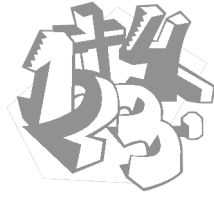


Math

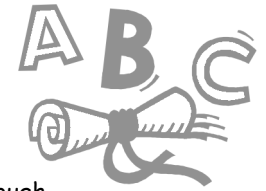


Trinity Lutheran School believes that math is an integral part of our daily lives. We study math to better understand order and pattern within God's creation. The teaching of math from a Christian perspective allows us to use and strengthen the minds God gave us as we apply mathematical understanding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

The seventh grade student will:

- 1) Find the mean, median, mode, and range of a data set
- 2) Organize and interpret data in frequency tables, stem-and-leaf plots, bar graphs, histograms, circle graphs, box and whisker plots, line graphs, and scatter plots
- 3) Represent numbers by using exponents and scientific notation
- 4) Use the order of operations to simplify numerical expressions
- 5) Find the prime factorizations of composite numbers
- 6) Find the greatest common factor and least common multiple of two or more numbers
- 7) Translate words into numbers, variables and operations
- 8) Solve one-step equations using addition and subtraction, multiplication and division with whole numbers, integers, decimals and fractions
- 9) Compare and order integers, rational numbers, fractions, decimals,
- 10) Plot and identify ordered pairs on a coordinate plane
- 11) Identify, write, and convert between equivalent fractions and mixed numbers and fractions, decimals and percents
- 12) Estimate and compute decimal, fraction, and mixed number sums, differences, products, and quotients
- 13) Solve ratios, proportions and related problems
- 14) Estimate percents, find the percent of a number and solve one-step equations and problems containing percents
- 15) Identify and describe geometric figures, angles, lines, circles, triangles, quadrilaterals and polygons
- 16) Find the measures of angles in polygons
- 17) Recognize, describe and show transformations and symmetry
- 18) Convert measurements within the customary and metric systems
- 19) Find the area and perimeter (circumference) of rectangles, other parallelograms, triangles, trapezoids, and circles
- 20) Use the Pythagorean Theorem
- 21) Identify and find the volume and surface area of prisms, cylinders, pyramids, cones, and spheres
- 22) Find experimental and theoretical probability
- 23) Find the number of possible combinations and permutations

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 seventh 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) Identify and define a range of literary techniques: alliteration, assonance, characterization, flashback, foreshadowing, personification, metaphor/simile, onomatopoeia, etc.
- 5) Apply interpretive thinking skills: cause/effect, compare/contrast, fact/opinion, etc.
- 6) Develop vocabulary using assorted strategies
- 7) Read at a rate of 176-206 words per minute with 85% comprehension
- 8) Apply the Six-Traits of Writing: Ideas/Content, Organization, Voice, Word Choice, Sentence Fluency, Conventions
- 9) Write for a designated purpose: descriptive, informative, narrative, persuasive
- 10) Write compositions with an introduction, body, conclusion
- 11) Utilize a range of resources and reference materials to access research information
- 12) Take notes, summarize, and organize information in preparation to compose
- 13) Edit for correct conventions of writing: capitalization, grammar, punctuation, spelling
- 14) Cite references appropriately
- 15) Identify and construct four basic sentence types
- 16) Identify and construct complete simple and compound sentences
- 17) Identify complete, simple, compound subjects and predicates
- 18) Define and use parts of speech: nouns, verbs, pronouns, adjectives, adverbs, prepositions, articles
- 19) Identify and use verbals: participles, gerunds, and infinitives
- 20) Use conventional spelling in written work
- 21) Spell seventh-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 seventh grade student will:

- 1) Review the physical and political aspects of geography (countries, capitals, landforms, etc.)
- 2) Analyze the relationship between people and geography
- 3) Describe the impact of the ancient civilizations of Greece and Rome
- 4) Identify and describe the geography, history, and culture of Greece and Rome
- 5) Study the history of early modern Europe (Middle Ages, Renaissance, Reformation) and its impact on other areas of the world
- 6) Study and analyze the key people, events, and aspects of World War I and II
- 7) Identify and describe the physical geography of Europe and Russia
- 8) Study and analyze the history and culture of Europe and Russia and its effects today
- 9) Describe the impact of the ancient civilizations of Asia (River Valley, India, China)
- 10) Study the origins and developments of various religions (Judaism, Christianity, Islam, Hinduism, Buddhism)
- 11) Identify and describe the physical geography of the Asian regions
- 12) Study and analyze the history and culture of Asian regions and its effects today
- 13) Identify and describe the physical geography of the Pacific World (Australia, New Zealand, Antarctica)
- 14) Study and analyze the history and culture of the Pacific World and its effects today

"Challenging Young Minds, Nurturing Young Hearts"

Trinity Lutheran School

208 W. 13th Str.
Grand Island, NE

Grade 7

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 seventh grade student will:

- 1) Analyze and predict the interactions within a system and between systems
- 2) Create and use classification schemes
- 3) Design and implement a solution or product
- 4) Evaluate and communicate designs or products
- 5) Develop an understanding of science and technology
- 6) Develop an understanding of science and technology in society
- 7) Develop an understanding of science as a human endeavor
- 8) Develop an understanding of the structure and function in living systems
- 9) Develop an understanding of reproduction and heredity
- 10) Develop an understanding of regulation and behavior
- 11) Investigate and describe the water cycle
- 12) Investigate and describe the effect of living organisms on weathering and the atmosphere