

Grades 7-8 Sequenced Pattern of Instruction and Core Literature List with Standards

January

LANGUAGE ARTS	LITERATURE	MATH	HISTORY-SOCIAL SCIENCE	SCIENCE
Objectives & Standards	Literature Selections	Objectives & Standards	Objectives & Standards	Objectives & Standards
<p style="text-align: center;">Reading: Literary Response and Analysis</p> <p style="text-align: center;">Grade 8</p> <ul style="list-style-type: none"> • Features of lit. (8-3.1) • Compare/contrast (8-3.3) • Analyze relevance of setting (8-3.4) • Literary devices (8-3.5) • Biographical approach (8-3.7) <p style="text-align: center;">Grade 7</p> <ul style="list-style-type: none"> • Forms of prose (7-3.1) • Identify events that advance the plot (7-3.2) • Character analysis (7-3.3) • Identify reoccurring themes (7-3.4) • Points of view in literature (7-3.5) • Analyze literary works (7-3.6) <p style="text-align: center;">Writing</p> <p style="text-align: center;">Grade 8</p> <ul style="list-style-type: none"> • Strategies: 1.1—1.3 • Applications: Response to literature 8-2.2 <p style="text-align: center;">Grade 7</p> <ul style="list-style-type: none"> • Strategies: (7-1.3) • Application: Response to literature (7-2.2) 	<p style="text-align: center;">Core</p> <p style="text-align: center;">Grade 8</p> <ul style="list-style-type: none"> • <i>Holes</i>, Louis Sachar • <i>Journey to the Center of the Earth</i>, Jules Verne <p style="text-align: center;">Grade 7</p> <ul style="list-style-type: none"> • <i>Catherine Called Birdy</i>, Karen Cushman • <i>Walk Two Moons</i>, Sharon Creech <p style="text-align: center;">Alternative</p> <p style="text-align: center;">Grade 8</p> <ul style="list-style-type: none"> • <i>Sign Down the Moon</i>, Scott O’Dell • <i>Thunder Rolling in the Mountains</i>, Scott O’Dell • <i>A Wrinkle in Time</i>, Madeleine L’Engle • <i>The Pigman</i>, Paul Zindel <p style="text-align: center;">Grade 7</p> <ul style="list-style-type: none"> • <i>Mary, Bloody Mary</i>, Carolyn Meyer • <i>The Midwife’s Apprentice</i>, Karen Cushman • <i>Far North</i>, Will Hobbs 	<p style="text-align: center;">Grades 7 and 8</p> <p style="text-align: center;">Number Sense</p> <ul style="list-style-type: none"> • Scientific notation (7-1.1) • Rational numbers (7-1.2) • Multiply, divide, simplify rational numbers and exponent rules (7-2.1) • Factoring denominators: fractions (7-2.2) • Percentage of increase/decrease (7-1.6) • Discounts, mark-ups, interest rates (7-1.7) • Negative whole exponents (7-2.1) <p style="text-align: center;">Algebra and Functions</p> <ul style="list-style-type: none"> • Simplify expressions (7-1.3) • 2-step linear equations (7-4.1) • Multi-step problems with rate, speed, distance, time (7-4.2) • Algebraic terminology (7-1.4) • Graphing (7-3.3, 3.4) <p style="text-align: center;">Measurement and Geometry</p> <ul style="list-style-type: none"> • Compare measurements (7-1.1) • Pythagorean Theorem (7-3.3) • Formulas (7-2.1) <p style="text-align: center;">Statistics, Data Analysis and Probability</p> <ul style="list-style-type: none"> • Data Sets (7-1.1) <p style="text-align: center;">Grade 8 Challenge</p> <ul style="list-style-type: none"> • Quadratic equations (8-14, 19) 	<p style="text-align: center;">Grade 7: Medieval Europe (7.6)</p> <ul style="list-style-type: none"> • Geography • Feudalism • Influences of democratic thought • Catholic Church • Natural law • Religious conflicts • Bubonic Plague • Decline of Muslim rule <p style="text-align: center;">Grade 8: Growth and Expansion of U.S. (8.4, 8.5)</p> <ul style="list-style-type: none"> • Famous speeches • Rise of capitalism and economic problems • American culture in early America • War of 1812 • Changing borders • Major treaties with Indian nations 	<p style="text-align: center;">Grade 7: Cell Biology (7.1)</p> <ul style="list-style-type: none"> • Characteristics of plant and animal cells • The function of the nucleus • Process of photosynthesis • Cell division • Cell differentiation as organisms develop <p style="text-align: center;">Grade 8: Reactions (8.5)</p> <ul style="list-style-type: none"> • Reactant atoms • Conservation of matter • Heat absorption • Physical processes involving freezing and boiling • Acid, bases, neutrals

Grades 7-8 Sequenced Pattern of Instruction and Core Literature List with Standards

