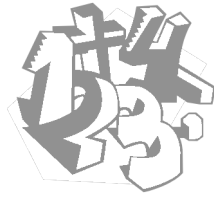


# Math

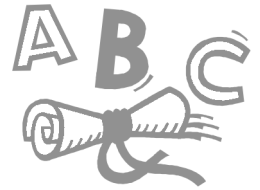


Trinity Lutheran School believes that math is an integral part of our daily lives. We study math to better understand order and pattern within God's creation. The teaching of math from a Christian perspective allows us to use and strengthen the minds God gave us as we apply mathematical understanding toward daily living.

The fifth grade student will:

- 1) State place value and write whole numbers to billions
- 2) Compare and order numbers through the billions
- 3) Round numbers to make reasonable estimates
- 4) Read, write, add, subtract, compare, and order decimals and fractions to the thousandths place
- 5) Know multiplication up to two-digit factors
- 6) Know division up to two-digit divisors
- 7) Compare and convert units between standard and metric measures
- 8) Calculate and relate time and money
- 9) Relate the concepts of variables, expressions, equations, and inequalities
- 10) Use equations to solve mathematical problems
- 11) Identify points, lines, segments, angles, rays and describe common geometric objects
- 12) Recognize the use of perimeter, area, and volume
- 13) Use geometry in problem solving
- 14) Read and use data to compare facts on grids, charts, and line plots
- 15) Relate and evaluate conclusions based on the way data is displayed
- 16) Make mathematical predictions
- 17) Set up an approach to help solve open-ended multi-step problems
- 18) Use critical thinking and logical reasoning to solve situations
- 19) Gather data to help choose logical ways to solve problems

# Language Arts



Trinity Lutheran School believes that the Gospel is the message brought by the very Son of God, our Savior Jesus Christ, and is proclaimed, taught, and shared through words. Those words, God's very words, are preserved in the Bible, which is even called The Word. With God's Word as our foundation, we teach reading, writing, speaking and listening through a variety of oral and written works to equip our students for communication in their daily lives.

The fifth grade student will...

- 1) Read at a minimum rate of 128 correct words per minute
- 2) Be able to use word structure to determine word meanings, distinguish between multiple meaning words, and classify / categorize words
- 3) Use prior knowledge to help with cause-effect and compare-contrast
- 4) Use the author's purpose and perspective to help identify story plots
- 5) Identify the sequence and develop summaries for stories
- 6) Know a variety of literary genres and their basic characteristics
- 7) Develop the writing processes of prewriting, revising, proofreading, and writing to prompts
- 8) Proofread writing to correct convention errors in mechanics, usage, punctuation, using handbooks and references as appropriate
- 9) Use verbs, nouns, pronouns, adjectives, and conjunctions to enhance clear and descriptive writing
- 10) Be able to use an atlas, encyclopedia, technology, the internet, and other references
- 11) Be able to develop expository and persuasive writing
- 12) Use a variety of strategies to expand vocabulary, including structural analysis (prefix, suffix, and base words)
- 13) Structure parts of a sentence (subject/predicate: complete, simple, compound; clauses: independent, dependent, subordinate; phrases) to make a complete thought
- 14) Be able to use 85% correct punctuation in the written language
- 15) Identify and use nouns, pronouns, and adjectives; explore and be able to use verbs; and put into use verb tense
- 16) Capitalize first word of a sentence and greetings, months and days of the week, and titles and initials of people

# Social Studies



Trinity Lutheran School believes that God created the world and all people to live in harmony and cooperation with one another. We believe it is important for students to understand the physical, social, and historical aspects of the world while acknowledging and respecting people of all races and cultures, showing Christian citizenship and love. With God's Word as a guide, students are able to meet the challenges of the changing world.

The fifth grade student will:

- 1) Be able to recognize landforms across the United States
- 2) Analyze major culture groups of the early Native Americans in North America (Northern, Northwestern, Plains, Mound Builders, Eastern Woodlands, and Southwestern Native Americans)
- 3) Describe selected civilizations in other countries (Europe, Mexico and Spain)
- 4) Be able to discuss key people, events, and ideas from colonial America
- 5) Look at challenges faced by the New England, Middle and Southern colonies as they developed and they set up their governments
- 6) Describe the exploration, expansion, and settlement of North America territory (Lewis and Clark, Louisiana Purchase, and southern and western territories)
- 7) Tell how the physical geography and other incentives influenced the movement of people, goods, and services
- 8) Lightly touch on the causes, key events, and the effects of the Civil War
- 9) Explain the post Civil War changes in the United States, and the role of the United State in world affairs through World War I

# "Challenging Young Minds, Nurturing Young Hearts"

Trinity Lutheran School

208 W. 13<sup>th</sup> Str.

Grand Island, NE

## Grade 5

Parent Curriculum Guide

Trinity Lutheran School Mission

"Lift High the Cross of Jesus - Teaching and Caring for All"



# Science



Trinity Lutheran School believes that the Triune God has created and maintains His creation down to the last minute detail. Through Biblical teachings, students will understand that God created all things, and that all scientific information must be interpreted according to God's Word. The teaching of science from a Christian worldview is a necessary part of the curriculum.

The fifth grade student will:

- 1) Begin to interpret and explain the understanding of collecting, manipulating, and analyzing data from an experiment and decide if our conclusions are reasonable
- 2) Develop an understanding of cells and structure and function in living systems
- 3) Explain the process that plants use to make food and energy (photosynthesis/respiration)
- 4) Investigate and describe the Food Chain and Food Web and how it affects the ecosystem
- 5) Investigate and explain factors in a biome
- 6) Be able to describe the crust, mantle, and core of the earth
- 7) Discover how constructive and destructive forces create land forms
- 8) Investigate and describe the water cycle
- 9) Investigate and describe the effect of living organisms on weathering and the atmosphere
- 10) Develop the difference between renewable and nonrenewable energy resources
- 11) Develop an understanding of relationships among populations, resources and environments
- 12) Investigate and understand that the causes of environmental degradation and resource depletion vary locally and globally
- 13) Investigate and describe the effect of natural hazards on the environment (earthquakes, wildfires, tsunamis, floods, and storms)