

Fifth Grade Pacing Guide, 2016-2017 – Traditional

FIRST NINE WEEKS	Month	English Language Arts	Math	Science	Social Studies	
	August	Unit 1: Words, Words, and More Words RL.5./RI.5.1: Determine what the text says; inference/ evidence RL.5.3/RI.5.3: Analyze text structure (individuals/events/ ideas) W.5.1: Write arguments/ opinion (organizational structure; support with facts; use words/phrases/clauses to link opinion and reasons) W.5.4: Writing production - clear/coherent writing W.5.5: Develop and strengthen writing (plan/revise/edit) W.5.6: Produce and publish writing SL.5.1: Conversation and collaboration SL.5.4: Present information L.5.1c,d: Conventions of standard English-grammar (verb tense) L.5.4a-c: Determine/clarify meaning of words (use context clues, affixes and roots, and reference materials) RF.5.3a: Phonics and word recognition (letter-sound correspondences, syllabication patterns, morphology) RF.5.4a-c: Fluency (read with purpose, understanding, accuracy, appropriate rate, and expression)	Unit 1: Place Value Within Decimals 5.NBT.1: Recognize that in a multi-digit number, a digit in one place represents 10 times as much as it represents in the place to its right and 1.10 of what it represents in the place to its left. 5.NBT.2: Explain patterns in the number of zeros of the product when multiplying a number by powers of 10. 5.NBT.3: Read, write, and compare decimals to thousandths. 5.NBT.4: Use place value understanding to round decimals to any place.	Science Safety Students will identify and apply basic science classroom safety rules and procedures.	Unit 1: Age of Exploration 5.G.1: Understand how human activity has and continues to shape the United States. <ul style="list-style-type: none"> 5.G.1.3: Exemplify how technological advances (communication, transportation, and agriculture) have allowed people to overcome geographic limitations. 5.E.2: Understand that personal choices result in benefits or consequences. <ul style="list-style-type: none"> 5.E.2.1: Explain the importance of developing a basic budget for spending and saving. 5.E.2.2: Evaluate the costs and benefits of spending, borrowing, and saving. 5.C&G.1: Understand the development, structure, and function of government in the United States. <ul style="list-style-type: none"> 5.C&G.1.1: Explain how ideas of various governments influenced the development of the United States government (Roman, Greek, Iroquois, and British). 5.C&G.1.2: Summarize the organizational structures and powers of the United States government (legislative, judicial, and executive branches of government). 5.C&G.1.3: Analyze historical documents that shaped the foundation of the United States government. 	
	September			Unit 2: Renaissance RL.5.2/RI.5.2: Central ideas/themes/summary RL.5.4/RI.5.4: Interpret words and phrases (word choice) RL.5.5/RI.5.5: Analyze the structure of text RI.5.8: Author's use of reasons and evidence to support points in text W.5.2: Write to inform/explain W.5.4: Writing production - clear/coherent writing W.5.5: Develop and strengthen writing (plan/revise/edit) W.5.6: Produce and publish writing SL.5.2: Central ideas/themes/summary SL.5.6: Adapt speech/ command of formal English		Unit 2: Operating on Whole Numbers and Decimals 5.OA.1: Use parentheses, brackets, or braces in numerical expressions, and evaluate expressions with these symbols. 5.OA.2: Write simple expressions that record calculations with numbers, and interpret numerical expressions without evaluating them.