February

LANGUAGE ARTS	LITERATURE	MATH	HISTORY-SOCIAL SCIENCE	SCIENCE
Objectives & Standards	Literature Selections	Objectives & Standards	Objectives & Standards	Objectives & Standards
<p style="text-align: center;">Reading: Literary Response and Analysis</p> <p style="text-align: center;">Grade 8</p> <ul style="list-style-type: none"> • Features of lit. (8-3.1) • Compare/contrast (8-3.3) • Analyze relevance of setting (8-3.4) • Literary devices (8-3.5) • Biographical approach (8-3.7) <p style="text-align: center;">Grade 7</p> <ul style="list-style-type: none"> • Forms of prose (7-3.1) • Identify events that advance the plot (7-3.2) • Character analysis (7-3.3) • Identify reoccurring themes (7-3.4) • Points of view in literature (7-3.5) • Analyze literary works (7-3.6) <p style="text-align: center;">Writing</p> <p style="text-align: center;">Grade 8</p> <ul style="list-style-type: none"> • Strategies: (8-1.1—1.3) • Applications: Response to literature (8-2.2) <p style="text-align: center;">Grade 7</p> <ul style="list-style-type: none"> • Strategies: (7-1.3) • Application: Response to literature (7-2.2) 	<p style="text-align: center;">Core</p> <p style="text-align: center;">Grade 8</p> <ul style="list-style-type: none"> • <i>Holes</i>, Louis Sachar • <i>Journey to the Center of the Earth</i>, Jules Verne <p style="text-align: center;">Grade 7</p> <ul style="list-style-type: none"> • <i>Catherine Called Birdy</i>, Karen Cushman • <i>Walk Two Moons</i>, Sharon Creech <p style="text-align: center;">Alternative</p> <p style="text-align: center;">Grade 8</p> <ul style="list-style-type: none"> • <i>Sign Down the Moon</i>, Scott O’Dell • <i>Thunder Rolling in the Mountains</i>, Scott O’Dell • <i>A Wrinkle in Time</i>, Madeleine L’Engle • <i>The Pigman</i>, Paul Zindel <p style="text-align: center;">Grade 7</p> <ul style="list-style-type: none"> • <i>Mary, Bloody Mary</i>, Carolyn Meyer • <i>The Midwife’s Apprentice</i>, Karen Cushman • <i>Far North</i>, Will Hobbs 	<p style="text-align: center;">Grades 7 and 8</p> <p style="text-align: center;">Number Sense</p> <ul style="list-style-type: none"> • Discounts, mark-ups, interest rates (7-1.7) • Conversion of fractions (7-1.3) • Percentages of increase/decrease (7-1.6) • Powers/roots (8-2.4) <p style="text-align: center;">Algebra and Functions</p> <ul style="list-style-type: none"> • Simplify expressions (7-1.3) • 2-step linear equations (7-4.1) • Multi-step problems with rate, speed, distance, time (7-4.2) • Algebraic terminology (7-1.4) • Graphing (7-3.3, 3.4) • Multi-step problems (7-4.2) <p style="text-align: center;">Measurement and Geometry</p> <ul style="list-style-type: none"> • Compare measurements (7-1.1) • Draw to scale (7-1.2) • Graph coordinates (7-3.2) • Measurements expressed as rates and products (7-1.3) • Area of irregular figures (7-2.2) • 2 and 3-dimensional objects and models (7-3.5, 3.6) <p style="text-align: center;">Statistics, Data Analysis and Probability</p> <ul style="list-style-type: none"> • Data Sets (7-1.1) • Computation of quartiles (7-1.3) • Using Statistical data (6-2.5, 3.1, 3.5) <p style="text-align: center;">Grade 8 Challenge</p> <ul style="list-style-type: none"> • Algebra (8-10, 8-15) 	<p style="text-align: center;">Grade 7: Medieval Africa (7.4)</p> <ul style="list-style-type: none"> • Geography • Growth of Ghana and Mali Empires • Trade • Iron Technology • Transmission of culture • Government <p style="text-align: center;">Grade 8: Industrial Revolution (8.6)</p> <ul style="list-style-type: none"> • Influence of industrialization and technological developments • Geographic and economic factors related to transportation infrastructures • Immigration from Northern Europe • Role and culture of black Americans during Industrial Revolution • American public education • Women’s suffrage • Cultural awareness during this period 	<p style="text-align: center;">Grade 7: Genetics (7.2)</p> <ul style="list-style-type: none"> • Life cycles and reproduction of sexual and asexual organisms • Sexual reproduction and genes • Inherited traits • Dominate, identical and recessive genes • DNA: the genetic material of living organisms is located in the chromosomes of each cell <p style="text-align: center;">Grade 8: Motion (8.1)</p> <ul style="list-style-type: none"> • Velocity • Position definition • Average speed • Solve problems involving distance, time and average speed • How velocity is determined and how it changes • Interpret graphs related to time, speed, and motion

Grades 7-8 Sequenced Pattern of Instruction and Core Literature List with Standards

March

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Objectives & Standards	Literature Selections	Objectives & Standards	Objectives & Standards	Objectives & Standards
<p>Writing Applications</p> <p style="text-align: center;">Grade 8</p> <ul style="list-style-type: none"> • Biographies, autobiographies, short stories, narratives (8-2.1) • Business letters, job applications (8-2.5) <p style="text-align: center;">Grade 7</p> <ul style="list-style-type: none"> • Fictional, autobiographical narratives (7-2.1) <p>Written/oral Language Conventions</p> <p style="text-align: center;">Grade 8</p> <ul style="list-style-type: none"> • Sentence structure (8-1.1-.3) • Edit grammar (8-1.4) • Punctuation and Capitalization (8-1.5) <p style="text-align: center;">Grade 7</p> <ul style="list-style-type: none"> • Hyphen, dash, brackets, semi-colon (1.4) <p>Grades 7 and 8 Writing Strategies</p> <ul style="list-style-type: none"> • Edit and revise writing (7-1.7, 8-1.6) • Word processing skills (7-1.6) 	<p style="text-align: center;">Core</p> <p style="text-align: center;">Grade 8</p> <ul style="list-style-type: none"> • <i>The Cay</i>; Theodore Taylor • <i>The Diary of Anne Frank</i>; Anne Frank <p style="text-align: center;">Grade 7</p> <ul style="list-style-type: none"> • <i>The Miracle Worker</i>; William Gibson • <i>The Diary of Anne Frank</i>; Anne Frank <p style="text-align: center;">Alternative</p> <p style="text-align: center;">Grade 8</p> <ul style="list-style-type: none"> • <i>Bully for You, Teddy Roosevelt</i>; Jean Fitz • <i>Letters from Rifka</i>; K. Hesse • <i>Farewell to Manzanar</i>; Jeanne Wakatsuki Houston • <i>Song of the Buffalo</i>; Sherry Garland <p style="text-align: center;">Grade 7</p> <ul style="list-style-type: none"> • <i>Salsa Stories</i>; Lulu Delare • <i>The Lost Garden</i>; Laurence Yep • <i>Lou Gehrig</i>: the Luckiest Man; David Adler • <i>Harriett Tubman</i>; Petry 	<p style="text-align: center;">Grades 7 and 8</p> <p style="text-align: center;">Number Sense</p> <ul style="list-style-type: none"> • Discounts, mark-ups, interest rates (7-1.7) • Conversion of fractions (7-1.3) • Percentages of increase/decrease (7-1.6) • Powers/roots (8-2.4) <p style="text-align: center;">Algebra and Functions</p> <ul style="list-style-type: none"> • Simplify expressions (7-1.3) • 2-step linear equations (7-4.1) • Multi-step problems with rate, speed, distance, time (7-4.2) • Algebraic terminology (7-1.4) • Graphing (7-3.3, 3.4) • Multi-step problems (7-4.2) <p style="text-align: center;">Measurement and Geometry</p> <ul style="list-style-type: none"> • Compare measurements (7-1.1) • Draw to scale (7-1.2) • Graph coordinates (7-3.2) • Measurements expressed as rates and products (7-1.3) • Area of irregular figures (7-2.2) • 2 and 3-dimensional objects and models (7-3.5, 3.6) <p style="text-align: center;">Statistics, Data Analysis and Probability</p> <ul style="list-style-type: none"> • Data Sets (7-1.1) • Computation of quartiles (7-1.3) • Using Statistical data (6-2.5, 3.1, 3.5) <p style="text-align: center;">Grade 8 Challenge</p> <ul style="list-style-type: none"> • Algebra (8-10, 8-15) 	<p style="text-align: center;">Grade 7: Meso-American And Andean Civilizations (7.7)</p> <ul style="list-style-type: none"> • Geography and climate of Mexico, Central America, S. America and the effect on the development of each • The Mayan's • The Aztec's • The Inca's • Cultural environment of each civilization • The Mesoamerican achievements <p style="text-align: center;">Grade 8: Differences of American People (8.8)</p> <ul style="list-style-type: none"> • Development of the West, South • Paths of the American people from 1800 to mid 1800's. • Role of great rivers and struggles over water rights • Culture and economics of Mexican settlements 	<p style="text-align: center;">Grade 7: Genetics (7.2)</p> <ul style="list-style-type: none"> • Life cycles and reproduction of sexual and asexual organisms • Sexual reproduction and genes • Inherited traits • Dominate, identical and recessive genes • DNA: the genetic material of living organisms is located in the chromosomes of each cell <p style="text-align: center;">Grade 8: Forces (8.2)</p> <ul style="list-style-type: none"> • Concepts of direction and magnitude • Cumulative affect of force • Identifying forces that are acting on a single object • Affect of unbalanced forces on an object • How the mass of an object affects force and motion • The role of gravity informing and maintaining the shapes of planets, stars and the solar system

