

HILLTOP PRIMARY SCHOOL CURRICULUM GUIDE



The Westonka Edge

*Small School Advantages,
Big School Opportunities,
Real-life Success Stories*

Hilltop Primary School follows the Minnesota Academic Standards, required by all public school systems. This brochure provides the academic benchmarks required for all First Grade students. These standards provide a common understanding of the foundational skills and knowledge needed for all students to be prepared to move forward to the next grade level.

Positive teacher-to-student and student-to-student relationships support emotional and social development and are essential to successful learning. As a partnership with families, children will succeed in school and into the future with the skills needed to be college-ready.

Important Dates

Northwest Evaluation Assessment (NWEA)
September 24 - 28 – Reading and Mathematics

Field Trips

Lowry Nature Center – September 26

The Works – April 12

Grimm Farm/Minnetonka Regional Park Picnic –
May 14

Music Program

November 5th at 6:30 pm

READING SKILLS

Fluency

Students reading at Grade Level:

Winter – 47 words per minute

Spring - 75 words per minute

Word Recognition

- Identify letters, words and sentences.
- Match spoken words with print.
- See, hear, say and write the letters, blends and digraphs that correspond with the common sounds of the English Language.
- Segment and blend beginning, middle and ending sounds (phonemes) to read unfamiliar words.
- Divide spoken and written words into syllables and identify phonemes and phonograms within words.
- Use letter sounds, word patterns and parts of simple compound words to decode unfamiliar words when reading.
- Generate rhyming words in a rhyming pattern.
- Read 100 high-frequency words.
- Notice when reading breaks down, reread and use phonetic and other strategies to self-correct.
- Read aloud grade-appropriate text with accuracy and emerging fluency.

Vocabulary Expansion

- Learn new words through explicit instruction and independent reading.
- Use descriptive words when speaking of people, places, things, actions and events.
- Identify and generate antonyms and synonyms, and use them to understand and express word meaning.
- Use context to predict and infer word meanings.

Comprehension

- Demonstrate literal and inferential comprehension by asking and answering questions about narrative and informational text.
- Recall and use prior learning and preview text to prepare for reading.
- Monitor comprehension and reread as needed at points of difficulty, using strategies to self-correct when needed.
- Make predictions of outcomes and verify from texts.
- Identify or infer topic.
- Make simple inferences and draw and support conclusions.
- Use story illustrations to enhance comprehension.
- Write or draw a response that shows comprehension of a story that has been read.
- Relate texts to prior knowledge and experiences.

Literature

- Read from and listen to texts representing a variety of genres (such as poetry, folk tales, drama, fantasy, realistic fiction, informational and biographical texts) from America, as well as from other countries.
- Identify and describe main characters setting and sequences of story events.
- Respond to text and use details from stories to support interpretation and make personal connections.

- Retell familiar stories using a beginning, middle and end.
- Read and listen to selections for personal enjoyment.
- Understand the role of illustrations in conveying meaning in picture books.

Types of Writing

- Write in a variety of modes to express meaning, including:
 - narrative
 - informative
 - poetic
- Use informal writing to record information or observations.

Elements of Composition

- Write simple sentences using a process and strategies to plan, compose, revise and edit.

Spelling, Grammar, & Usage

- Use a period after sentences, numerals and initials.
- Capitalize the first letter of proper names, the pronoun *I*, and the first words of sentences.
- Use question marks and exclamation marks.
- Compose simple sentences.
- Use correct spelling for grade-appropriate high-frequency sight words.
- Spell 3-4 letter words correctly.
- Spell grade-appropriate words correctly in final draft.

Research

- Use grade level appropriate reference material to obtain information.
- Alphabetize by first letter.

Handwriting

- Improve the formation of uppercase and lowercase letters of the alphabet and numbers.
- Space words and sentences appropriately.

Speaking and Listening

- Participate in and follow agreed-upon rules for conversation and formal discussions.
- Follow two- or three-step oral directions.
- Attend to and understand the meaning of messages.
- Communicate needs, feelings and ideas to peers and adults in complete sentences.
- Recite and respond to stories, poems, rhymes and songs with expression.
- Use voice level appropriate for language situation.
- Ask and respond to questions.

