

**Fowlerville Community Schools**  
**Curriculum Standards ~ Grade: 7<sup>th</sup> Grade**

**LANGUAGE ARTS**

Reading	<ol style="list-style-type: none"><li>1. TLW read, view, and listen to classic and contemporary short stories to analyze plot, conflict, characterization, and theme.</li><li>2. TLW read and summarize informational text, using text structure and graphic organizers.</li><li>3. TLW read, view, and listen to multicultural narrative text to interpret elements of the author's craft, including flashback and foreshadowing.</li><li>4. TLW read a novel, short stories, and selected poetry, using text cues and affixes to determine the meaning of unknown vocabulary.</li></ol>
Writing	<ol style="list-style-type: none"><li>5. TLW process write a persuasive essay, intended for a specific audience, that contains a thesis statement related to a global, community, or school event.</li><li>6. TLW process write mystery, myth/legend, and drama, focusing on ideas, organization, voice, and conventions.</li><li>7. TLW read, listen to, view, perform, and create poetry using the poetic elements of form, sound, and theme, and figurative language such as onomatopoeia, hyperbole, and metaphor.</li><li>8. TLW write a response to a scenario prompt based on a universal theme, supporting ideas with examples from personal experience and related texts.</li><li>9. TLW process write a memoir using description, sensory words, dialogue, and authentic voice.</li><li>10. 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>11. TLW critically listen to and/or view various media messages to differentiate and evaluate persuasive techniques.</li></ol>
Speaking	<ol style="list-style-type: none"><li>12. TLW design and deliver a presentation on a selected topic to influence an audience, using appropriate speaking strategies.</li><li>13. TLW collaboratively research a pertinent and timely issue/problem, generate questions, create a thesis, and gather data to individually evaluate, select, and justify a possible solution.</li></ol>

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**MATHEMATICS**

Number and Operations	<p>1. TLW apply ratios, rates, proportions, and percents in problem solving situations.</p> <p>2. TLW solve problems involving derived quantities such as density, velocity, and weighted averages.</p> <p>3. TLW apply the concepts of square root and cube root, simplify expressions using order of operations, and estimate square roots and cube roots.</p> <p>4. TLW solve problems involving operations with integers and estimate and perform computations involving rational numbers.</p>
Algebra	<p>5. TLW understand and apply linear relationships of the form <math>y=mx + b</math>, directly proportional relationships of the form <math>y = mx</math>, and solve applied problems.</p> <p>6. TLW calculate the slope as a ratio from the graph of a linear function, and know that the solution to a linear equation corresponds to the point at which the graph of its related function crosses the x-axis.</p> <p>7. TLW recognize inversely proportional relationships in contextual situations, explain that the graph of <math>y = k/x</math> never crosses the x- nor the y-axis, and solve simple problems.</p> <p>8. TLW use the associative, commutative, identity, inverse, zero, and distributive properties; simplify algebraic expressions of the first degree; and generate and solve linear equations of the form <math>ax + b = c</math> and <math>ax + b = cx + d</math>.</p>
Geometry	<p>9. TLW use appropriate tools to perform basic geometric constructions.</p> <p>10. TLW use the concepts of similarity and congruence relating to angles and sides of polygons to solve problems and understand that when two-dimensional shapes are similar with a scale factor of <math>r</math>, their areas are related by a factor of <math>r</math> squared.</p>
Data and Probability	<p>11. TLW calculate and interpret relative and cumulative frequencies, and create, represent and interpret data in various graphs and plots.</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 identifying evidence of chemical change.
Physical Science	2. TLW classify substances by their physical and chemical properties, and explain the relationship of elements to the periodic table. 3. TLW identify examples of waves and explain how waves transfer energy when they interact with matter.
Life Science	4. TLW explain that organisms are made of cells that may specialize for a particular purpose and that cells function in similar ways in all organisms. 5. TLW compare sexual and asexual reproduction of organisms for the continuation of genetic characteristics. 6. TLW explain the process of photosynthesis.
Earth Science	7. TLW describe weather conditions and explain the influence of the atmosphere and oceans on weather and climate. 8. TLW explain the water cycle and analyze the flow of water in the environment. 9. TLW explain how human activities have consequences on the environment.

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**SOCIAL STUDIES**

History	<ol style="list-style-type: none"><li>1. TLW investigate how historians think and the processes, tools, and information they use to study and communicate historical knowledge.</li><li>2. TLW describe the development and movement of early man throughout the Eastern Hemisphere to 4000 B.C.E./B.C.</li><li>3. TLW describe the development of societies and culture of early man throughout the Eastern Hemisphere, 4000 to 1000 B.C.E./B.C.</li><li>4. TLW describe the development of empires and cultures throughout the Eastern Hemisphere, 1000 B.C.E./B.C. to 300 C.E./A.D.</li></ol>
Geography	<ol style="list-style-type: none"><li>5. TLW investigate how geographers think and the processes, tools, and information they use to study and communicate spatial thinking and geographic knowledge.</li><li>6. TLW use five themes of geography to describe the physical characteristics of places in the Eastern Hemisphere.</li><li>7. TLW use the five themes of geography to describe the human characteristics, systems, and patterns of settlement of places in the Eastern Hemisphere.</li></ol>
Civics and Government	<ol style="list-style-type: none"><li>8. TLW compare various forms of government in the Eastern Hemisphere and explain the challenges of interaction, cooperation, and conflict.</li></ol>
Economics	<ol style="list-style-type: none"><li>9. TLW explain economic activity in the Eastern Hemisphere, including systems of international interdependence and the role of governments.</li></ol>
Public Discourse, Decision Making, and Citizen Involvement	<ol style="list-style-type: none"><li>10. TLW identify and investigate a public issue in the Eastern Hemisphere, analyze information about it, and develop a solution to present to other. (Capstone project)</li></ol>