

## Sixth Grade Curriculum Overview

	Reading/Language	Math	Science	Social Studies
Qtr 1	<p>Reading:  <b>Genre</b>  <b>Compare and Contrast</b>  <b>Sequence</b>  <b>Main idea and details:</b>  <b>Expository &amp; Narrative</b>  <b>Story Elements:</b>  <b>Character, Setting,</b>  <b>Plot, Theme, Conflict</b>  <b>Author's point of view</b>  <b>Supporting details from text evidence</b>  <b>Greek / Latin roots</b>  <b>Figurative language</b>  <b>Cause/ Effect</b>  <b>Connotations/ Denotations</b>  <b>Context Clues</b>  <b>Metaphors/ Similes</b>  <b>Root words</b>  <b>Structure of text</b>  <b>Multiple meaning words</b></p> <p>Language Arts/Grammar:  <b>Sentence types</b>  <b>Parts of Speech</b></p>	<p>Estimation  <b>Add and Subtract, Multiply and Divide with Whole Numbers</b>  <b>Exponents</b>  <b>Order of Operations</b>  <b>Algebra Properties</b>  Mental Math Strategies  Decimal Place Value  Estimating with Decimals  <b>Add and Subtract, Multiply and Divide with Decimals</b>  <b>Divisibility Rules</b>  <b>Prime and Composite Numbers</b>  Prime Factorization  Least Common Multiple  Greatest Common Factor  Understanding Fractions and Place Values  Fractions, Decimals, and Percents  <b>Compare and Order Fractions, Decimals, and Percents</b>  <b>Add and Subtract, Multiply</b></p>	<p><b>Understand scientific inquiry &amp; skills:</b>  Test a hypothesis through experimental design  Create, analyze &amp; interpret graphs  Compare &amp; contrast variables &amp; control groups  Recognize vital relationship between observations &amp; conclusions  Apply scientific methodology to everyday thinking and problem solving</p> <p><b>Apply scientific methodology to:</b>  Identify the phases of the Moon  <b>C &amp; C lunar &amp; solar eclipses</b>  Explain effect of Moon's revolution on Earth  <b>C &amp; C rotation &amp; revolution</b>  Discuss space exploration</p>	<p><b>Explore life as immigrant coming through Ellis or Angel Islands</b>  <b>Explore how industry changed the American way of life</b>  Businessmen got richer, workers demanded better conditions  <b>Identify workplace Reforms</b>  <b>Explain how the development of the telegraph(1837) &amp; radio (1910) changed how America communicated.</b>  <b>Identify political &amp; social reforms of Progressive movement</b>  Recognize goals of early civil rights movement &amp; NAACP  <b>Explain provisions of 16th, 17th, 18th, 19th, &amp; 21st Amendments to the Constitution</b>  <b>Identify factors leading up to U.S. involvement into WWI</b>  Describe U.S. military &amp; civilian roles in WWI</p>

	<p><b>Combining Sentences</b>  <b>Use of commas</b>  <b>Run-on, Fragments</b></p>	<p><b>and Divide Fractions and Mixed Numbers</b>  Word Problems  Choose the Operation with Word Problems</p>	<p><b>Identify elements that make up a solar system</b>  Discuss the formation of our solar system, planets &amp; orbits  Differentiate between the inner &amp; outer planets  Describe the properties of a star  Find the distance to a star  Understand a light-year  Describe life cycle of stars  Explore &amp; classify galaxies  Identify the Milky Way as our home galaxy  Explore the formation of the Earth  Discuss the structure of the universe</p>	<p>Highlight leaders that had big impact on war  <b>Analyze technological advances of WWI that had impact on modern warfare</b>  <b>Locate &amp; identify countries that were major players in war &amp; detail any postwar boundary changes</b>  Define &amp; explore growing isolationism of U.S. postwar  Recognize &amp; explain strategic placement of U.S. military bases, especially in Alabama</p>
<b>Qtr 2</b>	<p>Reading:  <b>Comprehension: Problem and Solution</b>  Latin Roots  Greek and Latin Prefixes/ Suffixes  <b>Writing about text</b>  Compare and Contrast  <b>Point of View</b>  Connotations/Denotations</p>	<p><b>Mean, Median, Mode, and Range</b>  Frequency Tables and Line Plots  Samples and Surveys  Draw Diagrams to Solve Problems  <b>Make and Analyze Graphs</b>  <b>Stem-and-Leaf Plots and Histograms</b></p>	<p><b>Apply scientific methodology to: Describe all aspects of weather</b>  Explain connection b/n air pressure &amp; wind  <b>Explore how water cycle drives weather</b>  Demonstrate knowledge of types of clouds</p>	<p>Introduce impact of various artists to the Harlem Renaissance &amp; Jazz Age  <b>Identify importance of major contributions of the turn-of-the-century inventors</b>  Identify notable persons of the early 1900s  Describe the emergence of the</p>

