

Christ the King Catholic School

Fourth Grade Curriculum

Religion

Students will . . .

- demonstrate an understanding that God gave us rules.
- demonstrate an understanding that conscience helps us choose right from wrong.
- recite and explain the Spiritual Works of Mercy.
- recite and explain the Corporal Works of Mercy.

Content Skills:

- Ten Commandments; Rules of Love
- Beatitudes
- Making Choices
- Spiritual Works of Mercy
- Corporal Works of Mercy
- Choosing Life
- Choosing to Care
- Forgiveness

Reading

Students will . . .

- predict outcomes / infer.
- solve problems / make right decisions.
- recognize cause and effect.

- apply critical thinking skills.
- demonstrate and understanding of unfamiliar words in context.

Content Skills:

- Predictions
- Purposes for Reading
- Word Grids
- Venn Diagram: Comparison and Contrast
- Cause and Effect
- Main Idea
- Topic Sentence
- Guided Reading
- Various Genres

English

Writing

- Follow a writing process to
 - independently use a simple graphic organizer in prewriting
 - generate a draft
 - routinely revise, edit and proofread
 - independently publish writing
- Write narrative text that
 - moves through a logical sequence of events
 - includes details to develop the plot, characters and setting
- Write expository and persuasive paragraphs with
 - a main idea or point to prove
 - three or more supporting details

a concluding sentence

- Write informational reports, diary/journal entries, organized friendly letters, thank-you letters and invitations in a format appropriate to an intended audience and purpose.

Research

- Formulate and research keywords and questions to establish a focus and purpose for inquiry
- Locate and use various resources to find information on keywords and questions
- Identify relevant information and record main ideas and important details in own words
- Informally give credit for others' ideas, images and information, found in various resources
- Identify and explain intended messages conveyed through oral and visual media

Punctuation

- Use conventions of capitalization in written text
 - holidays
 - names of cities and countries
- In composing text, use
 - comma in series
 - comma between city and state
 - apostrophe in contractions
 - apostrophe in singular possessives, with assistance

Grammar

- Use parts of speech correctly in written text
 - verbs that agree with compound subject
 - use conjunctions to connect ideas in a sentence
- In composing text use complete declarative, interrogative, imperative and exclamatory sentences
- Identify and write compound sentences

Spelling

- In writing, use
 - correct spelling of grade-level frequently used words
 - spelling strategies and patterns
 - classroom resources and dictionary to verify correct spelling

Math

Students will . . .

- demonstrate an understanding of place value.
- add and subtract any number.
- multiply and divide whole numbers using 2-digit factors and divisors.
- add and subtract decimals up to hundredths.
- read, set-up, and solve word problems.
- identify basic geometric shapes.

Content Skills:

- place value to millionths
- basic addition and subtraction facts of whole numbers
- multiplication and division of whole numbers
- comparing and reducing fractions with like denominators
- adding and subtracting fractions with like and unlike denominators
- using a number line
- reading, writing, and comparing decimals to hundredths
- adding and subtracting decimals to hundredths
- time and measurement calculations: standard and metric
- Geometry: lines, circles and solid shapes
- Statistics: graphing and probability
- Problem solving

Science

Matter and Energy

- Describe and compare the masses of objects to the nearest gram using balances.
- Describe and compare the volumes of objects using a graduate cylinder.
- Identify water as a solvent that dissolves (not the term “solvent”)
- Recognize the mass of water remains constant as it changes state (In a closed container)
- Construct and diagram a complete electric circuit by using a source, means of transfer, and a receiver.

- Observe and describe the evidence of energy transfer in a closed series circuit.
- Classify materials as conductors or insulators of electricity when placed within a circuit.
- Identify the evidence of energy transformations (temperature change, light, sound, motion, and magnetic effects) that occur in electric circuits.
- Diagram and distinguish between complete series and parallel circuits.
- Identify the advantages and disadvantages of series and parallel circuits

Living Organisms

- Compare structures (e.g. wings vs. fins, gills vs. lungs) that serve similar functions for animals belonging to different vertebrate classes.
- Explain how similarities are the basis for classification.
- Distinguish between plants (which use sunlight to make its own food) and animals (which must consume energy-rich food).
- Classify vertebrate animals into classes based on their characteristics.

Ecology

- Identify the ways a specific organism may interact with other organisms or with the environment. (e.g. pollination, camouflage, migration)

- Recognize different environments (i.e. pond, forest, prairie) support the life of different types of plants and animals.
- Identify examples in Missouri where human activity has had a beneficial or harmful effect on other organisms.
- Classify populations of organisms as producers, consumers, or decomposers by the role they serve in the ecosystem.
- Differentiate between the three types of consumers (herbivore, carnivore, omnivore)
- Categorize organisms as predator or prey in a given ecosystem.
- Identify specialized structures and describe how they help plants survive in their environment.
- Identify specialized structures and senses and describe how they help animals survive in their environment.
- Recognize internal cues and external cues that cause organisms to behave in certain ways.
- Predict which plant or animal will be able to survive in a specific environment based on its special structures or behaviors.

