



Zion Lutheran School

Christ-Centered, Classical Education

FIRST

GRADE

STANDARDS

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1ST GRADE LANGUAGE ARTS STANDARDS

READING

1.1 *First-grade students will acquire reading skills and fluency to gain information and ideas, while using strategies for constructing meaning that connect what is read to present understandings so as to build a strong foundation for growth as lifelong learners.*

1.1.1 Develop reading proficiency.

The student will be able to...

- I.1.1.1 Distinguish vowel and consonant sounds.
- I.1.1.2 Recognize sounds within words.
- I.1.1.3 Match spoken and printed words.
- I.1.1.4 Verbalize rhyming words, including those with consonant blends.
- I.1.1.5 Recognize letters, words, and sentences.
- I.1.1.6 Read common and sight words, compound words, and contractions.
- I.1.1.7 Recognize that sentences begin with capital letters and end with punctuation such as periods, question marks, and exclamation points.
- I.1.1.8 Read fluently using appropriate phrasing and expression.

I.1.2 Build an extensive vocabulary.

The student will be able to...

- I.1.2.1 Use base words to build vocabulary.
- I.1.2.2 Use context clues to build vocabulary.
- I.1.2.3 Tell the meaning of simple affixes.
- I.1.2.4 Recognize words that have more than one meaning.

I.1.3 Comprehend what is read.

The student will be able to...

- I.1.3.1 Use pre-reading strategies to access prior knowledge, preview, predict with evidence, and set a purpose for reading.
- I.1.3.2 Use strategies to self-question and correct, infer, predict, and check using cuing systems during reading.
- I.1.3.3 Develop and apply post-reading skills to respond to text including reflection, analysis, and drawing conclusions.
- I.1.3.4 Retell the central ideas of expository or narrative passages.

I.1.4 Read for a purpose.

The student will be able to...

- I.1.4.1 Locate and use information found in the title, pictures, and names of author and illustrator.
- I.1.4.2 Identify and explain story elements.
- I.1.4.3 Identify various types of print materials, such as lists, signs, cereal boxes, fairy tales, fables, and informational/trade books.
- I.1.4.4 Read and explain labels and environmental print.

1.1.4.5 Set a reading goal.

1.1.5 Distinguish types of text.

The student will be able to...

1.1.5.1 Contrast narrative, expository, and technical texts.

1.1.5.2 Appreciate a variety of text, including fiction, nonfiction, and poetry.

1.1.5.3 Recognize rhythm and rhyme in poetry and prose.

LITERATURE

1.2 *First-grade students will understand and appreciate, as appropriate for their age, the structure and intent of literature, as well as techniques used to transmit ideas and evoke responses in ways that reflect cultures and eras, express creations of the human imagination, and connect with their own lives and experiences.*

1.2.1 Examine content and structure of literary text.

The student will be able to...

1.2.1.1 Identify and describe the elements of plot, setting, and characters in a story.

1.2.1.2 Identify the beginning, middle, and ending of a story.

1.2.1.3 Identify problems and solutions in a text.

1.2.1.4 Talk and write about themes in written works.

1.2.1.5 Tell how authors and illustrators work together to create a printed story.

1.2.2 Demonstrate the ability to understand and interpret grade-level literary text.

The student will be able to...

1.2.2.1 Distinguish between declarative, exclamatory, and interrogative sentences.

1.2.2.2 Ask questions to identify and clarify main ideas and supporting details.

1.2.2.3 Demonstrate the ability to follow simple directions.

1.2.2.4 Relate characters and simple events in a story or biography to own life.

1.2.3 Listen to, read, and respond to a wide variety of literature of varying complexity.

The student will be able to...

1.2.3.1 Summarize a text, identifying the main idea.

1.2.3.2 Distinguish fantasy from reality.

1.2.3.3 Recognize various cultures reflected in literature.

WRITING

1.3 *First-grade students will write clearly to convey an intended message and meaning aimed at a variety of audiences in assorted styles, applying standard grammar and syntax.*

1.3.1 Demonstrate knowledge and proper use of language conventions, such as spelling, grammar, punctuation, capitalization, and penmanship.

The student will be able to...

