

**Lake Villa Community Consolidated School
District #41
2nd Grade
Learner Objectives**

The mission of Lake Villa School District #41 is to instill in all students the knowledge and skills necessary to thrive as lifelong learners; confident, cooperative and responsible citizens; and prepared to meet the challenges of the future.

The following learner objectives are aligned with the Illinois State Learning Standards:

LANGUAGE ARTS

Read with Understanding and Fluency

- Use phonics to decode new words in age-appropriate material
- Recognize 300 high frequency sight words
- Use a variety of decoding strategies (e.g., phonics, word patterns, structural analysis, context clues) to recognize new words when reading age-appropriate material
- Self-monitor reading and use decoding strategies to self-correct miscues
- Use a variety of resources (e.g., context, previous experiences, dictionaries, glossaries, computer resources, ask others) to determine and clarify meanings of unfamiliar words
- Read fiction and non-fiction materials for specific purposes
- Identify purposes for reading before and during reading
- Recognize informational text structure (e.g., sequence, list/example) before and during reading
- Recognize when understanding requires re-reading to clarify meaning
- State facts and details of text during and after reading
- Locate answers to age-appropriate questions, before, during, and after reading to clarify understanding
- Read age-appropriate material orally with accuracy, rhythm, volume, and flow that sounds like everyday speech
- Select passages in non-fiction materials to answer specific questions

Read with Understanding and Fluency Continued:

- Discuss several works that have a common idea
- Ask questions to seek clarification of meaning
- Use self-monitoring (e.g., re-read question, confirm) to solve problems in meaning to achieve understanding of a broad range of reading materials.
- Identify the author's purpose and the main idea
- Compare a broad range of books that have the same theme and topic
- Summarize and retell text read or heard
- Recognize and discuss the structure of a story in sequential order
- Identify and begin to interpret information presented in age-appropriate maps, diagrams, and charts for both fiction and nonfiction materials
- Select books appropriate to reading levels
- Develop familiarity with available technology (e.g., computers, copiers, cameras, interactive web sites)

Read and Understand Literature Representative of Various Societies, Eras and Ideas

- Describe and compare characters, settings, and/or events in stories or pictures
- Retell stories and events using a beginning, a middle, and an end
- Identify the topic or main idea (theme)
- Identify the setting and tell how it affects the story.
- Name several characteristics that distinguish fiction from non-fiction
- Recognize both rhymed and un rhymed poetry
- Compare different versions of the same story from different cultures and eras
- Investigate self-selected/ teacher-selected literature (e.g., picture books, nursery rhymes, fairy tales, poems, legends) from a variety of cultures
- Apply text variations (e.g., change setting, alter a character, rewrite the ending)
- Make connections from text to text, text to self, text to world
- Compare two works by the same author

Listening and Speaking

- Draw comparisons between two or more concepts
- Explain and describe new concepts
- Respond orally to stories being read both independently or orally to students
- Follow oral three and four step directions
- Paraphrase information shared by others
- Demonstrate how similar themes are represented in stories
- Share written work with peers

Writing

- Use end marks appropriately (e.g., period, question mark, exclamation point)
- Spell all kindergarten through second grade high frequency sight words
- Apply sight word spelling in different writing situations
- Use phonemic clues, phonetic and/or developmental spelling to spell unfamiliar words in context
- Use appropriate capitalization (e.g., beginning capitalization, proper nouns)
- Demonstrate use of various parts of speech (nouns, verbs, adjectives)
- Extend simple sentences (e.g., subject, verb) using descriptive words and details
- Successfully complete a paragraph, including main idea, topic sentences, details, concluding sentence, with or without graphic organizers
- Use appropriate prewriting strategies (including drawing, brainstorming, idea mapping, and graphic organizers) to generate and organize ideas
- Apply basic editing skills to their own writing
- Write for a variety of purposes (letter, narrative, expository)

Researching and Presenting

- Identify questions and gather information
- Locate information using diagrams, charts, and graphs
- Select and organize information from various sources for a specific purpose
- Write letters, reports, and stories based on acquired information
- Use a variety of resources to assist in word choice and spelling