Earth Systems

- Describe and trace the path of water as it cycles through the hydrosphere, geosphere, and atmosphere.
- Identify the different forms that water can take (e.g. snow, rain, sleet, fog, clouds) as it moves through the water cycle.
- Explain how major bodies of water are important natural resources for human activity (e.g. food, recreation, habitat, irrigation).

- Describe how human needs and activities have affected the quantity and quality of major bodies of fresh water.
- Propose solutions to problems related to water quality and availability that result from human activity.
- Identify the major landforms on Earth.
- Describe how weathering agents (e.g. water, chemicals, temperature, wind, plants) cause surface changes that create and/or change Earth's surface materials and/or landforms.
- Describe how erosional processes (i.e. action of gravity, waves, wind rivers, glaciers) cause surface changes that create and/or change Earth's surface materials and/or landforms.

Scientific Inquiry

- Formulate testable questions and explanations.
- Recognize the characteristics of a fair and unbiased test.
- Conduct a fair test to answer a question.
- Make qualitative observations using the senses.
- Make observations using simple tools and equipment.
- Measure length to the nearest centimeter, mass using grams, temperature using degrees Celsius, volume to the nearest milliliter.
- Compare amounts using measurements.
- Judge whether measurements and computation of quantities are reasonable.
- Use quantitative and qualitative data as support for reasonable explanations.

- Use data as support for observed patterns and relationships, and to make predictions to be tested.
- Evaluate the reasonableness of an explanation.
- Analyze whether evidence supports proposed explanations.
- Communicate the procedures and results of investigations through:
 - Oral presentations
 - Drawings and maps
 - Data tables
 - Graphs
 - Written Summaries

Science and Technology

- Design and construct an electrical device that can be used to perform a task.
- Describe how new technologies have helped scientists make better observations and measurements for investigations.
- Identify how the effects of inventions or technological advances may be helpful, harmful, or both.
- Research biographical information about scientists and inventors and describe how their work contributed to science and technology.

Social Studies

Geography and Map Skills

Students will . . .

- Identify the six regions of the United States
- Name states and capitals of each of six regions in US

- Describe the environment of each US region
- Identify major historical events and people that affected the history of each region of the US
- Identify and describe the economic activity of each region that contributes to the regions growth
- Identify and use line of longitude and latitude
- Locate given points on a map using longitude and latitude coordinates
- Locate, identify and label the prime meridian, equator, hemispheres, Tropic of Cancer and Capricorn and the Artic Circle
- Compare large and small scale maps
- Read and interpret special purpose maps; distribution (analyze population), vegetation (identify plant life and climate), road maps, elevation maps
- Identify the major oceans
- Understand what a globe represents
- Identify the seven continents
- Recognize cardinal and intermediate directions
- Identify and use a compass rose
- Understand the purpose and identify map features: titles, keys, scale, compass rose

Reading, Thinking & Study Skills

Students will . . .

- Read and interpret a time line
- Summarize given information
- Read and interpret circle and line graphs

- Describe the purposes and use correctly reference sources: dictionary, encyclopedia, CDs
- Identify and follow given problem solving steps
- Use decision making skills to understand history
- Identify cause and effect
- Recognize different points of view

Missouri

Students will . . .

- Identify the first people to inhabit Missouri
- Identify the origin and name of the state of Missouri
- Identify the five major regions and describe the climate of Missouri
- Locate the Missouri and Mississippi Rivers on a map
- Label, locate, identify the eight states that border Missouri
- Describe the early explorers and their impact on the state of Missouri
- Describe the founding of St. Louis
- Identify and describe the influence of the French in Missouri
- Recognize the importance of the Louisiana Purchase to the development and growth of Missouri
- Describe the early settlement of Missouri
- Identify the important historical figures that settled the Louisiana Purchase
- Identify Missouri's first governor, capital, and how Missouri became a state
- Describe the important people and the pioneer settlement of Missouri
- Describe the early travel of Missouri

- Explain why Missouri is known as “the Gateway to the West”.
- Explain the influence and impact of the Civil War
- Name some of the famous Civil War battles in Missouri
- Explain the Missouri Compromise
- Identify the effect of Reconstruction in Missouri
- Describe the impact of the Industrial Revolution to the state of Missouri
- Recognize the important historical people and events that influences life in Missouri before and after WWI and WWII
- Identify the branches of government at the federal and state level
- Identify and write a report on one of the famous people of Missouri