Viewing

- Follow print from left to right and top to bottom.
- Turn pages sequentially from front to back.
- Identify the cover and title page of a book.
- Recognize common signs and logos.

MATHEMATICS

Students Computation at Grade Level:

Fall – Addition and Subtraction facts using strategies

Winter – Mastered at 95% or above: Addition

Spring – Mastered at 75% or above: Subtraction

Number and Operations

- Use place value to describe whole numbers between 10 and 100 in terms of tens and ones.
- Read, write and represent whole numbers up to 120. Representations may include numerals, addition and subtraction, pictures, tally marks, number lines and manipulatives, such as bundles of sticks and base 10 blocks.
- Count, with and without objects, forward and backward from any given number up to 120.
- Find a number that is 10 more or 10 less than a given number.
- Compare and order whole numbers up to 120.
- Use words to describe the relative size of numbers.
- Use counting and comparison skills to create and analyze bar graphs and tally charts.
- Use words, pictures, objects, length-based models (connecting cubes), numerals and number lines to model and solve addition and subtraction problems in part-part-total, adding to, taking away from and comparing situations.
- Compose and decompose numbers up to 12 with an emphasis on making ten.
- Recognize the relationship between counting and addition and subtraction. Skip count by 2s, 5s, and 10s.

Algebra

- Create simple patterns using objects, pictures, numbers and rules. Identify possible rules to complete or extend patterns. Patterns may be repeating, growing or shrinking. Calculators can be used to create and explore patterns.
- Represent real-world situations involving addition and subtraction basic facts, using objects and number sentences.
- Determine if equations involving addition and subtraction are true.
- Use number sense and models of addition and subtraction, such as objects and number lines, to identify the missing number in an equation such as:

$$2 + 4 = \square$$

$$3 + \square = 7$$

$$5 = \square - 3.$$

- Use addition or subtraction basic facts to represent a given problem situation using a number sentence.

Geometry and Measurement

- Describe characteristics of two- and three-dimensional objects, such as triangles, squares, rectangles, circles, rectangular prisms, cylinders, cones and spheres.
- Compose (combine) and decompose (take apart) two- and three-dimensional figures such as triangles, squares, rectangles, circles, rectangular prisms and cylinders.
- Measure the length of an object in terms of multiple copies of another object.
- Tell time to the hour and half-hour.
- Identify pennies, nickels and dimes; find the value of a group of these coins, up to one dollar.

SCIENCE

FOSS: Air and Weather

- Develop an interest in air and weather.
- Experience air as a material that takes up space and can be compressed into a smaller space.
- Observe the force of air pressure pushing on objects and materials.
- Observe and compare how moving air interacts with objects.
- Observe and describe changes that occur in weather over time.
- Become familiar with instruments used by meteorologists to monitor air and weather conditions.
- Compare monthly and seasonal weather conditions using bar graphs.
- Observe the location of the Sun and the Moon in the sky over a day and the change in the appearance of the Moon over a month.
- Organize and communicate observations through drawing and writing.
- Acquire vocabulary associated with properties of air and weather conditions.

FOSS: Insects

- Develop a curiosity and interest in insects and a respect for them as living things.
- Experience some of the great diversity of forms in the animal kingdom.
- Become familiar with some of the life sequences that different types of insects exhibit (simple and complete metamorphosis).
- Observe the similarities and differences in the larvae, pupae, and adults of insects that go through complete metamorphosis.
- Observe the behaviors of insects at different stages of their life cycle.
- Provide for the needs of insects (air, water, food, and space).
- Acquire the vocabulary associated with insect life

FOSS: Pebbles, Sand, and Silt

- Develop a curiosity and interest in the physical world around them.
- Observe, describe, and sort earth materials based on properties.
- Separate earth materials by size, using different techniques.
- Observe the similarities and differences in the materials in a river rock mixture: silt, sand, gravel, and small and large pebbles.
- Explore places where earth materials are found and ways that earth materials are used.
- Compare the ingredients in different soils.
- Organize and communicate observations through drawing and writing.
- Acquire the vocabulary associated with earth materials.

SOCIAL STUDIES

U.S. HISTORY

- Compare family life in his or her community from earlier times and today.

