

	Math	Algebra	Social Studies	Science	Language Arts
Trimester 1	<ul style="list-style-type: none"> -Review previous topics -Solving equations -Functions 	<p>Operations with Real Numbers</p> <ul style="list-style-type: none"> -fractions, decimals, percents -positive and negative numbers <p>Equations and Inequalities</p> <p>Lines and Functions</p>	<p>Foundations of the U.S.A.</p> <p>Colonial America</p> <p>Transformative Forces- Moving towards Independence</p>	<p>Structure, Function, and Information Processing</p> <p><i>“How do the structures of organisms contribute to life’s functions?”</i></p> <ul style="list-style-type: none"> -Living organisms are made of cells -Specials structures are responsible for particular functions in organisms -The body is a system of multiple interacting subsystems that form a hierarchy from cells to the body 	<p>Building Blocks</p> <ul style="list-style-type: none"> --grammar --elements of story <p>Alphabiography</p> <p>Narrative writing: Alphabiography entry</p>
Trimester 2	<ul style="list-style-type: none"> -Slope and linear functions -Systems of equations -Exponents and Scientific Notation 	<p>Systems of Linear Equations</p> <p>Exponents and Scientific Notation</p> <p>Radical Expressions and Pythagorean Theorem</p>	<p>Revolution & Declaration</p> <p>U.S. Government</p> <p>Continental Congress</p> <p>Constitution</p> <p>Bill of Rights</p> <p>Westward Expansion</p> <p>Enslavement in America</p> <p>Transformative Forces- Moving towards Civil War</p>	<p>Growth, Development, and Reproduction of Organisms</p> <p><i>“How do organisms grow, develop, and reproduce?”</i></p> <ul style="list-style-type: none"> -Understand how the environment and genetic factors determine the growth of an individual organism -Genetic implications for sexual and asexual reproduction -Understand structures and behaviors that increase the likelihood of successful reproduction by organisms -Understand the role of technology related to selective breeding <p>Natural Selections and Adaptations</p> <p><i>“How does genetic variation among organisms in a species affect survival and reproduction?”</i></p> <ul style="list-style-type: none"> -Analyze data from the fossil record to describe evidence of the history of life on Earth 	<p>Novel:</p> <p><i>Good Night Mr. Tom</i>- Michelle Magorian</p> <p><i>Uprising</i>- Margaret Peterson Haddix</p> <p>Informational writing: Research Paper Unit (World War II OR Industrial Revolution)</p> <p>Novels:</p> <ul style="list-style-type: none"> --<i>To Kill a Mockingbird</i>- Harper Lee, --<i>Roll of Thunder, Hear My Cry</i> -Mildred Taylor <p>Excerpts from: <i>The House on Mango Street</i>-Sandra Cisneros</p> <p>"Blink Your Eyes" Sekou Sundiata</p> <p>Short Story: <i>After you, My Dear Alphonse</i>--Shirley Jackson</p> <p>Argument: <i>Arguing for Justice</i></p>

				<ul style="list-style-type: none"> -Construct explanations for similarities in organisms -Understand the role of variation in natural selection and how it leads to speciation 	
Trimester 3	<ul style="list-style-type: none"> -Radicals -Pythagorean Theorem -Transformations -Angles and Triangles -Statistics -Volume 	<p>Transformations</p> <p>Quadratic Functions</p>	<p>Civil War/Reconstruction</p> <p>Industrialization & Immigration</p>	<p>Matter and Energy in Organisms and Ecosystems</p> <p><i>“How do organisms obtain and use matter and energy? How do matter and energy move through an ecosystem?”</i></p> <ul style="list-style-type: none"> -The role of photosynthesis in cycling matter in ecosystems -How organisms obtain matter and energy from the ecosystem to survive and grow <p>Interdependent Relationships in Ecosystems</p> <p><i>“How do organisms interact with other organisms in the physical environment to obtain matter and energy?”</i></p> <ul style="list-style-type: none"> -Understand interactions in ecosystems in order to maintain biodiversity -Understand that organisms and populations of organisms are dependent on their environmental interactions both with other organisms and with nonliving factors -Understand how the limits of resources influence the growth of organisms and populations 	Shakespeare: Twelfth Night