

HILLTOP PRIMARY SCHOOL CURRICULUM GUIDE

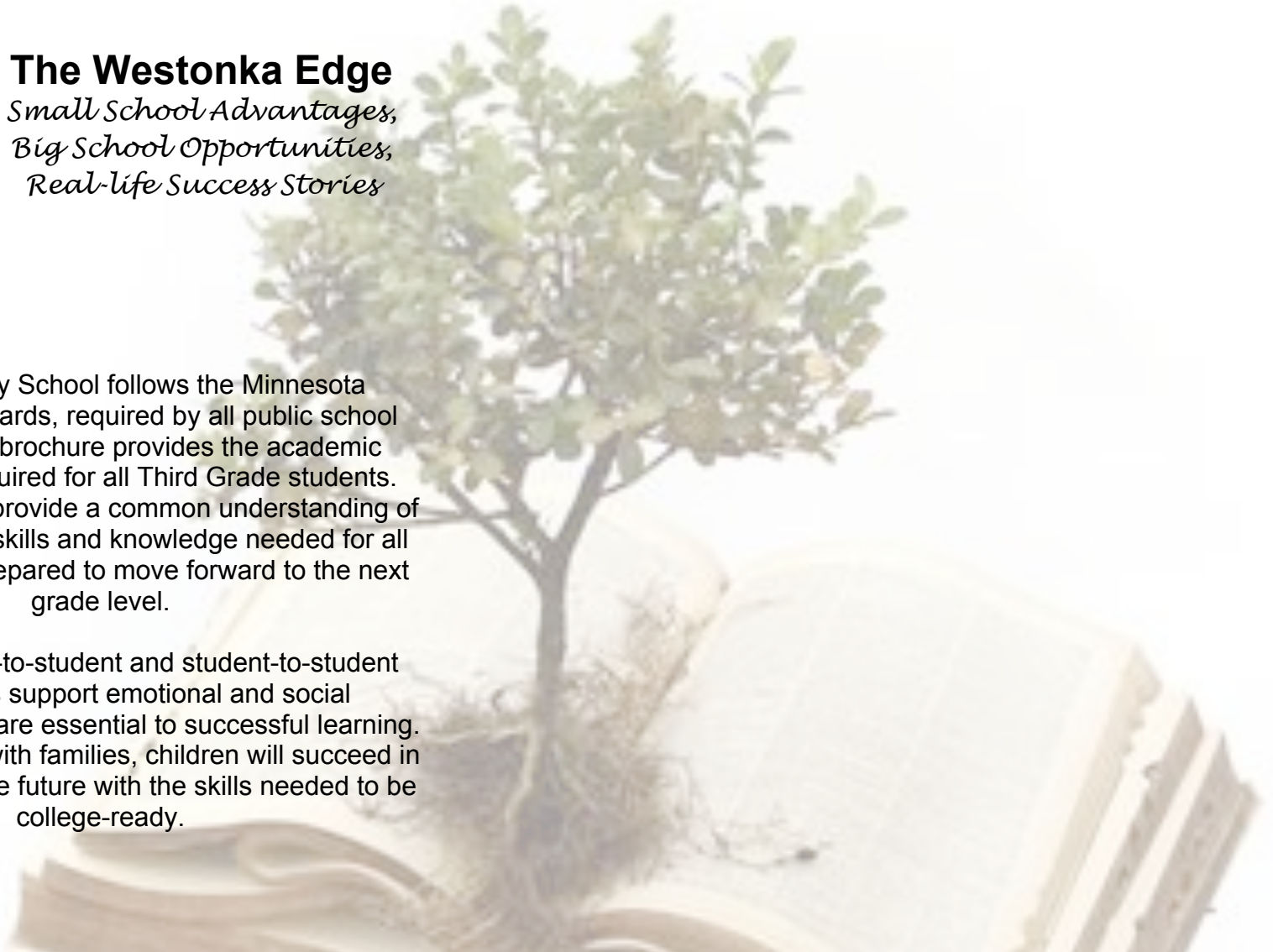
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The Westonka Edge

*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 Third 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.



READING SKILLS

Word Recognition

- Read unfamiliar complex and multi-syllabic words using advanced phonetic and structural analysis.
- Read aloud narrative and expository text with fluency, accuracy, and appropriate pacing, intonation and expression
- Notice when reading breaks down, reread and use phonetic and other strategies to self-correct.

Vocabulary Expansion

- Acquire, understand and use new vocabulary through explicit instruction and independent reading.
- Identify and correctly use antonyms, synonyms, homonyms and multiple-meaning words.
- Use context and word structure to determine the meaning of unfamiliar words.
- Use knowledge of prefixes and suffixes to determine the meaning of unknown words.
- Use dictionaries and glossaries to understand the meaning of new words.