MATH

Number Sense

- Count with understanding, including skip counting by 2's, 5's, and 10's from zero
- Recognize 'how many' in sets of objects
- Demonstrate the concept of odd and even using manipulatives
- Develop initial understanding of place value and the base-ten number system using manipulatives
- Describe numeric relationships using appropriate vocabulary
- Differentiate between cardinal and ordinal numbers in quantifying and ordering numbers
- Connect number words and numerals to the quantities they represent
- Describe parts of a whole using $\frac{1}{2}$, $\frac{1}{3}$, and $\frac{1}{4}$
- Order concrete representations of unit fractions
- Count with understanding, including skip counting from any number by 2's and 10's
- Extend initial understanding of place value and the base-ten number system using multiple models
- Describe numeric relationships using comparison notation
- Use cardinal and ordinal numbers appropriately
- Recognize and explain the concept of odd and even numbers
- Describe parts of a set using $\frac{1}{2}$, $\frac{1}{3}$, and $\frac{1}{4}$
- Represent, order, label, and compare unit fractions using concrete materials
- Represent, order, and compare whole numbers to demonstrate an understanding of the base-ten number system
- Recognize equivalent representations of whole numbers and generate them by composing and decomposing numbers (e.g., $123 = 100 + 20 + 3$)
- Judge the size of fractions using models, benchmarks, and equivalent forms
- Represent, order, label, and compare familiar fractions
- Recognize and generate equivalent forms of familiar fractions
- Solve one-step addition and subtraction number sentences and word problems using concrete materials
- Construct number sentences to match word problems

Mathematics Continued:

- Demonstrate and describe the effects of adding and subtracting whole numbers using appropriate mathematical notation and vocabulary
- Explore and apply properties of addition and subtraction
- Compute using fact families
- Solve two-step addition and subtraction number sentences and word problems
- Demonstrate the relationship between addition and subtraction
- Explore multiplication and division through equal grouping and equal sharing of object
- Connect repeated addition to multiplication
- Demonstrate fluency with basic addition and subtraction facts
- Demonstrate and describe the effects of multiplying and dividing whole numbers using appropriate mathematical notation and vocabulary
- Explore, identify, and use relationships between and among properties of operations
- Solve multiplication and division number sentences and word problems
- Select and use one of various algorithms to add and subtract
- Develop and use strategies for whole number computations with a focus on addition and subtraction
- Use mental math counting strategies
- Describe reasonable and unreasonable sums and differences
- Utilize a calculator for counting patterns
- Explain and use mental math strategies to solve simple addition and subtraction problems
- Estimate sums and differences of one- or two-digit numbers
- Analyze situations to determine whether exact numbers or estimates are appropriate
- Utilize a calculator to solve addition and subtraction problems
- Develop and use strategies (i.e. rounding) to estimate the results of whole-number computations and to judge the reasonableness of such result

Mathematics Continued:

- Select appropriate methods and tools for computing with whole numbers from mental computation, estimation calculators, and paper/pencil according to the context and nature of the computation and use of the selected method or tool
- Determine whether exact answers or estimates are appropriate for solutions to problems
- Compare two or more sets, using manipulatives, to solve problems
- Compare unit fractions, using manipulatives, to solve problems
- Describe the relationship between two sets using ">", "<", and "=", " "

Measurement

- Determine the attributes of an object that are measurable
- Compare and order objects according to measurable attributes
- Measure objects using non-standard units
- Explore and describe chronological events
- Identify units of money and the value of each
- Count like sets of coins
- Identify the type of measure (e.g., weight, height, volume, temperature) for each measurable attribute)
- Measure objects using standard units
- Order events chronologically
- Tell time using an analog clock
- Describe relationships within units of time, money, and length
- Count, compare, and order sets of unlike coins
- Show equivalent amounts of money
- Explore and explain making change using manipulatives
- Explain the need for using standard units for measuring
- Measure objects using standard units in the U.S. customary and metric systems
- Perform simple unit conversions within a system of measurement (e.g., three feet is the same as a yard)
- Describe multiple measurable attributes (e.g., length, mass/weight, time, temperature, area, volume, capacity) of a single object