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April

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Objectives & Standards	Literature Selections	Objectives & Standards	Objectives & Standards	Objectives & Standards
<p style="text-align: center;">Writing Applications</p> <p style="text-align: center;">Grade 8</p> <ul style="list-style-type: none"> • Biographies, autobiographies, short stories, narratives (8-2.1) • Business letters, job applications (8-2.5) <p style="text-align: center;">Grade 7</p> <ul style="list-style-type: none"> • Fictional, autobiographical narratives (7-2.1) <p style="text-align: center;">Written/oral Language Conventions</p> <p style="text-align: center;">Grade 8</p> <ul style="list-style-type: none"> • Sentence structure (8-1.1-.3) • Edit grammar (8-1.4) • Punctuation and Capitalization (8-1.5) <p style="text-align: center;">Grade 7</p> <ul style="list-style-type: none"> • Hyphen, dash, brackets, semi-colon (1.4) <p style="text-align: center;">Grades 7 and 8 Writing Strategies</p> <ul style="list-style-type: none"> • Edit and revise writing (7-1.7, 8-1.6) • Word processing skills (7-1.6) 	<p style="text-align: center;">Core</p> <p style="text-align: center;">Grade 8</p> <ul style="list-style-type: none"> • <i>The Cay</i>; Theodore Taylor • <i>The Diary of Anne Frank</i>; Anne Frank <p style="text-align: center;">Grade 7</p> <ul style="list-style-type: none"> • <i>The Miracle Worker</i>; William Gibson • <i>The Diary of Anne Frank</i>; Anne Frank <p style="text-align: center;">Alternative</p> <p style="text-align: center;">Grade 8</p> <ul style="list-style-type: none"> • <i>Bully for You, Teddy Roosevelt</i>; Jean Fitz • <i>Letters from Rifka</i>; K. Hesse • <i>Farewell to Manzanar</i>; Jeanne Wakatsuki Houston • <i>Song of the Buffalo</i>; Sherry Garland <p style="text-align: center;">Grade 7</p> <ul style="list-style-type: none"> • Salsa Stories; Lulu Delare • <i>The Lost Garden</i>; Laurence Yep • <i>Lou Gehrig: the Luckiest Man</i>; David Adler • <i>Harriett Tubman</i>; Petry 	<p style="text-align: center;">Grades 7 and 8</p> <p style="text-align: center;">Number Sense</p> <ul style="list-style-type: none"> • Discounts, markups, commissions, profit, interest (7-1.7) <p style="text-align: center;">Algebra and Functions</p> <ul style="list-style-type: none"> • Interpret/evaluate expressions (7-1.1, 7-2.0) • Simplify expressions (7-1.1,7- 2.0) • 2-step linear equations (7-4.1) • Algebraic terminology (7-1.4) • Graphing (7-3..3, 3.4) <p style="text-align: center;">Measurement and Geometry</p> <ul style="list-style-type: none"> • Formulas: perimeter, area, surface area, volume (8-2.1) • Construct geometric figures using straightedge, compass (7-3.1) • Coordinate graphs (7-3.2) • Congruence (7-3.4) • Elements of 3-D objects (7-3.6) <p style="text-align: center;">Grade 8 Challenge</p> <ul style="list-style-type: none"> • Quadratic equations (8-14, 19, 8-23) 	<p style="text-align: center;">Grade 7: The Renaissance and Reformation (7.8, .9)</p> <ul style="list-style-type: none"> • The origins, accomplishments and geographic diffusion of period • Historical developments of period • The culture and people of the Italian Renaissance • Reformation: the changing church <p style="text-align: center;">Grade 8: The Civil War (8.10)</p> <ul style="list-style-type: none"> • Causes, key events and consequences of war • Comparison of writings/speeches as to opinions of state/federal authority • Trace North/South Boundaries and geographical differences • Major battles, leaders, developments, costs • Abraham Lincoln's presidency 	<p style="text-align: center;">Grade 7: Evolution (7.3)</p> <ul style="list-style-type: none"> • Genetic variation and environmental factors as causes of evolution • Charles Darwin's Theory • The bases for the Theory • Construction of simple diagrams to classify living groups by characteristics • Process of extinction and adaptation <p style="text-align: center;">Grade 8: Density and Buoyancy (8.0)</p> <ul style="list-style-type: none"> • Density as mass per unit volume • Calculation of density • The affects of buoyant force on an object and prediction of affects

Grades 7-8 Sequenced Pattern of Instruction and Core Literature List with standards