	October			5.NBT.5: Fluently multiply multi-digit whole numbers using the standard algorithm. 5.NBT.6: Find whole-number quotients of whole numbers with up to four-digit dividends and two-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.		Energy: Conservation and Transfer 5.P.3.1: Explain the effects of the transfer of heat (either by direct contact or at a distance) that occurs between objects at different temperatures. (conduction, convection or radiation). 5.P.3.2: Explain how heating and cooling affect some materials and how this relates to their purpose and practical application

SECOND NINE WEEKS	Month	English Language Arts		Math		Science		Social Studies	
	November	Unit 2: Renaissance	<p>L.5.1a,b,e: Conventions of standard English grammar (conjunctions, prepositions, interjections; perfect verb tenses) L.5.4b: Determine/clarify meaning of words (use affixes and roots as clues) RF.5.3a: Phonics and word recognition (letter-sound correspondences, syllabication patterns, morphology) RF.5.4a-c: Fluency (read with purpose, understanding, accuracy, appropriate rate, and expression)</p>	Unit 2: Operating on Whole Numbers and Decimals	<p>5.NBT.7: Add, subtract, multiply, and divide decimals to hundredths, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method and explain the reasoning used.</p>	Ecosystems	<p>5.L.2.1: Compare the characteristics of several common ecosystems, including estuaries and salt marshes, oceans, lakes and ponds, forests, and grasslands.</p>	Unit 2: We the People	<p>5.H.1: Analyze the chronology of key events in the United States.</p> <ul style="list-style-type: none"> 5.H.1.1: Evaluate the relationships between European explorers (French, Spanish, and English) and American Indian groups, based on accuracy of historical information (beliefs, fears and leadership). 5.H.1.2: Summarize the political, economic, and social aspects of colonial life in the thirteen colonies. <p>5.G.1: Understand how human activity has and continues to shape the United States.</p> <ul style="list-style-type: none"> 5.G.1.4: Exemplify migration within or immigration to the United States in order to identify push and pull factors (why people left/why people came). <p>5.C.1: Understand how increased diversity resulted from migration, settlement patterns, and economic development in the United States.</p> <ul style="list-style-type: none"> 5.C.1.1: Analyze the change in leadership, cultures, and everyday life of American Indian groups before and after European exploration. 5.C.1.2: Exemplify how the interactions of various groups have resulted in borrowing and sharing of traditions and technology. 5.C.1.3: Explain how the movement of goods, ideas, and various cultural groups influenced the development of regions in the United States. 5.C.1.4: Understand how cultural narratives (legends, songs, ballads, games, folk tales, and art forms) reflect the lifestyles, beliefs, and struggles of diverse ethnic groups
	December	Unit 3: Culture	<p>RL.5/RI.5.1: Determine what the text says; inference/ evidence RL.5.3/RI.5.3: Analyze text structure (individuals/events/ ideas) RL.5.4/RI.5.4: Interpret words and phrases (word choice) RI.5.8: Author's use of reasons and evidence to support points in text W.5.1: Write arguments/opinion (organizational structure; support with facts; use words/phrases/clauses to link opinion and reasons) W.5.6: Produce and publish writing W.5.7: Research projects SL.5.1: Conversation and collaboration SL.5.3: Speaker's point of view L.5.4a: Use context clues to determine/clarify word meanings L.5.5a: Word relationships (figurative language-similes and metaphors) RF.5.3a: Phonics and word recognition (letter-sound correspondences, syllabication patterns, morphology) RF.5.4a-c: Fluency (read with purpose, understanding, accuracy, appropriate rate, and expression)</p>	Unit 3: Number and Operations - Fractions	<p>5.NF.1: Add and subtract fractions with unlike denominators by replacing given fractions with equivalent fractions in such a way as to produce an equivalent sum or difference of fractions with like denominators. 5.NF.2: Solve word problems involving addition and subtraction of fractions referring to the same whole. 5.NF.3: Interpret a fraction as division of the numerator by the denominator. Solve word problems involving division of whole numbers leading to fraction/mixed number answers.</p>	Ecosystems	<p>5.L.2.2: Classify the organisms within an ecosystem according to the function they serve: producers, consumers, or decomposers (biotic factors).</p> <p>5.L.2.3: Infer the effects that may result from the interconnected relationship of plants and animals to their ecosystem.</p>		