Mathematics Continued:

- Show and explain perimeter of an object by measuring and adding its linear units
- Show and explain the area of an object by counting square units
- Estimate nonstandard measurements of length, weight, and capacity
- Estimate elapsed time for a given task
- Estimate standard measurements of length, weight, and capacity
- Estimate the amount of money needed to make purchases
- Develop and use common referents for linear measures to make comparisons and estimates
- Select appropriate nonstandard measurement units to measure length, weight, and capacity (e.g., number of handfuls of cubes to fill a container)
- Select an appropriate unit and tool for measurement
- Explore and describe perimeter and area of real objects
- Solve problems using money and time
- Determine elapsed time between events
- Make change from a given amount using bills and coins

Algebra

- Describe common and uncommon attributes
- Recognize, describe, and extend patterns such as sequences of sounds, motions, shapes, or simple numeric patterns, and translate from one representation to another
- Describe given patterns using letters
- Analyze repeating patterns
- Sort, classify, and order objects by multiple properties
- Create rules for multiple sortings in a single set
- Recognize, describe, and extend geometric and numeric patterns
- Create patterns concretely and numerically to match a given letter description (e.g., AAB) and make predictions
- Extend numeric patterns involving addition and/or subtraction (e.g., 1, 3, 5, ... what are the next two terms?)
- Describe missing units in a pattern
- Analyze growing patterns

Mathematics Continued:

- Extend geometric and simple numeric patterns using concrete objects or paper and pencil
- Demonstrate how to create a pattern given a set of directions
- Identify errors in a given pattern
- Represent the idea of a variable as an unknown quantity using a letter or a symbol in a numerical sentence
- Express mathematical relationships using equations
- Describe and compare qualitative change
- Represent and analyze simple patterns and operations using words, tables, and graph
- Solve simple number sentences with variables (e.g., missing addend problems)
- Solve word problems involving unknown quantities
- Apply the relationship of addition and subtraction families to solve for an unknown quantity
- Solve real life word problems using patterns
- Solve problems and justify solutions using patterns
- Demonstrate how to select and use appropriate operation to solve problems involving patterns (e.g. same one penny on day 1, double that amount each day for 10 days)
- Solve one-step linear equations using concrete materials

Geometry

- Identify two- and three-dimensional shapes
- Model two-dimensional geometric shapes by drawing or building
- Describe and interpret relative positions in space and apply concepts of relative position
- Recognize and describe shapes that have line symmetry
- Identify geometric shapes and structures in the environment
- Investigate and predict the results of putting together and taking apart two- and three-dimensional shapes (e.g., put two triangles together to make a quadrilateral)
- Describe and interpret direction and distance in navigating space, and apply concepts of direction and distance (e.g., nearer/farther)
- Create and complete shapes that have line symmetry

Mathematics Continued:

- Specify locations using a coordinate system
 - Predict and describe the results of translations, rotations, and reflections of two-dimensional shapes
 - Identify, draw, and build polygons
 - Identify objects that are the same shape
 - Compare and sort two- and three-dimensional objects
 - Identify objects that are congruent
 - Compare and contrast attributes of two- and three-dimensional objects using appropriate vocabulary
 - Decompose a three-dimensional object into two-dimensional components
 - Describe the difference between congruence and similarity
 - Describe a motion or a series of motions that will show that two shapes are congruent
 - Identify and build a three-dimensional object from two-dimensional representations of that object
 - Apply geometric ideas and relationships to problems that arise in the classroom or in everyday life
 - Apply geometric ideas and relationships to other disciplines
 - Recognize and explain a geometric pattern
- Data Analysis**
- Justify an extension of a pattern
 - Organize, describe, and label simple data displays such as pictographs, tallies, tables, and bar graphs
 - Compare numerical information derived from tables and graphs
 - Organize and interpret simple data displays such as pictographs, tallies, tables, and bar graphs
 - Make predictions from simple data
 - Organize, describe, and make predictions from existing data
 - Represent data using tables and graphs such as tallies and bar graphs
 - Determine the median of data on a graph
 - Gather data to answer a simple question
 - Gather data by creating and using interview questions

