

Eighth Grade

Language Arts

- i. *Grammar*: Capitalization rules. Punctuation rules. Kinds of sentences and diagraming. Eight parts of speech and their uses. Diagraming eight parts of speech. Sentence structure.
- ii. *Composition*: Manuscript form. The writing process. The library. Outlining. Summaries. Book reports. Paragraphs. Descriptions. Research paper. Writing style.
- iii. *Vocabulary, Spelling and Poetry*: Vocabulary lessons. Weekly spelling lessons. Nine poems memorized.
- iv. *Literature*: Reading for enjoyment stories and poems by such authors as Stuart, Whittier, Longfellow, Frost, Hawthorne, Sandburg

Mathematics

- i. *Numbers*: Maintaining skills in fundamental operations. 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.

Science

- i. *Science*: Introduction to Science. Foundation of Geology. Minerals and rocks. Weathering and erosion. Interpreting the fossil record. A survey of the seas. The atmosphere. Weather: water vapor and air masses. Weather: storms and forecasting. Consider the heavens. Man and the universe. Environmental Science.

History

- i. *Social Studies*: 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 the industry. The gilded age. Growing into greatness. Into the twentieth century. The rise of the 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.

Sex Education from the Bible

- i. *Sex Education*: Morality. Dating and marriage. Sins such as adultery, fornication and homosexuality.

Bible

- i. *Bible*: Lessons/ Map journeys, Paul, Joshua and Judges. Includes memory verses and hymns.