

2010

 *A Beka Book*®

Scope & Sequence

Nursery through Grade Twelve

N Nursery

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-eight 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	5 + 1
2 + 1	6 + 1
3 + 1	7 + 1
4 + 1	8 + 1
	9 + 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

Poetry

Thirteen poems committed to memory

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

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

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 such as Salvation Series, Genesis, Life of Christ

Music Arts & Crafts

Traditional, patriotic, fun songs

Basic art concepts and further development of coordination/motor skills

1 First Grade

Language Arts

Phonics and Reading

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*
 Oral reading

Cursive Writing

Review of letter formation
 Daily seatwork practice in all academic areas

Spelling and Poetry

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

Language

Capitalization of first word in a sentence, proper names, 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

History and Geography

This Is My America

My America's Flag
 My America's Freedoms
 Symbols of My America
 Great People of America

My America Grows

My America Talks
 My America Travels
 My America Is Beautiful
 My America Sings

This Is My World

Mexico, Peru, Virgin Islands, Puerto Rico, Bahamas, England, the Netherlands, Norway, France, Germany, Switzerland, Italy, Israel, Egypt, Kenya, India, China, Australia, Guam, American Samoa

Science

Health and Human Biology

Discovering Myself
Energy
 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

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
 Reading a thermometer
 Using a ruler
 Multiple combinations
 Concept of multiplication
 Calendars
 Reading pictographs and bar graphs
 Developing listening skills
 Roman numerals

Bible

Lessons such as 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 techniques in multiple types of media

2 Second Grade



Language Arts

Phonics and Reading

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*
 Oral reading

Cursive Writing

Review of letter formation
 Guided creative writing
 Creative 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
 Spelling glossary
 Seven 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, questions, and exclamations
 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 dictionary skills
 Word usage rules
 Writing of complete sentences, questions, exclamations, and short stories
 Writing letters and thank-you notes
 Creative writing

History and Geography

America, Our Home

Our Flag
 Our Patriotic Holidays
 Our Songs

The People Who Built America

The Separatists
 America's Indians
 The Colonists
 America's Pioneers
 America's Cowboys
 The New Americans

Tomorrow's America

Science

Plants

Enjoying the Plant World

Animals

Enjoying the Animal World

Health and Human Biology

Enjoying Myself and Others

Earth and Space

Enjoying our Earth and Sky

Matter

Enjoying the Air Around Us

Energy

Enjoying the Air Around Us

Enjoying Things That Move

Conservation

Enjoying Things That Work Together

Health, Safety, Manners

Health

Posture
 Nutrition
 Exercise
 Rest
 Cleanliness
 Diseases

Safety

At home and away from home
 On streets
 Around water
 During bad weather

Manners

Politeness
 Kindness
 Cheerfulness
 Respect
 Thoughtfulness
 Thankfulness
 Patience
 Table and telephone manners

Arithmetic

Number recognition, counting, and writing 1–10,000 and beyond
 Numbers greatest and least 1–1,000
 Counting and writing to hundred thousands, threes to 36, 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 0–5
 Division facts 1–5
 Story problems
 Multiple combinations
 Estimation
 Rounding
 Numbers before and after by ones, twos, threes, fours, fives, and tens
 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 thousands
 Unit fractions
 Making change
 Reading a thermometer
 Reading pictographs, bar graphs, and line graphs
 Roman numerals

Bible

Lessons such as Salvation Series, Life of Moses, Tabernacle, Joshua, Judges, Ruth, Jonah (includes memory verses, hymns/choruses, and Bible doctrine)

Music Arts & Crafts

Traditional, patriotic, fun songs

Development of art techniques in multiple types of media

3 Third Grade

Language Arts

Phonics and Reading

Review of all phonics rules
Oral reading
Reading comprehension

Cursive Writing

Cursive writing formation
 $\frac{3}{4}$ -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
Punctuation and capitalization rules
Creative writing, friendly letters

Grammar

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

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

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 division 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

Bible

Lessons such as Salvation Series, Parables, Samuel, David, Elijah, Elisha, Daniel, Ezra / Nehemiah, Esther (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

4 Fourth Grade



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 and Poetry

Weekly word lists with challenging words and vocabulary
Reinforcement activities
Six poems committed to memory

Language

Writing Process

Sentence structure, Kinds of sentences, Punctuation, Capitalization facts, Abbreviations, Possessive words
Letters— friendly, post cards, thank-you notes
Gathering information
Writing with details
Writing an encyclopedia report
Writing book reports
Creative writing
Dictionary skills

Grammar

Recognizing and using all eight parts of speech
Diagraming verbs, nouns, pronouns, adjectives, adverbs
Correctly using troublesome words

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

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

Bible

Lessons such as Salvation Series, Genesis, Life of Christ, 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

5 Fifth Grade

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 and Poetry

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

Language

Writing Process

Sentences and sentence parts
Punctuation, capitalization, and quotation facts
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

Recognizing and diagraming all eight parts of speech
Recognizing and diagraming complements
Word usage

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

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

Bible

Lessons such as Salvation Series, Life of Moses, Tabernacle, Joshua, Judges, Ruth, Jonah, Samuel, 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
Dictionary skills

Penmanship

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

Spelling and Poetry

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

Language

Writing Process

Writing, comparison/contrasts, poetry, outlines, library research paper, narration, journal

Sentences and sentence parts
Fragments, run-ons
Punctuation and capitalization rules
Library skills
Student Writers' Handbook
Grammar
Recognizing, diagraming, and using all eight parts of speech