Mathematics Continued:

- Create and administer a survey considering which questions will be asked and how the answers will be recorded
- Identify possible and impossible results of probability events using concrete materials
- Determine all possible outcomes of a given situation

SCIENCE**Inquiry**

- Ask questions
- Plan to answer questions
- Make observations
- Conduct investigations
- Arrange data
- Describe patterns
- Design fair tests

Design Technology

- Use the design process to solve problems

Life/Health: Investigating the Plant Life Cycle and Health

- Students observe and measure the growth and development of a plant from seed to seed
- Students investigate the interaction between flowering plant and pollinator
- Students observe and identify plant and pollinator structures and explain how they function

Habitats

- Students investigate where plants and animals live
- Students identify various land and water habitats
- Students identify plants and animals from land and water habitats

Physical: Investigating Changes

- Students observe and compare a series of changes
Changes include phase change of a single substance from solid to liquid gas and changes involving dissolving and mixtures
- Students investigate properties of air and how changing air catching devices changes the movement of the device

Earth: Investigating Properties of Soil

- Students observe and compare soil samples
- Students conduct tests to identify properties of soil components
- Students identify living, nonliving and once living components in soil

SOCIAL SCIENCE

- Community Helpers
- Feelings/Friendship
- Christopher Columbus /Introduction to skills
- Pioneers
- Thanksgiving/Patriotism/Inventions
- Lifestyles/Map Skills (City, State, Country)
- Martin Luther King, Jr./Map Skills (relation to self)
- Abraham Lincoln, George Washington
- Continents/World
- Animal habitats
- Technology/Machines

ART

- Identify a variety of sensory elements and their similarities. These include line, color, texture, shape, and space
- Identify the main ideas expressed in works of art
- Identify similarities and differences among organizational principles that include balance, unity and variety, contrast, pattern, rhythm/emphasis, value, scale/size
- Describe the ways the arts contribute to societies and everyday life in capturing situations in pictures and making items for use
- Identify how art reflects different times and countries
- Identify the media and tools used to produce works of art such as crayons, markers, brushes, clay, and fiber
- Create visual works of art casual and formal situation

MUSIC

- Melody: high/low sounds; up/down movement; relatively matched pitch
- Harmony: with and without accompaniment
- Rhythm: meter signatures; notation
- Form: verse, refrain
- Tone Color: instrument families: Identify by sight and sound three instruments per family; rhythm instruments; Orff instruments; piano; environment sounds
- Dynamics: crescendo, diminuendo; accent
Create/Direct: Conducting in 2,3,4,6; compose as song using notation and staff letters; know the difference between composer/conductor/ensemble
- Composers: students will listen to their different music and know general information about different composers
- Songs: different songs will be selected from the categories of patriotic, folk, multi-cultural, spirituals, and popular
- Performance: know terms and stage presence; perform in casual and formal situation

PHYSICAL EDUCATION

- Demonstrate safe movement in physical activities
- Demonstrate control when performing fundamental locomotor and manipulative skills
- Identify characteristics of health-related fitness; engage in physical activity that causes increased heart rate, muscle strength, and range of movement
- Understand spatial awareness and relationships to objects and people
- Describe immediate effects of physical activity on the body
- Identify realistic health-related goal
- Follows directions and safe procedures during group activities
- Works independently and cooperatively with others on tasks

TECHNOLOGY

- Use and understand terms; login, cursor, edit, hardware, software, network, directory, multimedia
- Identify basic hardware components; keyboard and mouse, monitor, printer, CD-Rom
- Demonstrate appropriate care and use of hardware
- Identify the advantages and use of word processing
- Demonstrate ability to access and exit software
- Demonstrate appropriate use, respecting privacy, and follow security rules of District 41
- Demonstrate basic touch typing skills, which include use of keyboard, proper hand placement, fingers on home row, identify beginning key reaches, use proper body position, and use short/quick strokes
- Demonstrate appropriate use of login name and network printing
- Access and retrieve information