	January	Unit 3: Culture	<p>5.NF.6: Interpret multiplication as scaling by comparing the size of a product to the size of one factor on the basis of the size of the other factor, without performing the indicated multiplication and by explaining why multiplying a given number by a fraction greater than 1 results in a product greater than the given number. 5.NF.4: Apply and extend previous understandings of multiplication to multiply a fraction or whole number by a fraction. 5.NF.6: Solve real-world problems involving multiplication of fractions and mixed numbers.</p>	Unit 3: Number and Operations - Fractions	<p>5.NF.6: Interpret multiplication as scaling by comparing the size of a product to the size of one factor on the basis of the size of the other factor, without performing the indicated multiplication and by explaining why multiplying a given number by a fraction greater than 1 results in a product greater than the given number. 5.NF.4: Apply and extend previous understandings of multiplication to multiply a fraction or whole number by a fraction. 5.NF.6: Solve real-world problems involving multiplication of fractions and mixed numbers.</p>	Forces and Motion	<p>5.P.1.1: Explain how factors such as gravity, friction, and change in mass affect the motion of objects.</p> <p>5.P.1.2: Infer the motion of objects in terms of how far they travel in a certain amount of time and the direction in which they travel.</p> <p>5.P.1.3: Illustrate the motion of an object using a graph to show a change in position over a period of time.</p> <p>5.P.1.4: Predict the effect of a given force or a change in mass on the motion of an object.</p>		

THIRD NINE WEEKS	Month	English Language Arts		Math		Science		Social Studies	
	January	Unit 4: Which Side of the Fence, America?	<p>RL.5./RI.5.1: Determine what the text says; inference/ evidence</p> <p>RL.5.2/RI.5.2: Central ideas/themes/summary</p> <p>RL.5.4/RI.5.4: Interpret words and phrases (word choice)</p> <p>RL.5.7/RI.5.7: Integrate and evaluate content in diverse media</p> <p>RI.5.8: Author’s use of reasons and evidence to support points in text</p> <p>W.5.3: Write narratives</p> <p>W.5.7: Research projects</p> <p>W.5.8: Gather relevant information/synthesize</p> <p>SL.5.2: Central ideas/themes/ summary</p> <p>SL.5.4: Present information</p> <p>SL.5.5: Understanding of presentations</p> <p>L.5.2a-d: Conventions of standard English-mechanics</p> <p>L.5.3a-b: Knowledge of language function</p> <p>RF.5.3a: Phonics and word recognition (letter-sound correspondences, syllabication patterns, morphology)</p> <p>RF.5.4a-c: Fluency (read with purpose, understanding, accuracy, appropriate rate, and expression)</p>	Unit 3: Number and Operations - Fractions	<p>5.NF.7: Apply and extend previous understandings of division to divide unit fractions by whole numbers and whole numbers by unit fractions.</p>	Structures and Functions of Living Organisms	<p>5.L.1.1: Explain why some organisms are capable of surviving as a single cell while others require many cells that are specialized to survive.</p>	Unit 3: Get Ready to Rumble	<p>5.H.1: Analyze the chronology of key events in the United States.</p> <ul style="list-style-type: none"> 5.H.1.3: Analyze the impact of major conflicts, battles, and wars on the development of our nation through Reconstruction. <p>5.G.1: Understand how human activity has and continues to shape the United States.</p> <ul style="list-style-type: none"> 5.G.1.1: Explain the impact of the physical environment on early settlements in the New World. 5.G.1.2: Explain the positive and negative effects of human activity on the physical environment of the United States, past and present.
	February		<p>5.MD.1: Convert among different-sized standard measurement units within a given measurement system (e.g., convert 5 cm to 0.05 m), and use these conversions in solving multi-step real-world problems.</p> <p>5.MD.2: Create a line plot to display a data set of measurements in fractions of a unit. Use operations on fractions for this grade to solve problems involving information presented in line plots.</p>		<p>5.L.1.2: compare the major systems of the human body (digestive, respiratory, circulator, muscular, skeletal, and cardiovascular) in terms of their functions necessary for life.</p>				
	March		Unit 5: Explore – Is it Fantasy or Fact?		Unit 4: Measurement and Data	<p>5.E.1.1: Compare daily and seasonal changes in weather conditions (including wind speed and direction, precipitation, and temperature) and patterns.</p>	Weather		<p>5.E.1.2: Predict upcoming weather events from weather data collected through observation and measurements.</p>