May

LANGUAGE ARTS	LITERATURE	MATH	HISTORY-SOCIAL SCIENCE	SCIENCE
Objectives & Standards	Literature Selection	Objectives & Standards	Objectives & Standards	Objectives & Standards
<p style="text-align: center;">Reading Comprehension</p> <p style="text-align: center;">Grade 8</p> <ul style="list-style-type: none"> • Consumer materials (8-2.1) • Analyze/compare texts (8-2.2, 2.3, 2.4) • Follow technical directions (8-2.5) • Using documents to solve problems (8-2.6) • Expository critique (8-2.7) <p style="text-align: center;">Grade 7</p> <ul style="list-style-type: none"> • Categories of informational materials (7-2.1) • Locating information (7-2.2) • Cause/effect patterns (7-2.3) • Identify and trace author's view (7-2.4) • Assess the author's evidence in writings (7-2.6) <p style="text-align: center;">Literary Response/analysis</p> <ul style="list-style-type: none"> • Purpose of prose (7,8-3.1) • Elements of plot (7,8-3.2) • Characterization (7,8-3.3) • Reoccurring themes (7,8-3.4, 3.5) • Points of view (8-3.5) • Literary devices (8-3.6) <p style="text-align: center;">Writing: Grades 7/8</p> <ul style="list-style-type: none"> • Response to literature (2.2) 	<p style="text-align: center;">Core</p> <p style="text-align: center;">Grade 8</p> <ul style="list-style-type: none"> • <i>The Giver</i>; Lois Lowrey • <i>Lone World</i>, Kristine L. Franklin • <i>The House of Dies</i>, Virginia Hamilton <p style="text-align: center;">Grade 7</p> <ul style="list-style-type: none"> • <i>The Pearl</i>, John Steinbeck • <i>Hatchet</i>, Gary Paulsen <p style="text-align: center;">Alternative</p> <p style="text-align: center;">Grade 8</p> <ul style="list-style-type: none"> • <i>Summer of My German Soldier</i>; Betty Greene • <i>The Chosen</i>; Chaim Potok • <i>The Westing Game</i> (Ellen Raskin • <i>Bridge of Terabithia</i>; Paterson • <i>Weasel</i>, DeFelice <p style="text-align: center;">Grade 7</p> <ul style="list-style-type: none"> • <i>Bud, Not Buddy</i>; Curtis • <i>Call of the Wild</i>; London • <i>Scorpions</i>, Myers • <i>Jasmin's Notebook</i>, Grimes • <i>Homeless Bird</i>; Whelan 	<p style="text-align: center;">Grades 7 and 8</p> <p style="text-align: center;">Cross curricular projects: Teacher's strengths and students' weaknesses</p> <ul style="list-style-type: none"> • Consumer Skills • Percents, graphing • Using spreadsheets • Technology • Cross-curricular art • Symmetry, Tessellations • Tangrams • Number patterns of series 	<p style="text-align: center;">Grade 7: Scientific Revolution (7.10)</p> <ul style="list-style-type: none"> • Roots of scientific revolution • Scientific theories and theorists • Scientific rationalism on growth of democratic ideas <p style="text-align: center;">Grade 8: Reconstruction (8.11)</p> <ul style="list-style-type: none"> • Post-war economics • The effects on the political and social structure of different regions • Developments in Black History • Rise and effect of the KKK • The 13th, 14th and 15th Amendments to the Constitution and their relationship to Reconstruction 	<p style="text-align: center;">Grade 7: Earth and Life History (7.4)</p> <ul style="list-style-type: none"> • Geologic processes • Earth's major catastrophic events • Cycle of rock formation • Fossils as evidence of change • Continental and oceanic plates • Developments and extinctions of plant and animal life of geologic time scale <p style="text-align: center;">Grade 8: Earth in the Solar System (7.4)</p> <ul style="list-style-type: none"> • Galaxies as clusters of stars • The sun • Astronomical units and light years as measures of distance • Stars as the source of light • The appearance, general composition, position, size and motion of objects in the solar system

Grades 7-8 Sequenced Pattern of Instruction and Core Literature List with Standards

June

LANGUAGE ARTS	LITERATURE	MATH	HISTORY-SOCIAL SCIENCE	SCIENCE
Objectives & Standards	Literature Selections	Objectives & Standards	Objectives & Standards	Objectives & Standards
<p>Reading Comprehension</p> <p style="text-align: center;">Grade 8</p> <ul style="list-style-type: none"> • Consumer materials (8-2.1) • Analyze/compare texts (8-2.2, 2.3, 2.4) • Follow technical directions (8-2.5) • Using documents to solve problems (8-2.6) • Expository critique (8-2.7) <p style="text-align: center;">Grade 7</p> <ul style="list-style-type: none"> • Categories of informational materials (7-2.1) • Locating information (7-2.2) • Cause/effect patterns (7-2.3) • Identify and trace author's view (7-2.4) • Assess the author's evidence in writings (7-2.6) <p style="text-align: center;">Literary Response/analysis</p> <ul style="list-style-type: none"> • Purpose of prose (7,8-3.1) • Elements of plot (7,8-3.2) • Characterization (7,8-3.3) • Reoccurring themes (7,8-3.4, 3.5) • Points of view (8-3.5) • Literary devices (8-3.6) <p style="text-align: center;">Writing: Grades 7/8</p> <ul style="list-style-type: none"> • Response to literature (2.2) 	<p style="text-align: center;">Core</p> <p style="text-align: center;">Grade 8</p> <ul style="list-style-type: none"> • <i>The Giver</i>; Lois Lowrey • <i>Lone World</i>, Kristine L Franklin • <i>The House of Dies</i>, Virginia Hamilton <p style="text-align: center;">Grade 7</p> <ul style="list-style-type: none"> • <i>The Pearl</i>, John Steinbeck • <i>Hatchet</i>, Gary Paulsen <p style="text-align: center;">Alternative</p> <p style="text-align: center;">Grade 8</p> <ul style="list-style-type: none"> • <i>Summer of My German Soldier</i>; Betty Greene • <i>The Chosen</i>; Chaim Potok • <i>The Westing Game</i> (Ellen Raskin • <i>Bridge of Terabithia</i>; Paterson • <i>Weasel</i>, DeFelice <p style="text-align: center;">Grade 7</p> <ul style="list-style-type: none"> • <i>Bud, Not Buddy</i>; Curtis • <i>Call of the Wild</i>; London • <i>Scorpions</i>, Myers • <i>Jasmin's Notebook</i>, Grimes • <i>Homeless Bird</i>; Whelan 	<p style="text-align: center;">Grades 7 and 8</p> <p style="text-align: center;">Cross curricular projects: Teacher's strengths and students' weaknesses</p> <ul style="list-style-type: none"> • Consumer Skills • Percents, graphing • Using spreadsheets • Technology • Cross-curricular art • Symmetry, Tessellations • Tangrams • Number patterns of series 	<p style="text-align: center;">Grade 7: Age of Exploration, the Enlightenment, Age of Reason (7.11)</p> <ul style="list-style-type: none"> • Age of Exploration • New World Explorers • Economics during the Age of Exploration • Ideas of Enlightenment and Enlightenment thinkers • The Rise of democratic ideals <p style="text-align: center;">Grade 8: Rise of Industrial America, WWI, and WWII (8.12)</p> <ul style="list-style-type: none"> • The effect of the Industrial Revolution on society • Growth of cities • Native American way of life and conflicts • Business expansion • Urbanization and immigration • Child labor • Theodore Roosevelt and Woodrow Wilson • US Involvement in WWI and WWII • Truman Doctrine • Domino Theory 	<p style="text-align: center;">Grade 7: Earth and Life History (7.4)</p> <ul style="list-style-type: none"> • Geologic processes • Earth's major catastrophic events • Cycle of rock formation • Fossils as evidence of change • Continental and oceanic plates • Developments and extinctions of plant and animal life of geologic time scale <p style="text-align: center;">Grade 8: Earth in the Solar System (8.4)</p> <ul style="list-style-type: none"> • Galaxies as clusters of stars • The sun • Astronomical units and light years as measures of distance • Stars as the source of light • The appearance, general composition, position, size and motion of objects in the solar system

