

Curriculum 2.0 - Grade 5 – What should students know and be able to do?

Art	<p>Represent point of view, mood, meaning, thoughts, and feelings through visual compositions.</p> <p>Identify, compare, and represent different times and places in visual compositions.</p> <p>Plan multiple solutions when integrating ideas and information using the elements of art and principles of design to create visual compositions.</p> <p>Integrate and justify critique criteria to evaluate and respond to artwork.</p> <p>Select and adapt materials and processes in the creation of artwork.</p>
General Music	<p>Perform alone and in an ensemble: chordal accompaniments and sing partner songs with correct posture, head voice, clear vowels, and clear diction.</p> <p>Improvise a simple melody over a 12-bar blues chord progression and create, notate, and arrange a melodic composition for classroom instruments.</p> <p>Demonstrate fluency of musical language: read standard notation on the treble staff to perform a melody and represent an aural melody using melodic dictation.</p> <p>Identify and analyze musical form and instruments; compare and evaluate performances.</p> <p>Perform movement to demonstrate traditional folk dances, compound meter, and to communicate meaning.</p>
Health Education	<p>Identify and describe strategies to stay safe.</p> <p>Identify, describe, and organize benefits of behaviors and strategies that promote lifelong wellness.</p>
Information Literacy	<p>Formulate and refine researchable questions based on personal or content information need and availability of resources.</p> <p>Determine how to ethically act on recorded information gathered from multiple sources and critique recorded information from multiple sources to verify reliability and validity.</p> <p>Integrate recorded information and self-monitor strategies to assess progress and apply new thinking to create a new product for specific audience.</p> <p>Demonstrate willingness to accept uncertainty by expressing intellectual freedom and explaining its value.</p>
Mathematics	<p>Integrate the components of mathematical proficiency with whole number operations and applications to build fluency with addition and subtraction of fractions and develop understanding of multiplication and division of fractions.</p> <p>Combine concepts about relationships among whole number operations, fractions, and decimals to develop and apply strategies for multiplication and division with fractions and decimals.</p> <p>Combine concepts about relationships among whole number operations to develop mathematical proficiency of division with multi-digit whole numbers.</p> <p>Select appropriate units, strategies, and tools to develop understanding of and solve problems with concepts of volume.</p> <p>Classify two-dimensional figures in a hierarchy; analyze the relationship between two numerical patterns and represent the relationship on the coordinate plane.</p>
Physical Education	<p>Demonstrate and combine movement skills to react to the position of moving and stationary people and objects in dynamic, game-like settings.</p> <p>Select and combine locomotor skills, non-locomotor skills, and relationships with others in a creative movement sequence.</p> <p>Combine and apply health-related fitness components into the FITT Formula to develop a personal fitness plan and adapt personal goals based on achievement.</p> <p>Create and justify rules collaboratively to promote responsibility for self and others.</p>
Reading Language Arts	<p>Apply grade level appropriate phonics/word analysis skills and word recognition to read with sufficient accuracy and fluency to support comprehension.</p> <p>Read and comprehend literature at the high end of the grades 4-5 text complexity band strategically and independently.</p> <p>Read and comprehend informational text at the high end of the grades 4-5 text complexity band strategically and independently.</p> <p>Write routinely over extended time frames and shorter time frames for a range of discipline-specific tasks, purposes, and audiences using processes and traits.</p> <p>Listen and speak effectively when evaluating grade-level appropriate topics and texts.</p> <p>Acquire appropriate vocabulary and demonstrate command of grade-level conventions to use language effectively.</p>

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Science and Engineering	Formulate generalizations that living things are made of cells by identifying and describing evidence of different types of cells in organisms. Examine likenesses between parents and offspring to formulate generalizations about inherited and learned characteristics. Determine through investigation properties of light and objects in the universe, including movements, locations and positions to infer cause and effects of celestial patterns. Formulate generalizations about the relationships between forms of energy, forces and measurable changes in motion. Select, test and provide evidence of forces acting on objects including electricity and magnetism.
Social Studies	Formulate generalizations about the role and influence of individuals, groups, and events leading to the onset of and during the Revolutionary War. Formulate generalizations about roles and perspectives of individuals and groups which shaped events leading to and during the Constitutional Convention. Infer and explain the significance of principles and organizational structures found in governing documents. Infer and explain how geographic characteristics influenced settlement patterns in Maryland and the United States. Formulate generalizations about interactions between decisions made by individuals and governments and wants.