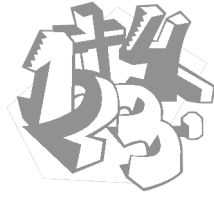


Math

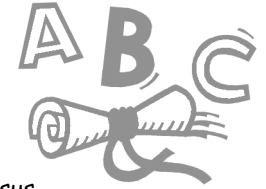


Trinity Lutheran School believes that math is an integral part of our daily lives. We study math to better understand order and pattern within God's creation. The teaching of math from a Christian perspective allows us to use and strengthen the minds God gave us as we apply mathematical understanding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

The sixth grade student will:

- 1) Compare and order whole numbers, decimals, fractions, and integers using place value or a number line
- 2) Estimate and compute sums, differences, products, and quotients with whole numbers, decimals, integers, and fractions
- 3) Represent numbers by using exponents and scientific notation
- 4) Use the order of operations
- 5) Use mathematical properties to solve mental math problems
- 6) To choose an appropriate method of computation
- 7) Find, recognize, describe and extend patterns in sequences
- 8) Identify and evaluate expressions translating between words and math
- 9) Multiply and divide by powers of ten and convert metric measurements
- 10) Write the prime factorization of composite numbers using divisibility rules
- 11) Find the Greatest Common Factor and Least Common Multiple of sets of numbers
- 12) Find the range, mean, median, and mode of a data set
- 13) Display and analyze data in tables, bar graphs, histograms, line graphs, and stem and leaf plots
- 14) Graph ordered pairs on a coordinate grid
- 15) Measure, classify, estimate and draw angles
- 16) Identify and classify different types of lines, triangles, quadrilaterals and polygons
- 17) Identify congruent figures and use congruence to solve problems
- 18) Use translations, reflections, and rotations to transform shapes
- 19) Identify line symmetry and tessellations
- 20) Write ratios and solve problems using proportions
- 21) Write percents as decimals and as fractions and vice versa
- 22) Solve problems using percent
- 23) Identify and graph integers, find opposites and find the absolute value of an integer
- 24) Understand and calculate perimeter, area, volume, circumference and surface area

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 sixth grade student will:

- 1) Read and classify various genres in literature: fiction, nonfiction, poetry, drama
- 2) Identify main idea and supporting details
- 3) Plot story elements: protagonist, antagonist, setting, conflict, rising action, climax, falling action, resolution, theme
- 4) Apply interpretive thinking skills: cause/effect, compare/contrast, fact/opinion, etc.
- 5) Develop vocabulary using assorted strategies
- 6) Read at a rate of 162-192 words per minute with 85% comprehension
- 7) Apply the Six-Traits of Writing: Ideas/Content, Organization, Voice, Word Choice, Sentence Fluency, Conventions
- 8) Write for a designated purpose: descriptive, informative, narrative, persuasive
- 9) Write compositions with an introduction, body, conclusion
- 10) Utilize a range of resources and reference materials to access research information
- 11) Take notes and organize information in preparation to compose
- 12) Edit for correct conventions of writing: capitalization, grammar, punctuation, spelling
- 13) Cite references appropriately
- 14) Identify and construct four basic sentence types
- 15) Identify and construct complete simple and compound sentences
- 16) Identify complete, simple, compound subjects and predicates
- 17) Define and use parts of speech: nouns, verbs, pronouns, adjectives, adverbs, prepositions, articles
- 18) Use conventional spelling in written work
- 19) Spell sixth-grade weekly work lists correctly in student writing

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 sixth grade student will:

- 1) Study and understand the themes of geography
- 2) Identify various geographic features, both physical and political (countries, capitals, landforms, etc.)
- 3) Describe and analyze the relationship between people and geography
- 4) Describe the impact of ancient civilizations of the Americas (Maya, Inca, Aztec)
- 5) Identify the physical geography of North America, Central America, and South America
- 6) Study and analyze the history and culture of the Americas and its effects today
- 7) Describe the impact of the ancient civilizations of Africa (Egypt, Kush, W. Africa)
- 8) Identify the physical geography of the various regions in Africa
- 9) Study and analyze the history and culture of Africa and its effect today

"Challenging Young Minds, Nurturing Young Hearts"

Trinity Lutheran School

208 W. 13th Str.
Grand Island, NE

Grade 6

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 sixth grade student will:

- 1) Develop an understanding of systems, order, organization, form, and function
- 2) Develop an understanding of personal health, natural hazards, risks, and benefits
- 3) Develop an understanding of the history of science
- 4) Develop an understanding of properties, elements, and compounds
- 5) Describe the motion of an object by its position, direction of motion, and speed
- 6) Develop an understanding of populations and ecosystems
- 7) Develop an understanding of diversity and adaptations of organisms
- 8) Develop an understanding of the interior of the earth, constructive and destructive forces, land forms
- 9) Investigate and describe the influence of topography, location, and oceans on climate
- 10) Develop an understanding of the earth's history