1.3.1.1 Use parts of speech correctly, recognizing nouns, and verbs.

1.3.1.2 Identify and correctly use contractions.

1.3.1.3 Capitalize the first word of a sentence, names of people, and the pronoun I.

1.3.1.4 Use a period, exclamation point, or question mark at the end of sentences.

1.3.1.5 Write complete coherent sentences.

1.3.1.6 Spell age-appropriate words correctly.

1.3.1.7 Write legibly with appropriate letter size and shape, placing correct space between letters and words.

1.3.1.8 Alphabetize words according to initial letter.

1.3.2 Apply the steps of the writing process.

The student will be able to...

1.3.2.1 Brainstorm to develop ideas.

1.3.2.2 Select a focus.

- 1.3.2.3 Write to express own ideas, to inform, and to entertain.
 - 1.3.2.4 Prepare a draft using descriptive words.
 - 1.3.2.5 Edit and proofread.
 - 1.3.2.6 Publish completed work.
- 1.3.3 Compose well-organized and coherent writing for specific purposes and audiences.

The student will be able to...

- 1.3.3.1 Write simple rhymes, narratives, and informational pieces.
 - 1.3.3.2 Recognize various forms of written communication (thank-you notes, letters, lists, poems, invitations).
 - 1.3.3.3 Identify and write for a target audience.
- 1.3.4 Explore and use a variety of types of writing, such as narrative and expository texts.

The student will be able to...

- 1.3.4.1 Write expository descriptions of a real object, person, place, or event, using sensory details.
- 1.3.4.2 Create a narrative describing an experience.
- 1.3.4.3 Compose letters.
- 1.3.4.4 Write first and last name and contact address.

SPEAKING, LISTENING, AND VIEWING (MEDIA LITERACY)

- 1.4 *First-grade students will recognize and demonstrate the ability to use good speaking, listening, and viewing skills in sending, receiving, understanding, and evaluating messages.*
- 1.4.1 Communicate effectively using oral, visual, and multimedia forms in ways appropriate to topic, context, audience, and purpose.

The student will be able to...

- 1.4.1.1 Listen attentively for enjoyment, information, and direction.
- 1.4.1.2 Ask questions for clarification and understanding.
- 1.4.1.3 Demonstrate an understanding of simple nonverbal cues.
- 1.4.1.4 Use descriptive words when speaking about people, places, things, and events.

- 1.4.1.5 Give and follow simple directions.
- 1.4.1.6 Act out a story to demonstrate comprehension and to creatively express thoughts and feelings.

1st GRADE MATHEMATICS STANDARDS

1.1 NUMERATION/NUMBER SENSE

1.1.1 *By the end of first grade, students will recognize, write, and orally express the sequential order of the number system.*

1.1.1.1 Count and write numbers 0-122.

1.1.1.2 Count by 2s, 5s, 10s and 100s.

1.1.1.3 Count backward from 10 to 1.

1.1.1.4 Identify ordinal positions.

1.1.1.5 Identify odd and even numbers.

1.1.1.6 Order numbers 0-100.

1.1.2 *By the end of first grade, students will demonstrate ways of representing numbers and compare relations among numbers.*

1.1.2.1 Order sets from smallest to largest (least to greatest).

1.1.2.2 Identify and illustrate halves and fourths.

1.1.2.3 Write numbers 0-10 using words and match quantities to a set.

1.1.3 *By the end of first grade, students will identify numbers and applications in everyday situations.*

1.1.3.1 Identify the value of a collection of pennies, nickels and dimes.

1.1.3.2 Count a large set of objects.

1.1.4 *By the end of first grade, students will demonstrate the value of numbers (0-20) using concrete objects.*

1.1.4.1 Use dimes and pennies to add two-digit numbers without and without regrouping.

1.1.4.2 Use linking cubes to demonstrate place value.

1.1.4.3 Identify place value for each digit in numbers 1-100.

1.2 COMPUTATION/ESTIMATION

1.2.1 *By the end of first grade, students will demonstrate the concepts of addition and subtraction up to 10.*

1.2.1.1 Model addition and subtraction problems.

1.2.1.2 Write addition and subtraction problems.

1.2.2 *By the end of first grade, students will justify estimations to mathematical problems.*

