

# ***CURRICULUM OVERVIEW***

## **Mathematics: *Saxon Algebra 1/2 or Saxon Algebra 1***

Numeration                      Number Line  
Whole Numbers (all operations)  
Fractions (all operations)    Mixed Numbers  
Decimals (all operations)    Divisibility  
Squaring & Square Root    Multiples  
Percents & Averages        Factors  
Exponents & Powers        Prime Numbers  
Linear Measurement        Conversions  
Negative Numbers            Equations  
Ratio & Proportion        Rounding/Estimation  
Integers                      Word Problems  
Probability and Chance      Graphing  
Estimating/Rounding        Est. Square Roots  
Equivalence, Similarity & Congruence  
Geometric Solids            Construction  
Polynomials                Systems of Equations  
Distribution                Factoring  
Exponents                  Scientific Notation  
Study of All Triangles/Quadrilaterals/Polygons  
Study of the Circle        Study of Volume  
Perimeter/Area/Volume of All Figures  
Study of Money            Business Math  
Compound Interest  
Developing and Solving the Quadratic

## **Reading/Writing/Language**

Intensive Grammar Analysis  
Sentence Structure/Analysis/Diagramming  
Punctuation  
Vocabulary /Etymology/Foreign Sayings  
Literature and Poetry Exploration  
Creative Writing  
Paragraph Writing  
Book Reports/Summaries  
Research Reports  
Writing to Varied Audiences  
Story and Poetry Writing

## **Speech /Communication**

Oral Skills  
Presentations  
Peer Acknowledgment  
Speech and Debate

## **Computer Literacy**

Research Skills  
Word Processing Skills  
COMPASS Lab

## **History**

U.S. History – Growth and Conflict  
- Constitution  
- Development of American Politics, Society and Culture  
- Emergence of Regional Differences  
- Civil War  
- Industrial Revolution  
- WWI and Its Aftermath

## **SMS 8<sup>th</sup> Grade Curriculum**

## **Geography**

Physical /Political/Economic Geography  
Study of Maps  
Landforms  
Weather

## **Science**

### **Life Science:**

- Cells and Cell Processes
- Structures and Functions of Living Things
- DNA, Genetics and Heredity
- Vertebrate and Invertebrate Systems
- The Human Body
- The Scientific Method
- Experiments, Observations and Investigations

## **Faith and Formation**

Daily Prayer/Bible Stories  
Weekly Mass  
*Walking By Faith: Christian Morality*  
Christian Service  
*The 7 Habits of Highly Effective Teens*

## **Physical Education**

Weekly Gym  
Outdoor Sports

## **Fine Arts**

Process Oriented Art/Art History  
Multi-Media Work  
Drawing Skills  
Music Theory & Appreciation  
Vocal and Instrumental Performance  
Optional Lessons/Vocal Choir/Handbells  
Annual Play & Musical Presentations