# The Vanguard School Junior High
## 7th grade

**English**

*Literature*
- Introductory analysis
- Spelling and vocabulary derived from literature
- Selections
  - *Johnny Tremain* by Esther Forbes
  - "The Legend of Sleepy Hollow" and "Rip Van Winkle" by Washington Irving
  - *A Christmas Carol* by Charles Dickens
  - *The Pearl* by John Steinbeck
  - Either *A Midsummer Night's Dream* or *Much Ado About Nothing* by William Shakespeare
  - *The Time Machine* by H.G. Wells

*Writing and Grammar*
- *Warriner's English Grammar and Composition*
- Parts of speech to develop descriptive and vivid writing
- Prepositional and participial phrases for sentence fluency and style
- Independent and subordinate clauses for combining sentences
- Bi-weekly composition practice and instruction

*Speeches*

*Poetry*

**Latin**
- Latin 1A

**Science**

*Life-Structure & Function*
- Classification
- Cell Structure, function, and division
- Genetics
- The environment and change over time

*From Bacteria to Plants and Animals*
- Bacteria and viruses
- Protists and fungi
- Plant processes and reproduction
- Animal Structure and function

*Human Body Systems*
- Digestion and excretion
- Respiration and circulation
- Immunity and disease

*Interactions of Life*
- Population and communities
- Biomes and ecosystems

**History**

*Rise of the American Nation*
- Exploration
- Colonialism in the Western hemisphere
- French and Indian War
- Reasons/cause for Revolutionary War
- Declaration of Independence
- Revolutionary War
- Articles of Confederation
- US Constitution
- Washington and Jefferson presidency
- Louisiana Purchase
- Lewis and Clark
- War of 1812
- Monroe Doctrine
- Early American Industrial Revolution
- Growth of Southern way of life
- Slavery and abolition movement
- Westward expansion
- Early 1800's political compromise
- Civil War

**Math- Saxon**

*Course 2*
- Proficiency in operation
- Simple ratios
- One and two step word problems
- Area of triangles, rectangles, and irregular shapes

*Course 3*
- Ratios and proportions
- Percent increase, tax, tips, and discounts
- Area and perimeter of all basic shapes
- Area and circumference of circles
- Scientific notation
- Simplify expressions, solve equations
- Graph a line in slope intercept form

*Algebra I*
- Graph functions
- Simplify complex expressions
- Solve complex equations
- Factor trinomials
- Real world word problems
- Statistics and probability