1.2.2.1 Estimate monetary amounts and count to justify answer.

1.2.2.2 Make estimations dealing with weight.

1.2.2.3 Estimate measurements of length.

1.3 MEASUREMENT

1.3.1 *By the end of first grade, students will measure two or more items or sets using nonstandard units of measure and compare attributes.*

1.3.1.1 Identify weight (lighter/heavier).

1.3.1.2 Use linking cubes to measure length (shorter/longer) and height (taller/shorter).

1.3.2 *By the end of first grade, students will identify tools of measurement and their appropriate use (clocks, calendar, ruler, balance scale, and thermometer).*

1.3.2.1 Identify different types of clocks.

1.3.2.2 Number a clock face.

1.3.2.3 Use a calendar to determine dates.

1.3.2.4 Use a ruler to draw line segments.

1.3.2.5 Identify a balance scale and how its proper use.

1.3.3 *By the end of first grade, students will tell time to the half-hour using an analog and digital clock.*

1.3.3.1 Show time to the hour on an analog and digital clock.

- 1.3.3.2 Show time to the half-hour using an analog and digital clock.
- 1.3.4 *By the end of first grade, students will identify the different units of measurement used in their environment (cents, dollars, pounds, gallons, liters, meters, miles, minutes, and hours).*
 - 1.3.4.1 Write money amounts using the cent and dollar symbol.
 - 1.3.4.2 Identify liquid measurements and order containers by capacity.
 - 1.3.4.3 Use a clock to identify minutes and hours.
 - 1.3.4.4 Measuring and drawing line segments to the nearest inch.
 - 1.3.4.5 Use different measurements to follow a recipe.
- 1.3.5 *By the end of first grade, students will identify past, present, and future as orientations in time.*
 - 1.3.5.1 Order events by time.

1.4 GEOMETRY/SPATIAL CONCEPTS

- 1.4.1 *By the end of first grade, students will compare relative position (left/right, above/below, over/under, up/down, and near/far).*
 - 1.4.1.1 Use spatial relationships, such as up/down, top/middle/bottom and above/below.
 - 1.4.1.2 Identify left/right to compare position.
 - 1.4.1.3 Compare inside/outside of a shape.
 - 1.4.1.4 Use a hundred number chart to identify before/after.
- 1.4.2 *By the end of first grade, students will identify, describe, and create circles, squares, triangles, and rectangles.*
 - 1.4.2.1 Identify a circle and a square.
 - 1.4.2.2 Identify the number of sides and angles of a square.
 - 1.4.2.3 Identify a triangle and the number of sides and angles.
 - 1.4.2.4 Make shapes on a geoboard.
 - 1.4.2.5 Identify a rectangle and the number of sides and angles.
 - 1.4.2.6 Identify and make congruent shapes.
 - 1.4.2.7 Name attributes of pattern blocks and use pattern blocks to make new shapes.

1.5 DATA ANALYSIS, PROBABILITY, AND STATISTICAL CONCEPTS

1.5.1 *By the end of first grade, students will collect information about objects and events in their environment (favorite candy bar, number of siblings, and number of pets).*

1.5.1.1 Take lunch and attendance counts.

1.5.1.2 Use tally marks.

1.5.2 *By the end of first grade, students will organize and display collected information using objects and pictures.*

1.5.2.1 Place an object on a graph.

1.5.2.2 Graph a picture on a pictograph.

1.5.2.3 Create a graph.

1.5.2.4 Make a bar graph.

1.5.3 *By the end of first grade, students will compare and interpret information from displayed data (more, less, and fewer).*

1.5.3.1 Identify most and fewest on a graph.

1.5.3.2 Read a bar graph.

1.5.3.3 Read a graph.

1.5.3.4 Identify how many more on a graph.

1.5.4 *By the end of first grade, students will describe the process used in data collection and analysis.*

1.5.4.1 Describe the process of collecting, recording, graphing and analyzing data.

1.6 ALGEBRAIC CONCEPTS

1.6.1 *By the end of first grade, students will identify, describe, extend, and create patterns (objects, sounds, movements, shapes, numbers, and colors).*