	<p><b>Theme</b>  <b>Personification</b>  <b>Text evidence</b>  <b>Inferences</b>  <b>Word meaning /tone/ function</b>  <b>Summarizing</b>  <b>Analyze details</b>  Structure of text  <b>Consult reference materials</b>  Interpret figures of speech</p> <p>Language Arts/Grammar:  Nouns (singular, plural, possessive)  <b>Appositives</b></p>	<p>Choose appropriate graphs  Draw conclusions about graphs  <b>Box-and-Whisker Plots</b>  <b>Write Algebraic Equations From Words</b>  <b>Solve Algebraic Expressions</b>  <b>Recognizing Numeric and Geometric Patterns</b>  Inequalities on a Number Line  <b>Graph on a Coordinate Plane</b>  Graph Linear Equations and Functions  Graph Relationships  Making a Graph to Solve a Problem</p>	<p>Review types of precipitation  Research types of severe weather  <b>Predict weather based on air pressure &amp; fronts</b>  <b>Explore technology used to predict weather</b>  Explain concept of climate &amp; factors affecting it  Trace climate change through time  <b>Describe how water cycle affects life on Earth</b>  Explore droughts &amp; floods  Describe how carbon (biochemical) cycle affects life  Compare &amp; contrast renewable &amp; non-renewable resources  How do people's use of resources impact Earth  Discuss ways to conserve resources</p>	<p>modern woman during the early 1900s  <b>Compare &amp; contrast results of economic policies of Harding, Coolidge, &amp; Hoover Administrations</b>  <b>Identify patterns of migration during the Great Depression</b>  Locate Dust Bowl area on a map &amp; review effects of disaster to citizens  <b>Describe importance of Franklin D. Roosevelt getting elected as President &amp; explore New Deal alphabet agencies</b>  Locate river systems used by TVA on a map</p>
<p><b>Qtr 3</b></p>	<p>Reading:  Theme  <b>Sequence</b>  <b>Cause and Effect</b></p>	<p><b>Using the Protractor</b>  <b>Angle Relationships</b>  <b>Classify Lines and Planes</b>  Use Logic to Solve</p>	<p><b>Apply scientific methodology to:</b>  <b>Review structural layers of the Earth &amp; their</b></p>	<p><b>Identify &amp; locate the Axis Powers &amp; Allied countries</b>  <b>Locate &amp; identify key engagements of WWII</b></p>