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July

LANGUAGE ARTS	LITERATURE	MATH	HISTORY-SOCIAL SCIENCE	SCIENCE
Objectives & Standards	Literature Selections	Objectives & Standards	Objectives & Standards	Objectives & Standards
<p style="text-align: center;">Written and Oral Language Conventions</p> <p style="text-align: center;">Grade 8</p> <ul style="list-style-type: none"> • Editing (8-1.4) • Punctuation/capitalization (8-1.5) • Spelling (8-1.6) <p style="text-align: center;">Grade 7</p> <ul style="list-style-type: none"> • Modifier placement (7-1.1) • Capitalization (7-1.5) <p>Reading: Word Analysis, Fluency</p> <p style="text-align: center;">Grades 7 and 8</p> <ul style="list-style-type: none"> • Idioms, analogies, metaphors (7, 8-1.1) • Roots, work origins (7,8-1.2) • Word meanings (7,8-1.3) <p>Reading Comprehension: Informational Material</p> <p style="text-align: center;">Grades 7 and 8</p> <ul style="list-style-type: none"> • Categories of materials (2.1) • Locating information (7-2.2) • Analyze text (8-2.2) <p>Reading: Poetry/Prose Grades 7 and 8: (3.1)</p> <p>Writing: Strategies Compositions (7, 8-1.1-1.3)</p>	<p>Grades 7 and 8 Core</p> <ul style="list-style-type: none"> • <i>101 Great American Poems</i> by American Poetry Literacy • <i>The Complete sonnets of William Shakespeare</i>, Stephan Rudnucki <p style="text-align: center;">Alternative</p> <ul style="list-style-type: none"> • <i>The Borning Room</i>, Paul Fleischman (8th) • <i>I Am Regina, Sally Keehn</i> (8th history X) • <i>The Primrose Way</i>, Jackie Killer (8th history X) • <i>A Joyful Noise, Poems for Two Voices</i>, Paul Fleischman (8th oral lang) • <i>A Midsummer's Night Dream for Kids</i>, Lois Burdett (8th) • <i>A Jar of Tiny Stars</i>, Bernice Cullinham • <i>A Bone from Dry Sea</i>, Peter Dickinson (7th science X) • <i>Hailstones and Halibut Bones</i>, Mary O'Neil (7th) • <i>Second Sight, Stories for a New Millennium</i>, Madeleine L'Engle (7th) 	<p>Review and Reinforce</p>	<p style="text-align: center;">Geography Review</p> <p style="text-align: center;">Grade 7: World Geog.</p> <ul style="list-style-type: none"> • Time zones • Maps/map reading • Hemisphere • Climate/vegetation • Populations <p style="text-align: center;">Grade 8: U.S. Geog.</p> <ul style="list-style-type: none"> • Time Zones, latitude, longitude • Maps/map reading • Climate/vegetation • Populations 	<p>Teacher's Choice</p> <p style="text-align: center;">Grades 7 and 8</p> <p>Review aspects or areas of science strands learned in 7th/8th grades from Sept. though June as a focus of study this month. The strands of science should be determined by the teacher's strengths in science as well as the students' needed areas of growth in science.</p>

Grades 7-8 Sequenced Pattern of Instruction and Core Literature List with Standards