1.6.1.1 Create a pattern.

1.6.1.2 Extend a pattern.

1.6.1.3 Use a hundred number chart to identify patterns.

1.6.2 *By the end of first grade, students will sort and classify objects according to one or more attributes (size, shape, color, and thickness).*

1.6.2.1 Sort objects by color and/or shape.

1.6.2.2 Sort objects by one attribute.

1.6.2.3 Sort common objects.

1.6.3 *By the end of first grade, students will identify and describe patterns in their environment.*

1.6.3.1 Identify seasons as a pattern.

1ST GRADE RELIGION STANDARDS

By the end of Grade 1, students will be able to do the following:

- 1.1 Explain that God sent Jesus to be the Savior for all people.
- 1.2 Praise and thank God for all His goodness to them, especially for His love for them in Jesus.
- 1.3 Recognize that God promises to be with them and always bless them.
- 1.4 Verbalize that Jesus was born as a baby to grow up to suffer and die on the cross.
- 1.5 Demonstrate a desire to tell others about Jesus, the Savior of the world.
- 1.6 Ask God to help them grow as Jesus grew.
- 1.7 Perform acts of kindness as they serve one another in love.
- 1.8 Rejoice in the hope that because of Jesus' death and resurrection, they, too, will live in heaven.
- 1.9 Acknowledge that Jesus is alive.
- 1.10 Joyfully worship God in obedience, through songs, prayers, and actions.
- 1.11 Demonstrate a desire to share God's gifts to them with others.
- 1.12 Recognize that God calls them to be His own dear children so that they may follow His purpose and plan for their lives.
- 1.13 Express a desire to go to God in prayer, trusting that He will answer the prayers according to His plan for their lives.
- 1.14 Demonstrate self-control as they realize that God gives them the ability to live as His redeemed children who obey His will for their lives.
- 1.15 Rejoice that God loves them not because of their looks, abilities, strength, or age but because they are His own forgiven children, redeemed by Christ Jesus.
- 1.16 Acknowledge that they can hear God's Word and learn about Jesus at home or in school as well as in church.
- 1.17 Define prayer as simply talking to their heavenly Father.
- 1.18 Praise God that He provides for life on earth and forever in the promised land of heaven.
- 1.19 Appreciate God's care for them and the wonder of creation.
- 1.20 Respond in thanks for God's great blessings by loving and taking care of the things He has given us.

- 1.21 Plan ways to offer their love to God by giving Him their gifts of time, praise, money, and talents.
- 1.22 Praise God that He takes care of our physical and spiritual needs.
- 1.23 Express appreciation of the special words the Lord taught us in the Lord's Prayer.

1ST GRADE SOCIAL STUDIES STANDARDS

GEOGRAPHY

1.1 *First-grade students at Zion Lutheran School of Kearney will have the opportunity to learn geographic skills, to develop their knowledge of the Earth, and to grow in understanding and appreciation of their responsibilities as stewards of all the Earth's resources.*

1.1.1 Develop skills in using geographic tools helps people understand the world from a spatial perspective.

The student will be able to ...

1.1.1.1 Observe and record daily weather

1.1.1.2 Define and explain boundaries

1.1.1.3 Position objects or structures on a simple map

1.1.1.4 Create a map using symbols and a map key.

1.1.1.5 Understand the basic orientation of maps and globes.

1.1.1.6 Identify land and water areas on a map and a globe; locate the students' home states on a map and a globe.

1.1.1.7 Describe characteristics of large geographic areas (e.g., desert, forest, arctic areas).

1.1.2 The physical characteristics of places and regions influence where and how people live and work (Physical and Human Systems).

The student will be able to ...

1.1.2.1 Locate their community, state, and country on a map; related these locations to geographic features.

1.1.2.2 Tell about the physical and cultural aspects of life in their area before the arrival of Europeans.

1.1.3 Understanding the damage that results from mismanagement of our natural resources and the failure to care appropriately for our environment, responsible people practice good stewardship of the Earth and its resources.

The student will be able to ...

- 1.1.3.1 Talk about the changes people make to the environment (e.g., farming, building highways, building dams) and why they make these changes.
- 1.1.3.2 List things people do to help the environment.

