

2017–2018

*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 twelve 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

# 1 First Grade

## 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 reading  
 Comprehension  
 Vocabulary development  
 Silent reading  
 Discussion  
 Expanding understanding of literary terms

### Cursive Writing

Review of letter formation  
 Guided creative writing  
 Writing journal  
 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, people, and places  
 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  
 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, Growth, and Travel  
 Animals and Their Habitats:  
 Oceans, Pond, Forest, and Savanna

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  
 Stars, Sun, Moon  
 Earth: Planet Designed for Life

## Health, Safety, Manners

### Health

Posture  
 Nutrition/Exercise  
 Rest/Cleanliness  
 Teeth  
 Eyes/Ears  
 Doctor Visits

### Safety

At home and away from home  
 Street Safety  
 Water Safety/Fire Safety  
 Weather Safety

### Manners

Politeness

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

### Phonics and Reading

Review of all phonics rules  
Oral reading  
Reading comprehension  
Vocabulary development

### Cursive Writing

Cursive writing formation  
¾-space high  
Creative writing

### Spelling and Poetry

Weekly word list with vocabulary  
Sentence dictation using spelling words  
Reinforcement activities  
Eight poems committed to memory

### Language Writing Process

Complete sentences  
Creative writing, friendly letters

### Grammar

Punctuation and capitalization rules  
Recognition of simple nouns, subjects, verbs, adjectives  
Word usage  
Forming plurals and common contractions  
Recognition of antonyms, homonyms, synonyms  
Dictionary skills

## Arithmetic

Recognition of the place value of numbers  
Addition facts and checking addition problems with carrying  
Subtraction facts and checking subtraction problems with borrowing  
Multiplication tables 0–12 and multiplication problems with carrying  
How to show a multiplication fact six ways  
Division tables 1–12 and working and checking a divi-

sion problem  
Terminology for four processes  
English and metric measures  
Telling time  
Roman numerals 1–1,000  
Using a ruler  
Solving story problems with up to four steps  
Recognizing and solving number sentences  
Converting measures and solving measurement equations  
Recognizing and working with

greater than (>) and less than (<)  
Counting money and solving money problems using the decimal point correctly  
Solving problems containing parentheses  
Fraction terminology and basic understanding of fractions  
Averaging numbers  
Reading a thermometer  
Recognizing geometric shapes  
Finding the unknown number in an equation

## History and Geography

Continents and oceans of the world  
Study of world geography  
States of the United States

### Study of our American heritage through the lives of great people

Columbus  
John Smith  
Pocahontas

Miles Standish  
Squanto  
William Penn  
Ben Franklin  
George Washington  
Thomas Jefferson  
Daniel Boone  
Noah Webster  
John Greenleaf Whittier  
Robert E. Lee

Abraham Lincoln  
Clara Barton  
U. S. Grant  
Louisa May Alcott  
Booker T. Washington  
George Washington Carver  
Laura Ingalls Wilder  
Billy Sunday  
Martin Luther King, Jr.

## Science

### Plants

Exploring the Plant World

### Animals

Exploring the World of Vertebrates  
Exploring the World of Invertebrates

### Health and Human Biology

Wonderfully Made

### Earth and Space

Exploring the Ocean  
Exploring the Weather

### Conservation

Exploring the Desert, the Ocean, the Pond, the Forest, the Farmer's Field

## Health, Safety, Manners

### Health

Posture, Exercise  
Nutrition, Diet  
Cleanliness  
Fighting disease

### Safety

Fire, Water safety  
Home, Play safety  
Street safety  
First aid

### Manners

Hospitality  
Proper introductions  
Telephone manners  
Courtesy and respect

## Bible

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

## Music Arts & Crafts

Music Theory/Flutophone  
Traditional, patriotic, fun songs

Development of art techniques in multiple types of media

## 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  
Diagramming 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 diagraming all eight parts of speech  
Recognizing and diagraming 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

# 7 Seventh Grade

## 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

### Basic Mathematics

Maintaining skills in fundamental operations (see grades 4–6)  
Fractions and decimals  
Factoring  
Problem-solving strategies  
Factorial  
Ratio and proportion  
Application of percent

Personal finances  
Metric system  
Probability  
Basic geometric concepts  
Development and use of formulas  
Reading and constructing graphs  
Introduction to statistics  
Introduction to algebra

Negative numbers  
Powers and roots  
Time zones, latitude, and longitude  
Introduction to plane and solid geometry  
Pythagorean rule  
Sine, cosine, tangent

## 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 and 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 diagraming  
Eight parts of speech and their uses  
Diagraming eight parts of speech  
Sentence structure

### Composition

Manuscript form  
The writing process  
The library  
Outlining  
Summaries  
Book reports  
Paragraphs  
Descriptions  
Research paper  
Writing style

### Vocabulary, Spelling, Poetry

Vocabulary lessons  
Weekly spelling lessons  
Nine poems memorized

### Literature

Reading for enjoyment stories and poems by such authors as Stuart, Whittier, Longfellow, Frost, Hawthorne, 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  
Weather: Water Vapor and Air Masses  
Weather: 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)

## 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

### Matter and Energy

Measuring Matter  
States of Matter  
Energy  
Heat

### Chemistry

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  
Mental health

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 diagraming, eight parts of speech and their uses, diagraming 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  
Hereditry  
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 1st and 2nd 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)

\*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.



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