HISTORICAL SKILLS

- Define and use terms for concepts of historical time.

GEOGRAPHY

- Use maps and globes to locate places referenced in stories and real life situations.
- Explain that an address locates a specific place.
- Name and use directional words to describe locations of places in the school and community. Students will locate places by using simple maps, and understand that maps are drawings of locations and places as viewed from above.
- Compare distances between two or more places shown on a map with simple terms, such as farther and closer.
- Use cardinal and intermediate directions to locate places.
- Locate places by using simple maps, and understand that maps are drawings of locations and places as viewed from above.
- Recognize and locate the outline shape of the state of Minnesota on a map/globe.
- Create and interpret simple maps using the map elements of title, direction, symbols, and a map key or legend.
- Recognize the outline shape of the contiguous United States.

ECONOMICS

- Identify the difference between basic needs (food, clothing, and shelter) and wants (things people would like to have).

GOVERNMENT AND CITIZENSHIP

- Give examples of rules in the classroom/school and community, provide reasons for the specific rules, and know the characteristics of good rules.
- Explain that rules and laws apply to everyone and describe consequences for breaking the rules or laws.
- Describe key national holidays and explain why people celebrate them.

ART

Elements of Art

- Understand Families of Lines (long-short, thick-thin, directional)
- Name, identify shapes in objects, cut shapes from objects
- Mix secondary colors from primary colors
- Create rubbings, real and visual
- Recognize differences between shapes and forms
- Recognize differences between light and dark

Principles of Design

- Understand balance through symmetry and introduce asymmetry
- Produce and describe a pattern in art work
- Repeat a motif
- Recognize differences in art works

Create and Make

- Use paper for cutting, folding, gluing, fringing and tearing
- Use a variety of tools and techniques, trace templates or stencils
- Mix paint and proper care and use of brushes
- Conduct forms of Printmaking– finger, stamping, gadget, sandpaper, mono-print
- Create 3 – D projects: Paper and a clay pinch pot
- Understand paper weaving in a form of Fiber Art

Respond and Critique

- Show art works and discuss differences and similarities

- Understand Realism

PHYSICAL EDUCATION

PERSONAL FITNESS

- Practice all fitness skills and techniques

LIFETIME SKILLS

- Develop basic locomotor and non-locomotor skills at a grade 1 proficiency level.
- (Ex. – run, hop, skip, bend, sway)

PARTICIPATION/EFFORT

- Participate in an activity

ISOCIAL INTERACTION/SPORTSMANSHIP

- Follow established rules.

MUSIC

Music Foundations

- Identify and/or demonstrate knowledge of the elements of music; including *rhythm, pitch, form, tone color and expressive qualities.*

Technical Skills

- Demonstrate the ability to read and notate music.
- Demonstrate proper tone production and articulation while singing and/or playing a classroom instruments.

Create and Make

- Express musical ideas using *voice* and classroom instruments.

Perform and Present

- Sing and play a varied repertoire that includes simple rhythms and melodies.
- Revise performance based on the feedback of others.

Respond and Critique

- Respond to and critique a variety of musical creations or performances.
- Describe the characteristics of a variety of musical works and performances

MEDIA

Basic Computer Use

- Open and close applications (using the dock, pull down menus)
- Identify parts of a computer (mouse, monitor, keyboard, CD-ROM)
- Manipulate mouse (click and drag)
- Insert, remove and care for CDs
- Learn to use a user name to log-on various software programs
- Understand function of scroll bars, tool bars, and arrows for navigating
- Log on and log off procedures
- Save documents to a student folder with assistance
- Print documents

Keyboarding

- Use correct posture
- Recognize left and right hand placement

- Use space bar
- Locate letters and numbers on the keyboard
- Use return key, scroll bar, shift key, backspace keys

Word Processing and Desktop Publishing

- Format text (size, font, capitalization, punctuation)
- Create a word processed document using specific keys – 3 sentences
- Create a picture with text (name and one sentence)

Presentation

- Create at least one slide for a class slide show with text, picture, bold print (PowerPoint)

Ethical and Safe Use of Technology

- Demonstrate proper care of equipment and software, leave equipment ready for the next user
- Navigate bookmarked web sites guided by the teacher
- Respect the work of others