

Trinity Lutheran School, Burr Ridge, Illinois
CURRICULUM OVERVIEW – EIGHTH GRADE

The Eighth Grade curriculum incorporates *state learning standards and Trinity's distinctive mission*.
Trinity provides a quality, accredited education in a loving, Christian environment.

Religion

Know we will go to heaven by grace through Jesus
Share God's Word through song and words
Recognize individual differences and accept all people as children of God
Confess sins and feel joy of forgiveness
Memorize and recite Bible verses and the six chief parts of Luther's Small catechism including questions and answers
(All students enrolled in the eighth grade receive this instruction as part of the religion curriculum. However, being confirmed at Trinity Lutheran Church is a personal, spiritual matter that should be discussed with parents and pastor and is not required by our school.)

Mathematics

Use a variety of algorithms to compute real numbers
Solve word problems by translating to mathematical expressions
Use exponents, powers, and roots in mathematical expressions
Apply number patterns
Define and use ratios, proportions and percents
Compute lengths, areas, and volumes in common geometric figures
Convert units from one system to another
Apply the concepts of congruency, symmetry, and similarity
Identify, analyze, and solve problems using algebraic equations, inequalities, functions, and their graphs
Collect, interpret and analyze data in various forms

Advance math students have the opportunity to take Algebra 1

- Solve one and two variable equations by various methods
- Comprehend functions and their graphs
- Factor expressions
- Use the quadratic formula
- Solve rate, coin, commission, and other word problems algebraically

Mathematics CONTINUED

Algebra 1 involves many other concepts too numerous to list here.

Language Arts

- Reading
 - Read God's Word
 - Read for varied purposes
 - Differentiate fact from opinion
 - Compare and contrast
 - Identify and understand figurative language
- Writing
 - Use process writing
 - Write short stories
 - Write paragraphs including an introduction and conclusion
 - Write various kinds of poetry
 - Outline material
 - Write letters
 - Take notes from written material
 - Complete a term paper

Science

Recognize relationships between science, technology, and Christianity
Recognize our responsibility as God's children to protect the environment and natural resources
Know, understand and use the scientific method in an investigation
Use technology to study weather patterns and make predictions
Understand earthquakes, volcanoes, plate tectonics and how they effect changes on the earth
Continue the basic study of earth science
And astronomy
Identify, through investigation, common minerals

Social Studies

Pass the Illinois and United States Constitution tests
Study United States History and its impact on the decisions of today
Recognize God's hand in shaping the history of the United States