HISTORY

- 1.2 *First-grade students at Zion Lutheran School will have the opportunity to develop their knowledge of history and to grow in their ability to understand and use the skills necessary to apply the lessons learned from history in their everyday lives.*

Historical Knowledge

- 1.2.1 *By developing research skills and learning to interpret and analyze primary and secondary resources, students will develop a basic understanding of concepts in history studies.*

The student will be able to ...

- 1.2.1.1 Explain the value of knowing about the history of people living in other places.
- 1.2.1.2 Identify a prominent historical person and event from stories about the past.
- 1.2.1.3 Portray the life of a historic man, woman, boy, or girl through the use of drawings or a role play.
- 1.2.1.4 Describe the contribution of historical figures including George Washington and Thomas Jefferson during the early years of our nation.
- 1.2.1.5 Tell how people of the past traded, made a living, and were governed.
- 1.2.1.6 List things that have changed and things that have remained the same when comparing their lives with those of parents and grandparents.
- 1.2.1.7 Explain the origins of selected holidays such as Martin Luther King Day, Independence Day, and Veterans Day.

HISTORY SKILLS

- 1.2.2 *As students study history they will develop skills necessary for clear analysis and reasoned problem solving.*

The student will be able to ...

- 1.2.2.1 Use a calendar effectively; name the days of the week and months of the year.
- 1.2.2.2 Make calendars and timelines.
- 1.2.2.3 Relate events on a timeline to one another; place school and community events in chronological order.
- 1.2.2.4 Discuss how facts and opinions differ.
- 1.2.2.5 Recognize that we learn about the past through a variety of resources (e.g., photographs, journals, yearbooks, newspapers, books); use these resources in discussions of past and current events.

SOCIETY & CULTURE

- 1.3 *First-grade students at Zion Lutheran School of Kearney will have the opportunity to develop social and cultural knowledge and to appreciate all people.*

- 1.3.1 Individuals and groups cooperate to meet needs.

The student will be able to ...

- 1.3.1.1 Talk about the roles of family members.
- 1.3.1.2 Tell how individuals influence one another.
- 1.3.1.3 Describe various roles of people in the community (e.g., father, cousin, employer, and friend).
- 1.3.1.4 Describe someone who works to improve life in your community.
- 1.3.1.5 Identify the goods and services consumed by families and identify those that come from outside the local community.

- 1.3.2 Individuals and groups deal with conflict and change as they interact with each other.

The student will be able to ...

- 1.3.2.1 Explain and demonstrate the value of honesty, truthfulness, and respect in dealing with others.

- 1.3.2.2 Explore ways that people show care and respect, behave responsibly, and resolve conflict.
- 1.3.3 People of various ethnic groups enrich society as they follow their customs and celebrate their heritage.

The student will be able to ...

- 1.3.3.1 Describe and tell the importance of various family customs, traditions, and beliefs.
- 1.3.3.2 Give examples of traditions found in their community.
- 1.3.3.3 Contrast and compare families with regard to customs, foods, activities, and events.
- 1.3.3.4 Identify people, food, and artifacts that come from another country.
- 1.3.3.5 Explain the benefits cultural diversity brings to a community.

CITIZENSHIP & GOVERNMENT

1.4 *First-grade students at Zion Lutheran School of Kearney will have the opportunity to develop their knowledge of forms of governance and to understand their responsibilities as citizens.*

- 1.4.1 As they are designed and organized, governments function to protect the citizenry, to provide for their collective needs, and to promote the common good.

The student will be able to ...

- 1.4.1.1 Name several authority figures in the home, school, and community and describe what they do.
 - 1.4.1.2 Identify community helpers and explain their important work.
 - 1.4.1.3 Describe the role and function of the local government.
 - 1.4.1.4 Describe the functions performed by the mayor, governor, and president. Identify officials carrying out those functions. Give examples of similar leaders in countries other than the United States.
 - 1.4.1.5 Vote to make decisions.
- 1.4.2 The principles, purposes, and ideals upon which the United States was founded provide freedoms, rights, and responsibilities.

The student will be able to ...

