

# Grade 5 Competencies

| <i>English Language Arts</i>   | <i>Mathematics</i>  |
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| <ul style="list-style-type: none"> <li>★ Uses grade-appropriate word analysis skills to decode and comprehend unfamiliar words</li> <li>★ Reads fluently on grade level</li> <li>★ Comprehends increasingly complex text by using a variety of strategies</li> <li>★ Explains how plot, character and setting contribute to text structure</li> <li>★ Analyzes literature by citing evidence from text and can locate evidence within text</li> <li>★ Demonstrates comprehension of informational text</li> <li>★ Analyzes information from multiple sources of the same topic and can locate evidence within a text</li> <li>★ Composes argument writing, supporting a point of view with reasons and information</li> <li>★ Composes informative writing with clear and coherent ideas for a range of purposes</li> <li>★ Composes written narrative using technique, detail, and clear event sequence</li> <li>★ Writes routinely over extended time frames and shorter time frames for a range of discipline-specific tasks, purposes, and audiences</li> <li>★ Conducts short research projects, using credible and relevant sources</li> <li>★ Applies spelling conventions in writing</li> <li>★ Uses the tools of technology to gather, interpret, analyze, and present information</li> </ul> | <ul style="list-style-type: none"> <li>★ Reads, writes, and compares numbers up to the thousandths place</li> <li>★ Recognizes and explains patterns in multiplying by powers of ten</li> <li>★ Multiplies multi digit numbers</li> <li>★ Divides multi digit numbers</li> <li>★ Writes, interprets and evaluates multi-operation expressions</li> <li>★ Adds and subtracts unlike fractions</li> <li>★ Adds and subtracts mixed numbers</li> <li>★ Multiplies by fractions</li> <li>★ Divides by fractions</li> <li>★ Adds and subtracts decimals to the hundredths place</li> <li>★ Multiplies and divides decimals to the hundredths place</li> <li>★ Solves word problems involving adding and subtracting fractions</li> <li>★ Solves word problems involving the four operations of fractions</li> <li>★ Classifies 2D shapes into a hierarchy based on their attributes</li> <li>★ Determines volume of rectangular shaped objects</li> <li>★ Solves real world problems by graphing ordered pairs and interpreting value on a coordinate plane</li> <li>★ Constructs viable arguments to support their own reasoning and to critique the reasoning of others</li> </ul> |

| <i>Science</i>   | <i>Social Studies</i>   |
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| <ul style="list-style-type: none"> <li>★ Employs the engineering design process: Ask - Imagine - Plan - Create - Improve</li> <li>★ Uses data to create investigations, develop a model, and solve problems</li> <li>★ Develops, uses and improves models in order to describe a system, how its parts function together, and how internal and external factors affect the system or its parts</li> <li>★ Describes or compares physical quantities when answering questions about structure and properties of matter, earth's systems etc.</li> <li>★ Uses observational data to predict or draw conclusions about cause and effect relationships (forces and interactions, properties of matter, energy, interdependent relationships in ecosystems).</li> </ul> | <ul style="list-style-type: none"> <li>★ Explains how groups of people make rules to create responsibilities and protect freedoms</li> <li>★ Explains the origins, functions, and structure of the government, including those created by the US and state Constitutions</li> <li>★ Explains how trade leads to economic independence among nations</li> <li>★ Explains how geographic features influence life in the United States and the world</li> <li>★ Applies and demonstrates knowledge of major eras, individuals and/or groups who have profoundly affected life in the United States and other nations</li> <li>★ Develops and present research-based projects using information from a provided source</li> </ul> |

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| <i>Art</i>                | <ul style="list-style-type: none"> <li>★ Experiments and develops skills in multiple art-making techniques</li> <li>★ Demonstrate quality craftsmanship through care for and use of materials, tools, and equipment</li> </ul>   |
| <i>Music</i>              | <ul style="list-style-type: none"> <li>★ Improvises melodic, rhythmic and harmonic ideas within specific guidelines and explains choices</li> <li>★ Creates musical ideas using meters, and simple chord changes</li> <li>★ Documents rhythmic, melodic and two-chord harmonic musical ideas within specific guidelines</li> <li>★ Shares and explains personal musical creations, demonstrating craftsmanship</li> <li>★ Performs grade-level appropriate music with expression, technical accuracy and appropriate interpretation</li> <li>★ Evaluates and explains music using appropriate musical vocabulary, citing evidence in examples</li> </ul> |
| <i>Health</i>             | <ul style="list-style-type: none"> <li>★ Demonstrates decision-making and goal setting skills to enhance health</li> </ul>   |
| <i>Physical Education</i> | <ul style="list-style-type: none"> <li>★ Demonstrates respectful and responsible behavior while working in a group</li> <li>★ Applies motor skills and fundamental strategies in physical activities</li> <li>★ Differentiates between skill-related and health related fitness</li> <li>★ Engages actively in all of the activities</li> </ul>  |