	<p>5.MD.3: Recognize volume as an attribute of solid figures, and understand concepts of volume measurement.</p> <p>5.MD.4: Measure volume by counting unit cubes, using cubic cm, cubic in, cubic ft., and improvised units.</p> <p>5.MD.5: Relate volume to the operations of multiplication and addition, and solve real-world and mathematical problems involving volume.</p>	<p>5.E.1.3: Explain how global patterns such as the jet stream and water currents influence local weather in measurable terms such as temperature, wind direction and speed, and precipitation</p>							
	<p>RL.5.2/RI.5.2: Central ideas/themes/summary</p> <p>RL.5.3/RI.5.3: Analyze text structure (individuals/events/ideas)</p> <p>RL.5.5/RI.5.5: Analyze the structure of text</p> <p>RL.5.6/RI.5.6: Point of view/purpose</p> <p>W.5.2: Write to inform/explain</p> <p>W.5.5: Develop and strengthen writing (plan/revise/edit)</p> <p>W.5.8: Gather relevant information/synthesize</p> <p>W.5.9: Draw evidence (write to sources)</p> <p>SL.5.3: Speaker’s point of view</p> <p>SL.5.5: Understanding of presentations</p> <p>L.5.4a: Use context clues to determine/clarify word meanings</p>								

FOURTH NINE WEEKS	Month	English Language Arts		Math		Science		Social Studies				
	April	Unit 5: Explore – Is it Fantasy or Fact?	<p>L.5.5a: Word relationships (figurative language-similes and metaphors)</p> <p>RF.5.3a: Phonics and word recognition (letter-sound correspondences, syllabication patterns, morphology)</p> <p>RF.5.4a-c: Fluency (read with purpose, understanding, accuracy, appropriate rate, and expression)</p>	Unit 5: Geometric Concepts	<p>5.G.3: Understand that attributes belonging to a category of two-dimensional figures also belong to all subcategories of that category. For example, all rectangles have four right angles, and squares are rectangles, so all squares have four right angles.</p> <p>5.G.4: Classify two-dimensional figures in a hierarchy based on properties.</p>	Evolution and Genetics	<p>5.L.3.1: Explain why organisms differ from or are similar to their parents based on the characteristics of the organism.</p>	Unit 4: Location, Location, Location	<p>5.H.2: Understand the role of prominent figures in shaping the United States.</p> <ul style="list-style-type: none"> 5.H.2.2: Explain how key historical figures have exemplified values and principles of American democracy. 5.H.2.3: Compare the changing roles of women and minorities on American society from the Pre-Colonial era through Reconstruction. 			
					<p>5.L.3.2: Give examples of likenesses that are inherited and some that are not.</p>		<p>5.E.1: Understand how a market economy impacts life in the United States.</p> <ul style="list-style-type: none"> 5.E.1.1: Summarize the role of international trade between the United States and other countries through Reconstruction. 5.E.1.2: Explain the impact of production, specialization, technology, and division of labor on the economic growth of the United States. 					
	May	Unit 6: Coming of Age	<p>RL.5.9/RI.5.9: Analyze topic/theme of texts/authors</p> <p>W.5.3: Write narratives</p> <p>W.5.4: Writing production - clear/coherent writing</p> <p>W.5.6: Produce and publish writing</p> <p>W.5.7: Research projects</p> <p>L.5.5a-c: Word relationships/figurative language (similes, metaphors, idioms, adages, proverbs, synonyms, antonyms, homographs)</p> <p>RF.5.3a: Phonics and word recognition (letter-sound correspondences, syllabication patterns, morphology)</p> <p>RF.5.4a-c: Fluency (read with purpose, understanding, accuracy, appropriate rate, and expression)</p>		<p>5.G.1: Use a pair of perpendicular number lines, called axes, to define a coordinate system, with the intersection of the lines (the origin) arranged to coincide with the 0 on each line and a given point in the plane located by using an ordered pair of numbers, called its coordinates.</p> <p>5.G.2: Represent real-world and mathematical problems by graphing points in the first quadrant of the coordinate plane, and interpret coordinate values of points in the context of the situation.</p> <p>5.OA.3: Generate two numerical patterns using two given rules. Identify apparent relationships between corresponding terms. Form ordered pairs consisting of corresponding terms from the two patterns, and graph the ordered pairs on a coordinate plane.</p>	Review				<p>5.C&G.2: Analyze life in a democratic republic through the rights and responsibilities of citizens.</p> <ul style="list-style-type: none"> 5.C&G.2.1: Understand the values and principles of a democratic republic. 5.C&G.2.2: Analyze the rights and responsibilities of United States citizens in relation to the concept of the “common good” according to the United States Constitution (Bill of Rights). 		
	June									Testing		