- I.4.2.1 Write, explain, and follow classroom rules.
 - I.4.2.2 Explain how school rules promote order and safety.
 - I.4.2.3 Make and post a list of student rights and responsibilities.
 - I.4.2.4 Explain how rules and their consequences are decided.
 - I.4.2.5 Give examples of rules and their consequences that students have at home, in school, and in the community.
 - I.4.2.6 Discuss how the Pledge of Allegiance promises loyalty to our nation.
 - I.4.2.7 Identify patriotic and national symbols such as the flag, the Liberty Bell, and the Alamo.
 - I.4.2.8 Predict outcomes based on factual information.
- I.4.3 Citizens in a free society have the right and responsibility to uphold, support, and participate in the democratic process.

The student will be able to ...

- I.4.3.1 Explain rights and how responsibilities accompany them.
- I.4.3.2 Demonstrate accountability and responsibility for personal actions.
- I.4.3.3 Identify people being responsible at home or in school.
- I.4.3.4 Discuss and use a process for making personal decisions.
- I.4.3.5 Identify fair ways that decisions can be made by a group.
- I.4.3.6 Identify ways that people influence each other.
- I.4.3.7 Work together to solve a problem.
- I.4.3.8 Evaluate the decisions story characters made in light of the consequences associated with those decisions.
- I.4.3.9 Tell how our nation's customs, symbols, observances, and celebrations give evidence of our values of individualism, inventiveness, and freedom.

ECONOMICS

- I.5 *First-grade students at Zion Lutheran School of Kearney will have the opportunity to develop their knowledge of economic concepts, issues, and systems and to develop their decision-making skills as participants in the economy of an interdependent world.*

1.5.1 Economic systems, institutions, and incentives affect people in many aspects of life.

The student will be able to ...

1.5.1.1 Identify the jobs of those who work at the school

1.5.1.2 Describe the kinds of work people do in their environment to meet their needs.

1.5.1.3 Tell how choices made by consumers affect business.

1.5.2 A market economy (capitalism) distributes resources by seeking to balance supply with demand.

The student will be able to ...

1.5.2.1 Identify the markets they experience in their daily lives.

1.5.2.2 Define and identify resources.

1.5.2.3 Describe how people use resources from the environment to meet their needs and wants.

1.5.2.4 Distinguish between wants and needs; explain how scarcity requires people to make choices.

1.5.2.5 Tell how people exchange goods and services to get the things they want.

1ST GRADE SCIENCE STANDARDS

PHYSICAL SCIENCES

I.1 *First-grade students at Zion Lutheran School of Kearney will grow in understanding concepts related to the physical sciences.*

I.1.1 Composition of Matter

The student will be able to ...

I.1.1.1 Describe and sort objects according to their texture, size, color, shape, and the material from which they were made, using all the senses except for taste.

I.1.1.2 Tell how heating, freezing, mixing, cutting, wetting, dissolving, bending, and exposing to light can change the properties of materials.

I.1.1.3 Differentiate solids (e.g., rocks), liquids (e.g., water), and gases (e.g., air), providing examples of each.

I.1.1.4 Explain that solids have a definite shape, while liquids flow and take the shape of their containers.

I.1.2 Magnetism, Force, and Motion

The student will be able to ...

I.1.2.1 Demonstrate how to move objects with a magnet without touching them.

I.1.3 Energy

The student will be able to ...

I.1.3.1 Explore ways to make objects move and explain what causes objects to change speed and direction or to stop moving.

I.1.3.2 Describe the sun as an energy source that warms the earth.

I.1.3.3 Identify various energy sources, including food, gasoline, and electricity.

I.1.4 Simple Machines

The student will be able to ...

- I.1.4.1 Identify and describe simple machines such as levers, wedges, and inclined planes.
- I.1.4.2 Tell how simple machines, such as pulleys, wheels, and gears, help do work.

I.1.5 Sound

The student will be able to ...

- I.1.5.1 Demonstrate that vibrating objects make sounds and that vibrations can be seen and/or felt.
- I.1.5.2 Distinguish between sounds that are high and low, loud and soft.

I.1.6 Light

The student will be able to ...

- I.1.6.1 Differentiate between items through which light can pass and those through which light cannot pass.
- I.1.6.2 Explain the relationship between light and shadows.

LIFE SCIENCES

I.2 *First-grade students at Zion Lutheran School will grow in understanding of concepts related to the life sciences.*

I.2.1 Plants and Animals

The student will be able to ...

