

Fowlerville Community Schools
Curriculum Standards ~ Grade: 5th Grade

LANGUAGE ARTS

Reading	<ol style="list-style-type: none">1. TLW read and analyze science fiction and fantasy texts to identify characteristics of the genre and analyze author's craft.2. TLW identify elements and use organizational and conceptual structures to read and analyze informational text.3. TLW read historical fiction and use a variety of strategies, including context clues, to determine the meaning of unfamiliar vocabulary in context.4. TLW read a variety of tall tales, to analyze story elements, author's/ illustrator's craft, and themes.5. TLW read a variety of classic and contemporary mystery selections to analyze, verify, and justify story elements.
Writing	<ol style="list-style-type: none">6. TLW write historical fiction, including content-related dialogue between a historical American and a present-day individual, focusing on correct punctuation and paragraphing.7. TLW research how individuals impact communities and/or the nation, using multiple and varied texts, and process write a report.8. TLW respond to published poetry and write original poetry using figurative language that includes simile, metaphor, alliteration, and personification.9. TLW compose persuasive business letters, using legible cursive writing or word processing and correct format.10. TLW correctly spell words independently in written work and correctly use content-related vocabulary words.
Listening	<ol style="list-style-type: none">11. TLW actively listen to and analyze drama, poetry, and short story genre for aesthetic quality, justifying preferences.
Speaking	<ol style="list-style-type: none">12. TLW design and deliver a presentation to convey meaning through effective introduction, rich content, and insightful conclusion, using a visual aid.

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MATHEMATICS

Number and Operations	<p>1. TLW explain division of whole numbers with and without remainders, relate division to fractions and repeated subtraction, and write mathematical statements involving division for given situations.</p> <p>2. TLW multiply a multi-digit number by a two-digit number, divide fluently up to a four-digit number by a two-digit number, and solve applied problems involving multiplication and division of whole numbers.</p> <p>3. TLW find the prime factorization of numbers between 2 and 50, express numbers in exponential notation, and understand that every whole number is either prime or can be expressed as a product of primes.</p> <p>4. TLW relate the relative magnitude of ones, tenths, and hundredths to place value, relate percentages to parts out of 100 and part of a whole as a percentage, express fractions and decimals as percentages and vice versa, and multiply whole numbers by decimals.</p> <p>5. TLW multiply and divide whole numbers by powers of ten.</p> <p>6. TLW add and subtract fractions using the common denominator that is the product of the denominators of the two fractions.</p> <p>7. TLW multiply unit fractions and divide a whole number by a fraction and a fraction by a whole number.</p> <p>8. TLW solve applied problems involving fractions and decimals and solve for unknowns.</p> <p>9. Given applied situations, TLW express ratios in several ways, recognize and find equivalent ratios, and find the unknown in a proportion.</p>
Measurement	<p>10. Using models, manipulatives, or illustrations, TLW show the relationship between areas of rectangles, triangles, and parallelograms and use area formulas.</p> <p>11. TLW find the volume of cubes and rectangular prisms and solve applied problems.</p> <p>12. TLW make conversions within customary or metric systems and apply the concepts of linear measurement, area, volume, weight/mass, and time to solve applied problems</p>
Geometry	<p>13. TLW identify, measure, and classify angles; find unknown angles using the properties of triangles, parallelograms, and trapezoids; and solve problems.</p>
Data and Probability	<p>14. TLW read, interpret, and construct line graphs and solve problems.</p> <p>15. TLW find and interpret range, mean, median, and mode in a set of data and solve multi-step problems involving means.</p>

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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 comparing and contrasting the impact of contact and non-contact forces on the motion of an object.
Physical Science	2. TLW describe what happens when two forces (balanced or unbalanced) act upon an object. 3. TLW describe the motion of an object in terms of distance, time, and direction and illustrate how motion can be represented on a graph.
Life Science	4. TLW identify selected body systems and explain how they work together to perform specific activities. 5. TLW classify organisms based on anatomical features. 6. TLW distinguish between inherited and acquired traits and explain the influence of the environment and genetics on the individual. 7. TLW explain how physical characteristics, behavioral characteristics, and environmental events affect survival of organisms.
Earth Science	8. TLW design a model that describes the position and relationship of the Sun, the planets, and other objects of the solar system and explain how gravity affects them. 9. TLW explain how the Earth's position and motion cause the seasons and define a year.

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SOCIAL STUDIES

History	<ol style="list-style-type: none"> 1. TLW describe the life of peoples living in North America before European exploration. 2. TLW identify the causes and consequences of European exploration and colonization. 3. TLW describe the lives of people living in western Africa prior to the 16th century. 4. TLW describe the environmental, political, and cultural consequences of the interactions among European, African, and American Indian peoples in the late 15th through 17th century. 5. TLW compare the regional settlement patterns and describe significant developments in Southern, New England, and Mid-Atlantic colonies. 6. TLW analyze the development of the slave system in the Americas and its impact on the life of Africans. 7. TLW distinguish among and explain the reasons for regional differences in colonial America. 8. TLW identify the major political, economic, and ideological reasons for the American revolution. 9. TLW explain the multi-faced nature of the American Revolution and its consequences. 10. TLW explain some of the challenges faced by the new nation under the Articles of Confederation and analyze the development of the United States Constitution.
Geography	
Civics and Government	
Economics	
Public Discourse, Decision Making, and Citizen Involvement	<ol style="list-style-type: none"> 11. TLW identify a problem, analyze information to solve it, and present the solution to inform others.