

## **EIGHTH GRADE**

### **I. Language Arts**

#### **A. Writing and Grammar**

- Mastery of parts of speech and basic sentence patterns
- Special attention to verbs, adverbs, qualifiers, and conjunctions
- Paragraph and essay writing

#### **B. Vocabulary**

- Study of Latin word parts
- Introduces words in families with a shared prefix, root, suffix
- Synonyms, antonyms, and homonyms

#### **A. Literature**

- Excursions in literature
- Selections provide platform for teaching moral and literary discernment
- Introduction to literary criticism

### **II. History: Land I Love**

#### **A. History of America from the 1490's to 1900's**

#### **B. Special emphasis on the personalities and events that shaped American character**

### **III. Science: Earth Science**

#### **A. The Celestial Sphere**

- the earth's motions
- the stars
- the sun
- the planets
- asteroids, comets, and meteors
- the moon
- space exploration

#### **B. The Atmosphere**

- introduction to meteorology
- water of the atmosphere
- movement in the atmosphere
- weather prediction

### **C. The Lithosphere**

- science, faith, and reason
- introduction to geology
  - minerals and ores
  - rocks and fossils
  - mountains and high hills
  - earthquakes and volcanoes
  - weathering, mass wasting, and erosion

### **D. The Hydrosphere**

- oceans and seas
- glaciers
- the ground water system

## **IV. Mathematics: Pre-Algebra (7th or 8th grade)**

### **A. Maintaining skills in fundamental operations**

### **B. Principles of mathematics**

### **C. English and metric measures**

### **D. Basic algebraic concepts**

### **E. Signed numbers**

### **F. Powers and roots**

### **G. Like and unlike terms**

### **H. Multiplying and dividing monomials**

### **I. Problem solving strategies**

### **J. Reading and constructing graphs**

### **K. Graphical scale drawings**

### **L. Statistics and probability**

### **M. Business math**

### **N. Basic plane and solid geometric concepts**

### **O. Properties of geometric figures**

### **P. Constructing geometric figures**

### **Q. Perimeter, area, and volume**

### **R. Pythagorean rule**

### **S. Sine, cosine, and tangent**

### **T. Scientific notation**

## **V. Computer Usage**

## **VI. Art**

## **VII. Music**

## **VIII. Foreign Language**

## **IX. Physical Education**

## **X. Bible**