Fowlerville Community Schools
Curriculum Standards ~ Grade: 4th Grade

LANGUAGE ARTS

Reading	1. TLW read a variety of classic and contemporary literature, including myths/legends, fantasy, and adventure, to analyze, verify, and justify story elements. 2. TLW analyze various selections by reading, viewing, and listening to determine author's, illustrator's, or speaker's purpose, craft, and voice. 3. TLW read to analyze the characteristics, sequence of events, and cause and effect relationships of biographical and autobiographical selections. 4. TLW read and analyze narrative and informational texts, using reading strategies to identify theme or main idea. 5. TLW develop research skills using a world almanac to determine important information.
Writing	6. TLW compose business letters, using legible cursive writing or word processing and correct format. 7. TLW process write an informational report by analyzing and applying the structure and technique of exemplary writing. 8. TLW process write an extended response to a prompt, making connections to his/her own experiences. 9. TLW analyze and process write original poetry, focusing on ideas, vivid and varied language, form, and style. 10. TLW process write narratives, including myth/legend, fantasy, and adventure. 11. TLW correctly spell words independently in written work and correctly use content-related vocabulary words.
Listening	12. TLW listen to auditory text and construct meaning by predicting, generating questions, and summarizing. 13. TLW research issues using multiple and varied resources to discriminate importance and synthesize key ideas.
Speaking	14. TLW deliver a presentation on an informational topic, focusing on effective delivery techniques and using a visual aid.

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MATHEMATICS

Number and Operations	1. TLW read, write, order, and compare numbers through 999,999,999; relate numbers to the quantities they represent; and compose and decompose numbers using place value through millions.
	2. TLW find all factors of a whole number through 50, list the first ten multiples of a given one-digit whole number, identify prime and composite numbers, and solve problems.
	3. TLW demonstrate the use of the distributive property, multiply fluently any whole number by a one-digit number and a three-digit number by a two-digit number, and solve applied problems.
	4. TLW divide numbers up to four digits by one-digit numbers and by ten, use the inverse operation (multiplication) to check solutions, find unknowns in division equations, and solve applied division problems.
	5. TLW read, write, interpret and compare decimals through hundredths, relate decimals to money and place value decomposition, identify decimal equivalents for halves and fourths, and solve problems.
	6. TLW understand fractions as parts of a set of objects, explain why equivalent fractions are equal, locate, compare, and order fractions on a number line, understand relationships among fractions, and write improper fractions as mixed numbers.
	7. TLW solve problems involving the addition and subtraction of fractions with like denominators or where one denominator is a multiple of the other and solve for the unknown (variable) in addition and subtraction of fractions less than 1 with like denominators.
	8. Using repeated addition and area or array models, TLW multiply fractions by whole numbers and solve applied problems.
	9. TLW add and subtract decimals, multiply and divide decimals by a one digit whole number where the result is a terminating decimal, and solve applied problems.
	10. TLW solve applied problems using the four basic arithmetic operations fluently; estimate sums, differences, products, and quotients; know when an estimation or approximation is appropriate and reasonable; and make estimations and calculations fluently using mental math strategies.

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Measurement	11. TLW measure to a reasonable degree of precision using common tools, select appropriate units of measure, and convert one unit of measure to a larger or smaller unit of measure using simple calculations. 12. TLW use formulas to calculate perimeter and area of rectangles and combinations of rectangular shapes, measure surface area of cubes and rectangular prisms, and solve contextual problems.
Geometry	13. TLW identify right angles and compare angles to right angles, identify and draw perpendicular, parallel, and intersecting lines, identify basic geometric shapes, and identify and count the faces, edges, and vertices of basic three-dimensional geometric solids and describe their faces. 14. TLW recognize symmetry and transformations of two dimensional shapes and objects.
Data and Probability	15. TLW order a given set of data, find the median and specify the range of values, construct tables and bar graphs from given data, and solve problems using data represented in tables and bar graphs.

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SCIENCE

Science Processes	1. TLW demonstrate an understanding that scientific inquiry and reasoning involves observing, questioning, investigating, recording, and developing solutions to problems by estimating and measuring weight, mass and volume.
Physical Science	2. TLW compare different forms of energy and describe how temperature relates to energy. 3. TLW demonstrate a magnetic field and explain how objects are affected by the strength of the magnet and the distance from the magnet. 4. TLW design and create simple circuits and an electromagnet, and classify objects as good or poor conductors of heat and electricity. 5. TLW compare and contrast states of matter and explain how matter can change from one state to another.
Life Science	6. TLW explain how variations in physical characteristics can give organisms an advantage and how environmental changes can produce changes in food webs.
Earth Science	7. TLW explain how fossils provide evidence of the history of the Earth. 8. TLW compare and contrast characteristics and predictable patterns of movement of the Sun, Moon, and Earth.

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SOCIAL STUDIES

History	1. TLW use historical thinking and primary and secondary sources to construct a narrative and create a timeline of Michigan's history from statehood to present day.
Geography	2. TLW use geographic tools to identify, describe, and compare the physical and human characteristics of regions in the United States. 3. TLW investigate the stories of immigrants to the United States to describe the impact on culture and the physical environment.
Civics and Government	4. TLW identify and explain the purposes, values, and principles of American Constitutional Democracy. 5. TLW describe and explain the structure and function of the United States government.
Economics	6. TLW describe characteristics of a market economy, including relationships between incentives, prices, and competition. 7. TLW use the circular flow model to explain economic activity in the United States and the global economy.
Public Discourse, Decision Making, and Citizen Involvement	8. TLW identify a public policy issue in the U.S., analyze information to solve it, and present the solution to inform others.