  
Everyday conversation  
Special types of conversation  
Group discussion  
Parliamentary procedure

### Interpretation

Talking with the body  
Interpreting monologues  
Reading with meaning  
Our American pronunciation  
Listening

Interpreting declamations and poetry

Storytelling  
Extemporaneous devotionals

## Family/Consumer Sciences\*\*

### Introduction

Kitchen and food safety  
Basic techniques and equipment

### Healthy habits

Nutrition  
Consumer education

### Breakfast

Milk and beverages  
Eggs

Grains, breads, and food preparation

### Serving

Table setting, meal service, and etiquette  
Successful entertaining

### Lunch

Adding flavor  
Produce  
Lunch time favorites

### Dinner

Meat, poultry, and fish  
Appetizers and desserts

### Laboratory Work:

Cookies, nutrition, breakfast, muffins, yeast bread, pasta, cheese sauce, vegetables, salad, lunch, supper, pudding, cake reception, pie crust, dinner party

## Spanish 2 or French 2\*\*

Grammar  
Conversations  
Cultural readings

Stories from the life of Christ (a witnessing tool)  
Vocabulary

Composition  
Interviews

## Bible

Study series: Genesis—First Things, Revelation and Church History (includes memory verses and hymns)

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\*\*Electives can be taken in different grade-level sequences based on your scheduling needs.





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