- I.2.1.1 Classify familiar and unfamiliar organisms according to their external structures (e.g., body covering, appendages, shape).
- I.2.1.2 Tell how external structures enable specific animals to obtain food, avoid predators and other dangers, move from place to place, and communicate.
- I.2.1.3 Describe the external structures of seeds that help them to be dispersed.
- I.2.1.4 Observe and describe how plants and animals change as they grow.
- I.2.1.5 Explain that the roots of plants take in water and soil nutrients and that, in their green leaves, plants use sunlight to make food.

1.2.2 Ecosystems

The student will be able to ...

- 1.2.2.1 Describe the basic needs of all life-forms, including people, as air, water, food, and a place to live (habitat).
- 1.2.2.2 Describe how plants and animals make use of other plants and animals for food, shelter, and nesting.
- 1.2.2.3 Give examples to explain that plants and animals inhabit different kinds of environments and have external features that help them thrive in different kinds of places (e.g., forest habitat, underground habitat, desert habitat, water habitat).
- 1.2.2.4 Describe the care that needs to be given to ensure that plants and animals will continue to have the habitats they need to survive.

1.2.3 Healthy Life

The student will be able to

- 1.2.3.1 Give examples of what bones and muscles do for the human body.

1.2.4 Heredity

The student will be able to ...

- 1.2.4.1 Describe how plants and animals resemble their parents.
- 1.2.4.2 Describe how humans observe their surroundings by using the five senses.

NATURAL SCIENCES

- 1.3 *First-grade students at Zion Lutheran School of Kearney will grow in understanding concepts related to the natural sciences.*

1.3.1 Weather and Seasons

The students will be able to ...

- 1.3.1.1 Recognize that the weather changes from day to day according to the season.
- 1.3.1.2 Use tools such as thermometers and wind vanes to observe, measure, record, and describe weather conditions.

1.3.1.3 Understand that clouds form when vapor cools

SCIENCE PROCESSES & APPROACHES

1.4 *First-grade students at Zion Lutheran School of Kearney will grow in understanding concepts related to science processes and approaches.*

1.4.1 Scientific Methods

The student will be able to ...

1.4.1.1 Make observations, ask questions, and develop a hypothesis.

1.4.1.2 Verify a hypothesis by means of a test or experiment and by consulting print and non-print resources.

1.4.1.3 Use appropriate safety procedures

1.4.1.4 Make and record observations in metric unites.

1.4.1.5 Record data using charts, tables, graphs, and picture graphs.

1.4.1.6 Identify patters found in nature (e.g., leaf patterns).

1.4.1.7 Construct objects and describe the constructed objects.

1.4.2 Scientific Knowledge

The student will be able to ...

1.4.2.1 Recognize that when people work together to solve a problem, they can do things they could not do alone.

1.4.2.2 Identify items available today that were not available long ago.

1.4.2.3 Recognize that all people can think like a scientist, invent things, and have scientific ideas regardless of where they live.

1.4.3 Scientific Instruments and Technology

The student will be able to ...

1.4.3.1 Use simple tools, such as a ruler, thermometer, hand lenses, and binoculars to gather data.

1st GRADE TECHNOLOGY STANDARDS

First grade students should be able to demonstrate the following computer skills:

I. Computers in the Public

- A. Be able to give uses of a computer.
- B. Name an occupation that utilizes a computer.
- C. Learn and exhibit computers ethics, morals, and standards.

II. Use of a computer

- A. Be able to identify the following terms: monitor, keyboard, mouse, printer, CD, and memory stick.
- B. Be able to locate the on/off button.
- C. Be able to handle and carry a laptop computer properly.
- D. Be able to login and access the desktop.
- E. Be able to access and use educational software.

III. Keyboard and Mouse Skills

- A. Recognize letters and numbers on the keyboard.
- B. Recognize and be able to use a mouse pad on a laptop computer.
- C. Recognize and be able to use the following function keys: RETURN, SPACE BAR, ARROWS, ESCAPE, SHIFT, CONTROL, APPLE (Macintosh).
- D. Recognize and be able to plug in headphones into the headphone jack.