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 First

First Steps of First Aid
Your Changing Body
An Active Lifestyle

Your Body's Defenses

Your Communication System
Drugs—Use and Abuse
A Healthy Spirit

Anatomy

Endocrine System
Respiratory System
Muscular System
Skeletal System
Lymphatic System
Nervous System
Skin

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

Bible

Lessons such as 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 diagraming
Eight parts of speech and their uses
Diagraming eight parts of speech
Sentence structure

Composition

The writing process
Outlining
The library
Summaries
Book reports
Research paper
Writing style
Letter writing

Vocabulary, Spelling, Poetry

Vocabulary lessons
Weekly spelling lessons
Eight poems memorized

Literature

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

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
Science & Industry in the Modern Age

The New World of Classics
The British Empire
World War I and the Rise of Communism
Before and During World War II
The Cold War Era
Dawning of a New Millennium
Toward Globalism
Eastern Hemisphere Geography
Parliamentary Procedure
Current events

Science

Invitation to Science
Plants: Provision for Life
Your Wonderful Body
Introduction to Physical Science

The Amazing Atmosphere
Knowing the Weather
The Science of Classification

Through the Microscope
Science and Creation
Insects and Other Arthropods

Health

The New You: Social and Mental Health

Personal Appearance: An Expression of the Real You

Drug Abuse: It's Deadly
Spiritual Fitness: It's Your Choice

Sex Education from the Bible

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

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

Bible

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

8 Eighth Grade



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

History

A New World to Explore
The First English Colonies
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
The Blessings of Technology

The Second Great Awakening and Its Impact
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?
A New Millennium
Western Hemisphere Geography
Current events
National, State, and Local Government

Science

Consider the Heavens
Man and the Universe
Solid Matter in Motion

Fluids in Motion
Heat Molecules in Motion
Birds: Efficiency in Motion

Science vs. Evolution
Magnets and Magnetism
Electrons and Electricity

Health

Physical Fitness: The Active Life
Good Nutrition: Eating for Energy
Disease: Today's Battle against It

Safety First: Then Basic Aid
Spiritual Growth: A Personal Challenge

Sex Education from the Bible
(see seventh grade)

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

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

Bible

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

9 Ninth Grade

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
Outlining

Précis

Book reports
Paragraphs
Exposition
Writing letters
Character sketch and type sketch
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 Whittier, Bryant, Tennyson, Hale, Keats, Milton, Rossetti

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 Mid-Latitude Countries
Current events

Science

Meteorology and Oceanography

The Atmosphere
Earth's Weather
A Survey of the Seas

Chemistry

Foundations of chemistry
Molecules and chemistry
Chemistry in Action

Geology

Foundations of Geology
Rocks and Minerals
Weathering and Erosion
Interpreting the Fossil Record

Physics

Mechanics: Physics of Motion
Waves and Sound
Light and Color
Electrostatics and 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

Mathematics

Algebra I (traditional approach)

Linear equations in one variable
Algebraic numbers
Graphs
Formulas

Positive and negative numbers
Fundamental operations
Special products and factoring
Fractions
Ratio, proportion, and variation

Linear systems of equations
Powers and roots
Exponents and radicals
Quadratic equations
Numerical trigonometry

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, exposition, the library and research paper, outlining, improving writing style, book reviews, précis, character sketch and type sketch

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, Huss, Luther, Milton, Bunyan, Newton, Machen
Complete novel: *Silas Marner*
Complete play: *Julius Caesar*

World History and Cultures

Asia and Africa: The Beginnings of Civilization

Foundations
Sumer
The Fertile Crescent
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 and the New World
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, The 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, and Endocrine 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

Mathematics

Algebra II (traditional approach)

Factoring
Fractions
Linear equations in one variable
Coordinate geometry
Variation and dependence

Functions
Systems of equations
Powers and roots
Exponents, radicals, and imaginary numbers
Quadratic and higher equations

Logarithmic functions, exponential functions, and graphing rational functions
Numerical trigonometry
Statistics and probability

Consumer Mathematics

Buying a Car, Travel, Income, Budgeting, Housing, Food,

Clothing, Leisure Activities, Federal Taxes and Records,

Banking Investments, The Small Business

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)

11 Eleventh Grade

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, précis, research paper, exposition, classification, extended definition, letter and résumé

Vocabulary, Spelling

Vocabulary lessons
Weekly spelling lessons

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*

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

Periodic Table
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
Weekly laboratory studies

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

Document Processing

Employment Documents
MLA Style Reports

The Itinerary and Agenda
Letter with Tables

Business Document Production

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

Bible

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

12 Twelfth Grade



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

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 Supreme Court
The Bill of Rights

Our Federal Republic

Federalism
State Government
Local Government
American Democracy 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

Problems with the Command Economy
A Look at the Global Economy
A Cheerful View of Our Economic Future

Physics

Basic Concepts

Matter and Energy, Mathematics of Physics

Three States of Matter

Liquid, Gaseous, Solid

Mechanics

Velocity and Acceleration, Forces in Nature, Concurrent Forces, Motion in Two Dimensions, Work and

Machines, Energy and Momentum, Rotary Motion, Gravitation

Thermodynamics

Heat, Laws of Thermodynamics

Wave Phenomena

Waves, Sounds, Music

Light

Nature of Light, Reflection of Light, Refraction of Light, Wave Optics

Electricity and Magnetism

Electrostatics, Magnetism, Current Generation, Ohm's Law, Load Characteristics, Electrical Devices

Modern Physics

Quantum Theory, Special Relativity, Light in Modern Technology

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)

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 1 or French 1

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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