

2006

 *A Beka Book*<sup>®</sup>

# Scope & Sequence

Nursery through Grade Twelve

# 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

---

# 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)

# K5 Five-Year-Old Kindergarten

## 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

---

## Arithmetic

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

# 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)

# 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)

# 3

## Third Grade

### Language Arts

#### Phonics and Reading

Review of all phonics rules  
Oral reading  
Reading comprehension

#### Cursive Writing

Review of cursive writing formation  $\frac{3}{4}$ -space high  
Creative writing

#### Spelling and Poetry

Weekly phonics-based word list with vocabulary  
Sentence dictation using spelling words  
Reinforcement activities  
Nine 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

### 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)

# 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 based on phonics and spelling rules, 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—business, 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 Conquest  
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 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)

# 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

### 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

### Science

#### Animals

Amazing Mammals  
A Variety of Vertebrates

#### Energy

Force and motion  
Electricity and magnetism  
Engines: steam, internal combustion, jet propulsion, rocket engines  
Light

### 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

### Arithmetic

Place value of whole numbers and decimals  
Mastery of fundamental operations  
Story problems  
Problem-solving strategies  
Roman numerals  
Measuring to the quarter 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

### Language

#### Writing Process

Sentences and sentence parts  
Punctuation, capitalization, and quotation facts  
Synonyms, antonyms, homonyms  
Dictionary, thesaurus skills  
Letters—business, 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

#### 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

#### Matter

Water, Air, Weather

#### Earth and Space

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

#### 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

#### 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)

# 6

## Sixth Grade

<b>Language Arts</b>	<b>Reading and Literature</b> Oral reading Reading comprehension Speed reading Vocabulary building Dictionary skills <b>Penmanship</b> Review of cursive writing formation Practice penmanship through creative writing and word exercises <b>Spelling and Poetry</b> Weekly word lists by prefixes, suffixes, and root words Vocabulary study from the word lists Eight poems committed to memory Dictionary skills	<b>Language</b> <i>Writing Process</i> 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 <i>Grammar</i> Recognizing, diagraming, and using all eight parts of speech
<b>History and Geography</b>	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
<b>Science</b>	<i>Plants</i> Plentiful Plants <i>Animals</i> Observing Invertebrates	<i>Earth and Space</i> Our Fascinating Earth God's Great Universe Exploring Space <i>Chemistry</i> Matter and Chemistry (atoms, elements, and compounds)
<b>Health</b>	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
<b>Arithmetic</b>	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
<b>Bible</b>	Lessons such as Salvation Series, Life of Christ, Parables, Elijah, Elisha, Daniel, Esther, Ezra /Nehemiah (includes memory verses, hymns/choruses, and Bible doctrine)	

# 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  
Era of Change  
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

Study series: 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, Browning, 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?  
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

Study series: 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  
The research paper  
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)

# 10

## Tenth Grade

### 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	Other Asian Cultures
Sumer	Egypt
The Fertile Crescent	Other African Cultures

*Europe: Beginnings of Western Civilization*

Greece	Early Church History
Rome	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  
Why I Accept the Genesis Record

*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

### 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 resumé

### 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, Culture, and Technology  
Expansion to the Pacific  
Slavery and Secession  
The Civil War  
Reconstruction  
A Nation on the Move  
The Triumph of Free Enterprise  
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 1990s  
The Constitution and Civic Responsibility  
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

## 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

**Trigonometry with Tables**  
 (traditional approach)  
**Plane Trigonometry**  
 Functions of an Acute Angle;  
 Solution of Right Triangles  
 Trigonometric Functions of Any Angle  
 Radian Measure; Mil Measure  
 Line Values and Graphs  
 of Functions  
 Fundamental Relations

Functions of Two Angles  
 Oblique Triangles  
**Analytical Geometry**  
 Graphs of Functions  
 Fundamental Formulas  
 Straight Line  
 Circle  
 Polar Coordinates  
 Conic Sections

General Equation of the  
 Second Degree  
 in  $x$  and  $y$   
 Miscellaneous Curves  
 Curves Representing  
 Empirical Data  
 Coordinates in Space  
 Cylindrical, Spherical, and  
 Polar Coordinates

## 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

## 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, Book of the Revelation (includes memory verses and hymns)



P.O. Box 19100  
Pensacola, FL 32523-9100, U.S.A.

 [www.abeka.com](http://www.abeka.com)

 **1-877-A BEKA BOOK**  
(1-877-223-5226 toll free)



98639002