Comprehension

- Read aloud grade-appropriate text (that has not been previewed) with accuracy and comprehension.
- Recall and use prior learning and preview text, using title, headings and illustrations, to prepare for reading.
- Generate and answer literal, inferential, interpretive and evaluative questions to demonstrate understanding about what is read.
- Retell, restate or summarize information orally, in writing, and through graphic organizers.
- Infer and identify main idea and determine relevant details in non-fiction text.
- Monitor comprehension and use strategies to self-correct when needed.
- Follow three-step written directions.

Literature

- Read from and listen to American literature, as well as literature from other countries.
- Identify, describe and respond to literary elements of characterization, plot, setting and theme.
- Identify and describe patterns of sounds such as rhyme and rhythm in poetry.
- Compare and contrast similar works by different authors in the same genre or the same theme.
- Compare and contrast two works by the same author.
- Identify and determine the meanings of similes and metaphors.
- Critically read, and examine text to determine author's purpose.
- Respond to literature using ideas and details from the text to support reactions and make literary connections.
- Read from and respond to a variety of fiction, poetic and nonfiction texts of increasing complexity for personal enjoyment.

Types of Writing

- Write in a variety of modes to express meaning, including:
 - Descriptive
 - Narrative
 - Informative
 - Friendly letter
 - Poetic

Elements of Composition

- Write a paragraph that includes:
 - An indented or block style of paragraph
 - A topic sentence
 - 3-5 supporting sentences
 - A concluding sentence.
- Use composing processes, including:
 - Prewriting - planning strategies such as brainstorming, journaling, sketching, listing, outlining and determining audience, purpose and focus
 - Drafting – organizing, supporting and putting ideas into sentences and paragraphs
 - Revising – improving the quality of content, organization, sentence structure and word choice
 - Editing – correcting errors in spelling and grammar
 - Publishing – producing a document and sharing the writing with the audience.
- Use verbalization (discussions, interviews, brainstorming) to prepare for writing.

Spelling, Grammar, & Usage

- Compose complete sentences when writing.
- Recognize and correct spelling errors when writing.
- Spell correctly one-syllable and two-syllable words that have blends, contractions and compounds.
- Spell common homophones correctly.
- Apply grammar conventions correctly in writing, including:
 - Nouns
 - Verbs
 - Adjectives
 - Pronouns.
- Apply punctuation conventions correctly in writing, including:
 - Periods, question marks, exclamation points
 - Capitalization of proper nouns
 - Abbreviations
 - Sentence beginnings
 - Commas in a series.

Research

- Use grade-level appropriate reference materials to obtain information from dictionaries, glossaries, encyclopedias, and the Internet.
- Arrange words in alphabetical order.

READING SKILLS (cont.)

Handwriting & Word Processing

- Write legibly, allowing margins and correct spacing between letters in a word and words in a sentence.
- Begin to make the transition to cursive.
- Begin acquiring keyboarding skills.

Speaking and Listening

- Participate in and follow agreed-upon rules for conversation and formal discussions in large and small groups.
- Demonstrate active listening and comprehension.
- Follow multi-step oral directions.
- Give oral presentations to different audiences for different purposes.
- Organize and express ideas sequentially or according to major points.
- Perform expressive oral readings of prose, poetry or drama.

Media Literacy

- Read print and view pictures and video images and identify differences in how information is presented in print and non-print materials.
- Use, print, pictures, audio and video to express ideas and knowledge gleaned from the sources.

MATHEMATICS

Number and Operations

- Read, write and represent whole numbers up to 100,000. Representations may include numerals, expressions with operations, words, pictures, number lines, and manipulatives such as bundles of sticks and base 10 blocks.
- Use place value to describe whole numbers between 1000 and 100,000 in terms of ten thousands, thousands, hundreds, tens and ones.
- Find 10,000 more or 10,000 less than a given five-digit number. Find 1000 more or 1000 less than a given four- or five-digit. Find 100 more or 100 less than a given four- or five-digit number.
- Round numbers to the nearest 10,000, 1000, 100 and 10. Round up and round down to estimate sums and differences.
- Compare and order whole numbers up to 100,000.
- Add and subtract multi-digit numbers, using efficient and generalizable procedures based on knowledge of place value, including standard algorithms.
- Use addition and subtraction to solve real-world and mathematical problems involving whole numbers. Use various strategies, including the relationship between addition and subtraction, the use of technology, and the context of the problem to assess the reasonableness of results.