August

LANGUAGE ARTS	LITERATURE	MATH	HISTORY-SOCIAL SCIENCE	SCIENCE
Objectives & Standards	Literature Selections	Objectives & Standards	Objectives & Standards	Objectives & Standards
<p style="text-align: center;">Written and Oral Language Conventions</p> <p style="text-align: center;">Grade 8</p> <ul style="list-style-type: none"> • Editing (8-1.4) • Punctuation/capitalization (8-1.5) • Spelling (1.6) <p style="text-align: center;">Grade 7</p> <ul style="list-style-type: none"> • Modifier placement (7-1.1) • Capitalization (7-1.5) <p>Reading: Word Analysis, Fluency</p> <p style="text-align: center;">Grades 7 and 8</p> <ul style="list-style-type: none"> • Idioms, analogies, metaphors (7, 8-1.1) • Roots, work origins (7,8-1.2) • Word meanings (7,8-1.3) <p>Reading Comprehension: Informational Material</p> <p style="text-align: center;">Grades 7 and 8</p> <ul style="list-style-type: none"> • Categories of materials (2.1) • Locating information (7-2.2) • Analyze text (8-2.2) <p>Reading: Poetry/Prose Grades 7 and 8: (3.1)</p> <p style="text-align: center;">Writing: Strategies Compositions (7, 8-1.1-1.3)</p>	<p style="text-align: center;">Grades 7 and 8</p> <p style="text-align: center;">Core</p> <ul style="list-style-type: none"> • <i>101 Great American Poems</i> by American Poetry Literacy • <i>The Complete sonnets of William Shakespeare</i>, Stephan Rudnucki <p style="text-align: center;">Alternative</p> <ul style="list-style-type: none"> • <i>The Borning Room</i>, Paul Fleischman (8th) • <i>I Am Regina, Sally Keehn</i> (8th history X) • <i>The Primrose Way</i>, Jackie Killer (8th history X) • <i>A Joyful Noise, Poems for Two Voices</i>, Paul Fleischman (8th oral language) • <i>A Midsummer's Night Dream for Kids</i>, Lois Burdett (8th) • <i>A Jar of Tiny Stars</i>, Bernice Cullinham • <i>A Bone from Dry Sea</i>, Peter Dickinson (7th science X) • <i>Hailstones and Halibut Bones</i>, Mary O'Neil (7th) • <i>Second Sight, Stories for a New Millennium</i>, Madeleine L'Engle (7th) 	<p>Review and Reinforce</p>	<p style="text-align: center;">Grade 7: Archeology</p> <ul style="list-style-type: none"> • Uncovering the past • Methodology • Fossils • Artifacts • Oral histories/legends • Documentation <p style="text-align: center;">Grade 8: Colonial Heritage</p> <ul style="list-style-type: none"> • Columbus to colonies • Democratic institutions • English Parliament roots • Judeo-Christian influence • Economics of colonies 	<p>Teacher's Choice</p> <p style="text-align: center;">Grades 7 and 8</p> <p>Review aspects or areas of science strands learned in 7th/8th grades from Sept. though June as a focus of study this month. The strands of science should be determined by the teacher's strengths in science as well as the students' needed areas of growth in science.</p>

Grades 7-8 Sequenced Pattern of Instruction and Core Literature List with Standards

September

LANGUAGE ARTS	LITERATURE	MATH	HISTORY-SOCIAL SCIENCE	SCIENCE
Objectives & Standards	Literature Selections	Objectives & Standards	Objectives & Standards	Objectives & Standards
<p>Reading: Word Analysis, Fluency Grades 7/8</p> <ul style="list-style-type: none"> • Idioms, analogies, metaphors, similies (1.2) • Word meanings (1.3) <p>Reading: Literary Response Grades 7 and 8</p> <ul style="list-style-type: none"> • Forms of prose (3.1) • Plot development (3.2) • Character analysis (3.3) <p>Writing Strategies Grades 7 and 8</p> <ul style="list-style-type: none"> • Compositions (1.1, 1.2, 1.3) <p>Writing Applications Grade 8</p> <ul style="list-style-type: none"> • Response to Lit. (8-2.2) • Technical Writing (8-2.6) <p>Grade 7</p> <ul style="list-style-type: none"> • Response to Lit. (7-2.2) • Summaries (7-2.5). 	<p style="text-align: center;">Core</p> <p>Grade 8</p> <ul style="list-style-type: none"> • <i>My Bother Sam Is Dead</i>, James Collier • <i>Island of the Blue Dolphins</i>, Scott O'Dell <p>Grade 7</p> <ul style="list-style-type: none"> • <i>D'Aulaires' Book of Greek Myths</i>; Ingri E' Aulaira • <i>The Giver</i>; Lois Lowery <p style="text-align: center;">Alternative</p> <p>Grade 8</p> <ul style="list-style-type: none"> • <i>April Morning</i>; Howard Fast • <i>The Fighting Ground</i>; Avi • <i>Johny Tremain</i>; Esther Forbes <p>Grade 7</p> <ul style="list-style-type: none"> • <i>Shabanu: Daughter of the Wind</i>; Suzanne Staples • <i>The Outsiders</i>; S.E. Hinton 	<p style="text-align: center;">Grades 7 and 8</p> <p style="text-align: center;">Number Sense</p> <ul style="list-style-type: none"> • Rational numbers (7-1.0) • Rounding (7-1.0) <p style="text-align: center;">Algebra and Functions</p> <ul style="list-style-type: none"> • Interpret/evaluate expressions (7-1.1, 7-2.0) • Order of operations (7-1.2) • Terminology (7-1.4) • Simplify expressions (7-1.3) • Multi-step operations (7-4.0) • Positive/negative whole number powers (7-2.1) <p style="text-align: center;">Measurement/Geometry</p> <ul style="list-style-type: none"> • Units of Measurement (7-1.1) • Formulas: perimeter, area, volume (7-2.1) • Area of irregular objects (7-2.2) <p style="text-align: center;">Statistics, Data Analysis, Prob.</p> <ul style="list-style-type: none"> • Data sets (7-1.1) <p style="text-align: center;">8th Grade Challenge Standards</p> <ul style="list-style-type: none"> • Solve equations (8-3.0) • Graph linear equations (8-6.0) 	<p style="text-align: center;">Grade 7: Roman Empire (7.1)</p> <ul style="list-style-type: none"> • Augustus to fall of Rome • Contributions of the Roman Civilization • Internal weaknesses • Geographic borders • Constantinople <p style="text-align: center;">Grade 8: Development of American Constitutional Democracy (8.1)</p> <ul style="list-style-type: none"> • Great Awakening • Declaration of Independence • Effect of American Revolution on other nations • Leaders who developed new nation 	<p style="text-align: center;">Investigation and Experimentation</p> <p style="text-align: center;">Grade 7 (7.7)</p> <ul style="list-style-type: none"> • Use of tools and technology • Collect information from print and electronic sources • Scientific method • Graphs, diagrams, scale models • Scientific written report and verbal presentations <p style="text-align: center;">Grade 8</p> <ul style="list-style-type: none"> • Review scientific method • Plan/conduct scientific investigations • Evaluation of data • Variable/controlled parameters • Construct and interpret graphs from data • Apply mathematic relationships to determine missing quantity • Distinguish between linear and nonlinear relationships on a graph of data

Grades 7-8 Sequenced Pattern of Instruction and Core Literature List with Standards

