

**Fowlerville Community Schools**  
**Curriculum Standards ~ Grade: 6<sup>th</sup> Grade**

**LANGUAGE ARTS**

|           |  |
|-----------|--|
| Reading   | <ol style="list-style-type: none"><li>1. TLW read informational texts and write a summary and a personal reflection.</li><li>2. TLW read and analyze science fiction and fantasy texts to identify characteristics of the genre and theme.</li><li>3. TLW read realistic fiction and analyze a main character based on character traits, determine the theme, and make a personal connection.</li><li>4. TLW read and analyze a variety of classic and multicultural folktales for characteristics of the genre and for theme.</li></ol>   |
| Writing   | <ol style="list-style-type: none"><li>5. TLW respond to published poetry and write original poetry using meter, rhyme, and figurative language that includes simile, metaphor, alliteration, and personification.</li><li>6. TLW process write a short story or personal narrative, focusing on story elements and appropriate literary devices.</li><li>7. TLW process write an essay comparing thematically-linked texts, and write a personal response.</li><li>8. TLW process write a persuasive essay.</li><li>9. TLW correctly spell words independently in written work and correctly use content-related vocabulary words.</li></ol> |
| Listening | <ol style="list-style-type: none"><li>10. TLW employ listening strategies to analyze a variety of oral texts and presentations.</li></ol>  |
| Speaking  | <ol style="list-style-type: none"><li>11. TLW design and deliver a content-specific presentation, interacting with an audience.</li><li>12. TLW research a topic, problem, or issue, using a variety of resources to investigate and compare multiple perspectives.</li></ol>  |

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### MATHEMATICS

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|-----------------------|--|
| Number and Operations | <p>1. TLW demonstrate division of fractions as the inverse of multiplication, fluently multiply and divide any two fractions, write a mathematical statement to represent a situation involving division of fractions, and solve for the unknown.</p> <p>2. TLW order, add, subtract, multiply, and divide positive rational numbers and translate between rational forms (fractions and decimals).</p> <p>3. TLW estimate and calculate sums, differences, products, and quotients of positive rational numbers in applied situations.</p> <p>4. TLW explain the meaning of integers, absolute values, and fractions (including positive and negative fractions) and compute with integers to solve problems.</p> <p>5. TLW understand and use integer exponents and express numbers in scientific notation.</p> <p>6. TLW find equivalent ratios, percentages of numbers, and use rates, ratios, percentages, and proportions to solve real-life situations.</p> |
| Algebra               | <p>7. TLW write an algebraic expression or equation related to a given situation, simplify expressions of the first degree, and evaluate expressions using specific values.</p> <p>8. TLW understand and use properties of equations to solve equations of the form <math>ax + b = c</math> and solve contextual problems.</p> <p>9. TLW plot ordered pairs, use ordered pairs to graph linear equations, write equations for linear functions of the form <math>y = mx</math>, and represent simple relationships between quantities.</p>   |
| Measurement           | <p>10. TLW convert between basic units of measurement within the metric or customary systems.</p> <p>11. TLW construct circles with given diameters or radii, measure the diameter and radius of given circles, determine circumferences, and use a grid to determine areas.</p> <p>12. TLW construct nets for cubes and rectangular prisms and compute the surface area and volume of cubes and rectangular prisms using formulas.</p>  |
| Geometry              | <p>13. TLW understand and apply basic properties of lines, angles, triangles, and congruence of polygons; use paper folding for geometric construction; and solve problems.</p> <p>14. TLW perform the basic rigid motions in the plane (transformations such as rotations, reflections, translations), relate them to congruence, and apply them to solve problems.</p>   |
| Data and Probability  | <p>15. TLW read and interpret circle graphs, gather data, construct graphs, and formulate sentences to state conclusions which will include the use of mean, median, mode, and range in real-life situations.</p> <p>16. TLW express probabilities as fractions, decimals, and percentages between 0 and 1, inclusive; determine probabilities empirically from simple experiments; and compute probabilities theoretically by listing all possibilities.</p>  |

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**SCIENCE**

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|-------------------|--|
| Science Processes | 1. TLW demonstrate an understanding that scientific inquiry and reasoning involves observing, questioning, recording, communicating, and developing solutions to problems by identifying kinetic and potential energy and explaining the transformation between the two in simple mechanical systems.  |
| Physical Science  | 2. TLW explain radiation, conduction, and convection and how heat is transferred from one place to another.<br>3. TLW describe and illustrate changes in states of matter in terms of relative motion of atoms and molecules and explain conservation of mass as matter changes from state to state in a closed system.  |
| Life Science      | 4. TLW classify organisms based on their source of energy and describe patterns of relationships between organisms within an ecosystem.<br>5. TLW describe how all organisms (including humans) can alter the environment and predict possible consequences of overpopulation.   |
| Earth Science     | 6. TLW explain plate tectonic movement, layers of the Earth, and how a compass relates to the magnetic field of the Earth.<br>7. TLW use minerals and the rock cycle to compare and contrast the formation of rock types.<br>8. TLW compare and classify soils, explain how soils are formed, and relate the importance of soils to people.<br>9. TLW will explain how fossils provide important evidence of how life and environmental conditions have changed over time. |

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**SOCIAL STUDIES**

|  |  |
|--|--|
| History  | <p>1. TLW investigate how historians think and the processes, tools, and information they use to study and communicate historical knowledge.</p> <p>2. TLW describe the development and movement of early man throughout the Western Hemisphere to 4000 B.C.E./B.C.</p> <p>3. TLW describe the development of societies and culture of early man throughout the Western Hemisphere, 4000 to 1000 B.C.E./B.C.</p> <p>4. TLW describe the development of empires and cultures throughout the Western Hemisphere, 1000 B.C.E./B.C. to 300 C.E./A.D.</p> |
| Geography  | <p>5. TLW investigate how geographers think and the processes, tools, and information they use to study and communicate spatial thinking and geographic knowledge.</p> <p>6. TLW use the five themes of geography to describe the physical characteristics of places in the Western Hemisphere.</p> <p>7. TLW use five themes of geography to describe the human characteristics, systems, and patterns of settlement of places in the Western Hemisphere.</p>   |
| Civics and Government                                      | <p>8. TLW compare various forms of government in the Western Hemisphere and explain the challenges of interaction, cooperation, and conflict.</p>  |
| Economics  | <p>9. TLW explain economic activity in the Western Hemisphere, including systems of international interdependence and the role of governments.</p>   |
| Public Discourse, Decision Making, and Citizen Involvement | <p>10. TLW identify and investigate a public issue in the Western Hemisphere, analyze information about it, and develop a solution to present to others. (Capstone project)</p>  |