- Represent multiplication facts by using a variety of approaches, such as repeated addition, equal-sized groups, arrays, area models, equal jumps on a number line and skip counting. Represent division facts by using a variety of approaches, such as repeated subtraction, equal sharing and forming equal groups. Recognize the relationship between multiplication and division.
- Solve real-world and mathematical problems involving multiplication and division, including both "how many in each group" and "how many groups" division problems.
- Use strategies and algorithms based on knowledge of place value, equality and properties of addition and multiplication to multiply a two- or three-digit number by a one-digit number. Strategies may include mental strategies, partial products, the standard algorithm, and the commutative, associative, and distributive properties.
- Read and write fractions with words and symbols. Recognize that fractions can be used to represent parts of a whole, parts of a set, points on a number line, or distances on a number line.
- Understand that the size of a fractional part is relative to the size of the whole.
- Order and compare unit fractions and fractions with like denominators by using models and an understanding of the concept of numerator and denominator.

Algebra

- Create, describe, and apply single-operation input-output rules involving addition, subtraction and multiplication to solve problems in various contexts.
- Understand how to interpret number sentences involving multiplication and division basic facts and unknowns. Create real-world situations to represent number sentences.
- Use multiplication and division basic facts to represent a given problem situation using a number sentence. Use number sense and multiplication and division basic facts to find values for the unknowns that make the number sentences true.

Geometry and Measurement

- Identify parallel and perpendicular lines in various contexts, and use them to describe and create geometric shapes, such as right triangles, rectangles, parallelograms and trapezoids.
- Sketch polygons with a given number of sides or vertices (corners), such as pentagons, hexagons and octagons.
- Use half units when measuring distances.
- Find the perimeter of a polygon by adding the lengths of the sides.
- Measure distances around objects.
- Tell time to the minute, using digital and analog clocks. Determine elapsed time to the minute.
- Know relationships among units of time.
- Make change up to one dollar in several different ways, including with as few coins as possible.
- Use an analog thermometer to determine temperature to the nearest degree in Fahrenheit and Celsius.

Data Analysis

- Collect, display and interpret data using frequency tables, bar graphs, picture graphs and number line plots having a variety of scales. Use appropriate titles, labels and units.

SOCIAL STUDIES

Concepts of Location

- Use the equator and poles as reference points to describe locations.
- Students will compare distances between two or more places shown on a map with simple terms, such as farther and closer.

Concepts of Location

- Students will use cardinal and intermediate directions to locate places.

Maps and Globes

- Students will create and interpret simple maps using the map elements of title, direction, symbols, and a map key or legend.
- Students will locate on a map continents and states and major cities of the United States. *Students' address (city, state, country, continents).*
- Students will use an atlas to locate geographic information.

Physical Features and Processes

- Students will name and locate physical features of the United States, including places about which they have read.

SCIENCE

FOSS KIT: Sound

- Ask questions about the natural world that can be investigated scientifically
- Investigate how sounds are made when object vibrate – vibration, pitch and tone
- Explore the use of science as a tool that can help investigate and answer questions about the environment
- Know that scientists use different kinds of investigations depending on the questions they are trying to answer.
- Understand: Sounds and Vibrations; Vibrations and Pitch; Length and Pitch; Tension and Pitch; Sound Through Air and Water; and Sounds through Solids

FOSS KIT: Structures of Life

- Describe the structures that serve different functions in growth, survival and reproduction for plants and animals
- Know that plants have different structures from animals that serve the same necessary functions in growth, survival and reproduction
- Know that plants have different structures from animals that serve the same necessary functions in growth, survival and reproduction
- Know that organisms interact with one another in various ways besides providing food
- Know that changes in a habitat can be beneficial or harmful to an organism
- Observe and differentiate between characteristics of organisms that are inherited and characteristics that are acquired
- Identify similarities and differences between parent and offspring
- Know that changes in a habitat can be beneficial or harmful to an organism
- Explore the uses and effects of science in our interaction with the natural world
- Classify plants and animals according to their physical characteristics
- Learn that the characteristics used for grouping depend on the purpose of the

- grouping
- Recognize when comparisons might not be fair because some conditions are not kept the same
- Collect, organize, analyze and present data from a controlled experiment
- Recognize that evidence and logic are necessary to support scientific understandings

FOSS KIT: Sun, Moon, and Stars

- Observe and record how the Sun, Earth's star, rises in the east and sets in the west in a predictable pattern.
- Learn that Earth rotates on its axis, causing day and night. Day happens when a location on Earth is facing toward the Sun, and night happens when a location is facing away from the Sun.
- Understand that the exact path the Sun takes in the sky varies by season.
- Understand that shadows are the areas of darkness created when an opaque object blocks light and that shadows on Earth depend on the position of the Sun in the sky.
- Learn that Earth is one of several planets that orbit the Sun in the solar system.
- Learn that the Moon orbits Earth and can appear in the sky during both day and night; observe and record how the Moon changes its appearance or phase in a regular pattern over 4 weeks.
- Learn how useful telescopes are in studying the solar system, as they make distant objects look closer and larger.
- Learn that stars are suns positioned at great distances from Earth and form groups called constellations that appear to move together across the sky at night.
- Use tools to collect and analyze data to develop logical conclusions about the movements of objects in the sky.
- Predict the outcome of an event and compare the results with the prediction.