October

LANGUAGE ARTS	LITERATURE	MATH	HISTORY-SOCIAL SCIENCE	SCIENCE
Objectives & Standards	Literature selections	Objectives & Standards	Objectives & Standards	Objectives & Standards
<p>Reading: Word Analysis, Fluency Grades 7/8</p> <ul style="list-style-type: none"> • Idioms, analogies, metaphors, similies (1.2) • Word meanings (1.3) <p>Reading: Literary Response Grades 7 and 8</p> <ul style="list-style-type: none"> • Forms of prose (3.1) • Plot development (3.2) • Character analysis (3.3) <p>Writing Strategies Grades 7 and 8</p> <ul style="list-style-type: none"> • Compositions (1.1, 1.2, 1.3) <p>Writing Applications Grade 8</p> <ul style="list-style-type: none"> • Response to Lit. (8-2.2) • Technical Writing (8-2.6) <p>Grade 7</p> <ul style="list-style-type: none"> • Response to Lit. (7-2.2) • Summaries (7-2.5). 	<p style="text-align: center;">Core</p> <p>Grade 8</p> <ul style="list-style-type: none"> • <i>My Bother Sam Is Dead</i>, James Collier • <i>Island of the Blue Dolphins</i>, Scott O’Dell <p>Grade 7</p> <ul style="list-style-type: none"> • <i>D’Aulaires’ Book of Greek Myths</i>; Ingri E’ Aulaire • <i>The Giver</i>; Lois Lowery <p style="text-align: center;">Alternative</p> <p>Grade 8</p> <ul style="list-style-type: none"> • <i>April Morning</i>; Howard Fast • <i>The Fighting Ground</i>; Avi • <i>Johny Tremain</i>; Esther Forbes <p>Grade 7</p> <ul style="list-style-type: none"> • <i>Shabanu: Daughter of the Wind</i>; Suzanne Staples • <i>The Outsiders</i>; S.E. Hinton 	<p style="text-align: center;">Grades 7 and 8</p> <p>Number Sense</p> <ul style="list-style-type: none"> • Rational numbers (7-1.2) • Discounts/mark-ups (7-1.7) • Absolute value (7-2.5) <p>Algebra and Functions</p> <ul style="list-style-type: none"> • Interpret/evaluate expressions (7-1.1) • Graph quantitative relationships (7-1.5) <p>Geometry and Measurement</p> <ul style="list-style-type: none"> • Coordinate graphs (7-3.2) <p>8th Grade Challenge Standards</p> <ul style="list-style-type: none"> • Simplify expressions (8-1.3) • Solve multi-step problems involving linear equations (8-5.0) 	<p style="text-align: center;">Grade 7: Islamic Civilizations—Middle Ages (7.2)</p> <ul style="list-style-type: none"> • Growth of Islamic Religion/civilization • Judaism and Christianity • Expansion of Muslim rule • Growth of cities/trade • Contributions of Muslim scholars to later civilizations • Current affairs in the Middle East: religion, economics, women <p style="text-align: center;">Grade 8: The Constitution (8.2)</p> <ul style="list-style-type: none"> • Origins of self government: Magna Carta, Mayflower Compact, etc. • Articles of Confederation • Bill of Rights • Major leaders • Principles of federalism, dual sovereignty, separation of power • Issue of slavery and the Constitution 	<p style="text-align: center;">Grade 7: Structure and Function of Living Things/Human Biology (7.5)</p> <ul style="list-style-type: none"> • Human Body organization and functions • Organ systems • Structural framework of muscle/bones • Reproductive organs of humans • Function of umbilicus and placenta • Process of how flowering plans reproduce <p style="text-align: center;">Grade 8: Structure of Matter (8.3)</p> <ul style="list-style-type: none"> • The atom • Compounds and elements • Atoms and molecules form solids by building repeating patterns • States of matter and molecular motion • Atoms and states of matter • Periodic table to identify elements in single compounds

Grades 7-8 Sequenced Pattern of Instruction and Core Literature List with Standards

November

LANGUAGE ARTS	LITERATURE	MATH	HISTORY-SOCIAL SCIENCE	SCIENCE
Objectives & Standards	Literature Selections	Objectives & Standards	Objectives & Standards	Objectives & Standards
<p style="text-align: center;">Listening/Speaking</p> <p style="text-align: center;">Grade 8</p> <ul style="list-style-type: none"> • Comprehension (8-1.1-1.7) • Delivery of Narrative (8-2.1) • Oral delivery (8-2.2) • Analysis/evaluation of communications (8-1.8, 1.9) • Delivery of persuasive presentation (8-2.4) <p style="text-align: center;">Grade 7</p> <ul style="list-style-type: none"> • Listening/speaking Strategies (7-1.1-1.6) • Analysis/evaluation of communications (7-1.7-1.8) • Oral presentations (7-2.3-2.4) <p style="text-align: center;">Reading: Grades 7/8</p> <ul style="list-style-type: none"> • Comprehension 2.4 • Expository critique 2.6 <p style="text-align: center;">Writing</p> <ul style="list-style-type: none"> • Strategies: 98-1.1-1.3, 7-1.1-1.60 • Applications: Persuasive writing 97/8-2.40 • Research reports 97-2.30 	<p style="text-align: center;">Core</p> <p style="text-align: center;">Grade 8</p> <ul style="list-style-type: none"> • <i>Dogsong</i>, Gary Paulsen • <i>Call of the Wild</i>, Jack London <p style="text-align: center;">Grade 7</p> <ul style="list-style-type: none"> • <i>Roll of thunder—Hear My Cry</i>, Mildred Taylor (• <i>The Master Puppeteer</i>, Katherine Paterson <p style="text-align: center;">Alternative</p> <p style="text-align: center;">Grade 8</p> <ul style="list-style-type: none"> • <i>Harriett Tubman</i>, Ann Petry • <i>The Killer Angels</i>, Michale Shaaron <p style="text-align: center;">Grade 7</p> <ul style="list-style-type: none"> • <i>Where the Red Fern Grows</i>, Wilson Rawls • <i>The Rainbow People</i>, Laurence Yep • <i>The Ghost in Tokaido Inn</i>; Thomas and Dorothy Hoobler 	<p style="text-align: center;">Grades 7 and 8</p> <p style="text-align: center;">Number Sense</p> <ul style="list-style-type: none"> • Conversion: fractions/decimals/percent (7-1.3) • Rational/irrational numbers (7-1.4) • Terminating/repeating decimals (7-1.5) • Discounts/mark-ups/interest (7-1.7) • Factoring with fractions (7-2.2) • Roots/exponents (7-2.4) • Positive/negative whole number powers (7-1.2) <p style="text-align: center;">Algebra and Functions</p> <ul style="list-style-type: none"> • Interpret/evaluate expressions (7-1.1) • Simplify expressions (7-1.3) • 2-step linear equations (7-4.1) • Multi-step problems with rate, speed, distance, time (7-4.2) <p style="text-align: center;">Measurement/Geometry</p> <ul style="list-style-type: none"> • Units of measure as rates and products (7-1.3) • Perimeter, area, volume (7-2.1) <p style="text-align: center;">Statistics, Data Analysis/Probability</p> <ul style="list-style-type: none"> • Data sets (7-1.1, 7-1.3) • Range, mean, median, mode (6-1.1) <p style="text-align: center;">8th Grade Challenge Standards</p> <p style="text-align: center;">Solving linear equations (8-4.1)</p>	<p style="text-align: center;">Grade 7: China in the Middle Ages (7.3)</p> <ul style="list-style-type: none"> • Tang and Sung Dynasty • Mongol Ascendancy • Ming Dynasty • Confucianism • Development of Imperial state <p style="text-align: center;">Grade 8: Foundation of American Political System (8.3, .7, .9)</p> <ul style="list-style-type: none"> • Abolition leaders • Northwest Ordinance • California’s annexation • Slavery origins & issues • “Common Market” • Formation and divergence of national political parties • Basic law-making process and the Constitution • Issues of a free press 	<p style="text-align: center;">Grade 7: Physical Principles in Living Systems (7-6)</p> <ul style="list-style-type: none"> • Electromagnetic spectrum • Light and vision • How light travels • Simple lenses • Joints in the body and structure in machines • Function of the heart and heart valves • Levers and mechanical advantage <p style="text-align: center;">Grade 8: Periodic Table (8.7)</p> <ul style="list-style-type: none"> • Metals, nonmetals, inert gases • Elements, protons, neutrons • Substance classification by properties

