

2011

 *A Beka Book*®

# Scope & Sequence

Nursery through Grade Twelve

# N Nursery

<b>Language Arts</b>	<b>Two-Year-Olds</b> Language development and listening skills that include color words, shapes, animals, transportation, countries, community helpers, health, safety, manners, science	<b>Three-Year-Olds</b> 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
<b>Numbers</b>	Simple counting 1–25 Number concepts 1–10	Simple counting 1–30 Number concepts 1–15	
<b>Bible</b>	Hymns/choruses Memory verses	Lessons such as Creation, Noah, Boy Samuel, Daniel, Boyhood of Jesus, Zacchaeus, Good Samaritan	
<b>Music Arts &amp; Crafts</b>	Traditional and fun songs	Colors, shapes, following directions, eye-hand coordination	

# K4 Four-Year-Old Kindergarten

<b>Language Arts</b>	<b>Phonics and Reading</b> 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	<b>Cursive Writing</b> Formation of letters, blends, and words Writing of first name <b>Poetry</b> Twenty-eight poems and finger plays committed to memory	<b>Language</b> Language development and listening skills that include color words, shapes, animals, transportation, countries, community helpers, health, safety, manners, science										
<b>Numbers</b>	Number recognition and counting 1–100 Number concepts 1–20 Numbers before and after 1–20	Numbers largest and smallest 1–20 Addition facts <table style="display: inline-table; vertical-align: middle;"> <tbody> <tr> <td>1 + 1</td> <td>5 + 1</td> </tr> <tr> <td>2 + 1</td> <td>6 + 1</td> </tr> <tr> <td>3 + 1</td> <td>7 + 1</td> </tr> <tr> <td>4 + 1</td> <td>8 + 1</td> </tr> <tr> <td></td> <td>9 + 1</td> </tr> </tbody> </table>	1 + 1	5 + 1	2 + 1	6 + 1	3 + 1	7 + 1	4 + 1	8 + 1		9 + 1	
1 + 1	5 + 1												
2 + 1	6 + 1												
3 + 1	7 + 1												
4 + 1	8 + 1												
	9 + 1												
<b>Bible</b>	Lessons such as Creation, Noah, Boy Samuel, Daniel, Boyhood of Jesus, Zacchaeus, Good Samaritan (includes memory verses and hymns/choruses)												
<b>Music Arts &amp; Crafts</b>	Traditional and fun songs	Development of motor skills in drawing, coloring, cutting, and gluing											

# 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

## 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

## 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 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  
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

## 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, 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

## 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, 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

## 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

### 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

## 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

## 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 and Health

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

Creation and Science  
The Science of Classification  
Mammals  
Birds  
Fish, Reptiles, and Amphibians

Insects and Other Arthropods  
Forestry: Generous Giants  
Ecology: Harmony in God's Creation

## 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

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

## 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  
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

## 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  
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, 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 1<sup>st</sup> and 2<sup>nd</sup> 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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