	<p>Main Idea and Key Details  <b>Draw evidence from analysis, reflection, and research</b>  Multiple meaning words  <b>Word relationships</b>  <b>Structure of text</b>  Context clues</p> <p>Language Arts/Grammar:  <b>Prefixes/ Suffixes</b>  <b>Synonyms/ Antonyms</b>  <b>Verbs (action, main, helping, linking, irregular)</b></p>	<p>Problems  <b>Identify Plane Figures</b>  <b>Translations, Reflections, and Rotations on the Coordinate Plane</b>  <b>Identifying Solid Figures</b>  Generalize and Model Solid Figures with Nets  <b>Elapsed Time</b>  <b>English Measuring System</b>  <b>Metric Measuring System</b>  Appropriate Units and Comparisons  <b>Area, Circumference, and Perimeter of Plane Figures</b>  Rearranging Figures to Solve Problems  <b>Volume and Surface Area of Prisms and Cylinders</b></p>	<p><b>properties</b>  <b>Prove that Earth's crust is made of moving plates</b>  <b>Explain how theory of plate tectonics is responsible for Earth's landforms</b>  <b>Examine causes &amp; effects of earthquakes &amp; volcanoes</b>  Review regions of ocean floor  <b>Compare &amp; Contrast the landforms on ocean floor &amp; Earth's surface</b>  Review the differences between rapid &amp; gradual change of Earth's surface  <b>Compare &amp; contrast chemical &amp; mechanical weathering</b>  <b>Explain how weathering, erosion, &amp; deposition change Earth's features</b>  Explore how rivers change landscape  Discover how wave &amp; wind erosion change coastlines</p>	<p><b>Identify key figures from WWII</b>  Identify new roles &amp; experiences of women &amp; African Americans in workforce &amp; in war  <b>Describe development of and decision to use atomic bomb</b>  <b>Explore the human costs associated with WWII</b>  <b>Explain importance of surrender of Axis Powers</b>  <b>Explore the origin &amp; meaning of the "Iron Curtain" &amp; communism</b>  <b>Identify strategic diplomatic initiatives that intensified Cold War</b>  <b>Discuss how Cold War tensions led to armed conflicts (Korean Conflict, Vietnam War)</b>  Research impact Cold War had on technological innovations  <b>Assess effects of end of Cold War Era (SDI, Star Wars, Gorbachev, collapse of USSR)</b></p>
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<p><b>Qtr 4</b></p>	<p>Reading:  <b>Cite textual evidence</b>  <b>Inferences</b>  Theme  Word meaning(Figurative/ connotative)  Structure of text  Point of View  Author's Point of View</p> <p>Language Arts/Grammar:  Prefixes/ Suffixes  Pronouns (Possessive)  <b>Antecedents</b>  Context Clues  <b>Idioms</b>  <b>Homophones/</b>  <b>Homographs</b>  <b>Figurative Language</b></p>	<p><b>Ratios and Rates</b>  <b>Proportions</b>  Distance, Rate, and Time  Ratios and Similar Figures  <b>Percent, Decimals, and Fractions</b>  <b>Percent of a Number</b>  Graphing Percents  <b>Basic Probability</b>  Independent and  Dependent Events  Permutations and  Combinations  <b>Add, Subtract, Multiply, and Divide Integers</b>  Rational Numbers  Compare and Order  Rational Numbers  Properties of Rational Numbers  Irrational Numbers</p>	<p><b>Apply scientific methodology to:</b>  <b>Review that Earth's biosphere is divided into biomes &amp; describe characteristics of each</b>  Explore how organisms interact with each other &amp; the environment &amp; share resources  <b>Explain how biotic &amp; abiotic factors shape communities in ecosystem</b>  Explain what makes up the hydrosphere  <b>List zones of Oceanic Biome</b>  Explore the characteristics of each zone  Compare/contrast organisms living each zone  Explore factors that determine amount &amp; types of life in each zone  Determine ways to preserve oceanic biome</p>	<p><b>Explore:</b>  <b>Shift from manufacturing to service economy</b>  higher standard of living  Globalization  <b>Identify policies &amp; programs that had economic impact on society since WWII</b>  <b>Explore major social &amp; cultural changes in the US since WWII</b>  <b>Identify key players in Civil Rights Movement</b>  <b>Explore impact of media on US culture</b>  <b>Explore technological advancements in society</b>  <b>Evaluate</b>  <b>Significant political issues &amp; policies of presidential administrations since WWII</b>  <b>Foreign Affairs Issues</b>  <b>Persian Gulf Wars</b>  <b>9/11/2001/ War of Terror</b></p>
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Note: Most Essential Objectives in **Bold**