Grades 7-8 Sequenced Pattern of Instruction and Core Literature List with Standards

December

LANGUAGE ARTS	LITERATURE	MATH	HISTORY-SOCIAL SCIENCE	SCIENCE
Objectives & Standards	Literature Selections	Objectives & Standards	Objectives & Standards	Objectives & Standards
<p style="text-align: center;">Listening/Speaking</p> <p style="text-align: center;">Grade 8</p> <ul style="list-style-type: none"> • Comprehension (8-1.1-1.7) • Delivery of Narrative (8-2.1) • Oral delivery (8-2.2) • Analysis/evaluation of communications (8-1.8, 1.9) • Delivery of persuasive presentation (8-2.4) <p style="text-align: center;">Grade 7</p> <ul style="list-style-type: none"> • Listening/speaking Strategies (7-1.1-1.6) • Analysis/evaluation of communications (7-1.7-1.8) • Oral presentations (7-2.3-2.4) <p style="text-align: center;">Reading: Grades 7/8</p> <ul style="list-style-type: none"> • Comprehension (2.4) • Expository critique (2.6) <p style="text-align: center;">Writing</p> <ul style="list-style-type: none"> • Strategies: (8-1.1-1.3, 7-1.1-1.6) • Applications: Persuasive writing (7/8-2.4) • Research reports (7-2.3) 	<p style="text-align: center;">Core</p> <p style="text-align: center;">Grade 8</p> <ul style="list-style-type: none"> • <i>Dogsong</i>, Gary Paulsen • <i>Call of the Wild</i>, Jack London <p style="text-align: center;">Grade 7</p> <ul style="list-style-type: none"> • <i>Roll of thunder—Hear My Cry</i>, Mildred Taylor • <i>The Master Puppeteer</i>, Katherine Paterson <p style="text-align: center;">Alternative</p> <p style="text-align: center;">Grade 8</p> <ul style="list-style-type: none"> • <i>Harriett Tubman</i>, Ann Petry • <i>The Killer Angels</i>, Michale Shaaron <p style="text-align: center;">Grade 7</p> <ul style="list-style-type: none"> • <i>Where the Red Fern Grows</i>, Wilson Rawls • <i>The Rainbow People</i>, Laurence Yep • <i>The Ghost in Tokaido Inn</i>, Thomas and Dorothy Hoobler 	<p style="text-align: center;">Grades 7 and 8</p> <p style="text-align: center;">Number Sense</p> <ul style="list-style-type: none"> • Scientific notation (7-1.1) • Rational numbers (7-1.2) • Rounding off (5-1.1) • Terminating or repeating decimals and percents (7-1.5) • Multiply, divide, simplify rational numbers and exponent rules (7-2.1) • Factoring denominators: fractions (7-2.2) • Percentage of increase/decrease (7-1.6) • Discounts, mark-ups, interest rates (7-1.7) <p style="text-align: center;">Statistics, Data Analysis, Probability</p> <ul style="list-style-type: none"> • Data Sets (7-1.1) <p style="text-align: center;">Algebra and Functions</p> <ul style="list-style-type: none"> • Simplify expressions (7-1.3) • 2-step linear equations (7-4.1) • Multi-step problems with rate, speed, distance, time (7-4.2) <p style="text-align: center;">Measurement and Geometry</p> <ul style="list-style-type: none"> • Compare measurements (7-1.1) • Drawing to scale (7-1.2) 	<p style="text-align: center;">Grade 7: Medieval Japan (7.5)</p> <ul style="list-style-type: none"> • Geography • Prince Shotku Period • Feudalism • Lord-Vassal system • Japanese Buddhism • Culture, including art and drama <p style="text-align: center;">Grade 8: Foundation of American Political System (cont) (8.3, .7, .9)</p> <ul style="list-style-type: none"> • Abolition leaders • Northwest Ordinance • California’s annexation • Slavery origins & issues • “Common Market” • Formation and divergence of national political parties • Basic law-making process and the Constitution • Issues of a free press 	<p style="text-align: center;">Grade 7: Cell Biology (7.1)</p> <ul style="list-style-type: none"> • Characteristics of plant and animal cells • The function of the nucleus • Process of photosynthesis • Cell division • Cell differentiation as organisms develop <p style="text-align: center;">Grade 8: Chemistry of Living Things (8.6)</p> <ul style="list-style-type: none"> • Role of carbon in the chemistry of living things • The function of carbon, hydrogen, nitrogen, oxygen, phosphorous, and sulfur in living things • Molecules in living organisms

**Kern County Superintendent of Schools Office
Alternative Education**

**Sequenced Pattern of
Instruction**

Grades K - 12