

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

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