MUSIC

Music Foundations

- Demonstrate knowledge of the elements of music; including *rhythm, pitch, form, tone color and expressive qualities.*
- Identify and demonstrate the use of the vocabulary used in the description and understanding of music.

Technological Foundations

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

Create Music

- Improvise, compose or arrange rhythms *and* melodies using classroom instruments.

Performance and Presentation

- Sing and play a varied repertoire that includes expanded melodies.
- Revise performance based on the feedback of others and self-reflection.

Respond and Critique

- Compare and contrast the characteristics of a variety of musical works and performances.

ART

Elements of Art

- Name and produce variety of lines and demonstrate the ability to cut various lines out of paper
- Understand the difference between geometric and free form shapes
- Mix secondary colors and distinguish between warm and cool colors
- Create a piece of art work using various textures
- Use a horizon line accurately, recognize foreground, middle ground and background, and begin to use size, color, and detail to indicated stance in a work of art
- Recognize form on a flat surface and produce a shaded geometric form
- Recognize difference between light and dark and use it in a piece of artwork

Principles of Design

- Produce symmetrical and asymmetrical designs
- Produce an art work including two or more different patterns
- Repeat a motif
- Recognize differences in art works

Create and Make

- Continues use of scissor skills and introduces use of tabs in 3-D construction
- Uses a variety of tools and techniques, use of overlapping in art works
- Mixes paint including secondary colors and produce a painting using warm and/or cool colors and introduce intermediate colors
- Use Styrofoam for multiple prints in a piece of art work
- Use clay to for plaque construction (score, blend, additive and subtractive methods)
- Design and create a fabric work of art

Respond/Critique

- Discuss differences and similarities in various art forms
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PHYSICAL EDUCATION

Personal Fitness

The student will be assessed in the specified fitness areas and tested and reported in six fitness areas at school:

- Mid-year formative assessment
 - Cardiovascular
 - Strength
 - Core
 - Flexibility
- Fall and spring fitness assessment
 - Mile
 - Push Ups
 - Sit Ups
 - Sit & Reach
 - 50 yd. Dash
 - Shuttle Run

Lifetime Skills

- Develop rhythms, manipulative skills, and activity rules & skills at a grade 3 proficiency level.

Participation and Effort

- Participate in various forms of physical education activities

Social Interaction and Sportsmanship

- Follow established rules and norms for a variety of physical education activities

MEDIA TECHNOLOGY

Basic Computation

- Open and close applications (using the dock, using pull down menus)
- Manipulate mouse (click, hold and drag, delete, arrows)
- Use the mouse to navigate within a program and in general computer use (manipulate a text box)
- Log-on and log-off procedures
- Name and save documents to a student folder
- Print documents

Keyboarding

- Use correct posture
- Show consistent use of home row hand positions
- Create an awareness of all the keys on the keyboard and their functions
- Use quick key shortcuts
- Keyboard from a prepared document (create the same document)
- Type 10 words per minute

Word Processing and Desktop Publishing

- Format a variety of text (size, font, capitalization, punctuate, and style)
- Use correct line spacing
- Spell check article and activity
- Select and import graphics into a document
- Align text (right, left, center)
- Set margins for a document
- Create a text document – a friendly letter with correct format
- Create a text document – 3 paragraphs (edit and revise)
- Retrieve and edit a word processed document

Spreadsheet

- Create a graph within a spreadsheet

Presentation

- Use a storyboard to plan a presentation
- Use a template to present information (PowerPoint)
- Create a 5-6 slide presentation with text, graphics and bibliography

Ethical and Safe Use of Technology

- Use proper care and leave equipment ready for next user
- Respect the work and file folders of others
- Use guided internet search tools (Google, Kids Click, Yahoo!igans)
- Abide by copyright and plagiarism guidelines
- Abide by internet and safety guidelines
- Evaluate information gathered from the internet for accuracy, relevance, appropriateness with teacher direction
- Navigate bookmarked web sites
- Use appropriate style for crediting sources