

Core Knowledge Calendar

7th Grade

Month	Social Studies	Science	Language Arts	Art	Music
September	Geography of the United States Regions and Cities Physical Features Political, economic and cultural features	Introduction to Science Class norms Communicating in scientific ways The scientific method Data collection & graphs Scientific theories & law	Writing: structure and organization (narrative, descriptive, expository, argumentative) Vocabulary/ Latin and Greek roots/affixes Grammar and usage Commonly misspelled words Foreign phrases Productive and civil speaking and listening skills Common literary devices Common rhetorical devices Elements of poetry, fiction, and nonfiction <i>The Giver</i>	Principles of Design: Movement Art History: -Keith Haring -Hokusai, Great Wave -Shanghai Theater Architecture -Vincent Van Gogh, The Olive Trees	Elements of Music Review as necessary from earlier grades: The orchestra and families of instruments (strings, wind, brass, percussion); keyboard instruments; Vocal ranges: soprano, mezzo- soprano, alto; tenor, baritone, bass Baroque Era (review) - Pachelbel: Canon American Musical Traditions • Salsa and Latin Jazz - Tito Puente Romantic Composers and Works - Johannes Brahms, Symphony No.1 (fourth movement) - Franz Liszt, Hungarian Rhapsody No. 2 for piano - Richard Wagner, Overture to Die Meistersinger von Nürnberg
October	Geography of the United States	Chemical Reactions and Matter	Writing: structure and organization (narrative,	Principles of Design:	American Musical Traditions

	Regions and Cities Physical Features Political, economic and cultural features	MS-PS1-1: Describe the atomic composition of simple molecules and extended structures. MS-PS1-2: Determine if a chemical reaction has occurred. MS-PS1-5: Describe how the total number of atoms does not change in a chemical reaction and thus mass is conserved. MS-LS1-8: Sensory receptors, the brain, and its effect on behavior or storage as memories.	descriptive, expository, argumentative) Vocabulary/ Latin and Greek roots/affixes Grammar and usage Commonly misspelled words Foreign phrases Productive and civil speaking and listening skills Common literary devices Common rhetorical devices Elements of poetry, fiction, and nonfiction <i>The Giver</i> Narrative essay writing MLA document formatting	Repetition, Rhythm, Pattern Art History- -Henri Matisse, Paper Cuts -Vincent Van Gogh, <i>Starry Night</i> -MC Escher, <i>Tessellations</i>	• Salsa and Latin Jazz - Tito Puente - Hector Lavoe - Celia Cruz Elements of Music • Identify chords [such as I (tonic), IV (subdominant), V (dominant); V7]; major and minor chords; chord changes; intervals (third, fourth, fifth). • Understand what an octave is. Romantic Composers and Works - Hector Berlioz, <i>Symphonie Fantastique</i> - Camille Saint-Saëns, <i>Danse Macabre</i>
November	America become a global superpower	Chemical Reactions and Matter, cont'd. Chemical Reactions and Energy MS-PS1-6: Design, construct, test, and modify a device that either releases or absorbs	Writing: structure and organization (narrative, descriptive, expository, argumentative) Vocabulary/ Latin and Greek roots/affixes	Principles of Design: Balance Art History: -Japanese Wood Block Prints -Large City Sculptures	Music and National Identity • Composers and works: - Antonín Dvořák, <i>Symphony No. 9</i> ("From the New World") - Edvard Grieg, <i>Peer Gynt Suites Nos. 1 and 2</i>

		thermal energy by chemical processes. MS-ETS1-2: Evaluate competing design solutions to determine how well they meet the criteria and constraints of the problem. MS-ETS1-3: Identify the best characteristics of different design solutions to design a new solution to better meet the criteria for success. MS-ETS1-4: Conduct iterative testing and modification such that an optimal design can be achieved.	Grammar and usage Commonly misspelled words Foreign phrases Productive and civil speaking and listening skills Common literary devices Common rhetorical devices Elements of poetry, fiction, and nonfiction <i>Treasure Island</i> and adventure fiction		
December	Geography of Western and Central Europe	Chemical Reactions and Energy, cont'd. Metabolic Reactions MS-PS1-1: Describe the atomic composition of simple molecules and extended structures. MS-PS1-2:	Writing: structure and organization (narrative, descriptive, expository, argumentative) Vocabulary/ Latin and Greek roots/affixes Grammar and usage Commonly misspelled words	Principles of Design: Unity	Musical Theatre - Irving Berlin, "White Christmas" - Jerry Bock, <i>Fiddler on the Roof</i> - Victor Herbert, <i>Babes in Toyland</i>

		Analyze the properties of substances before and after they interact to determine if a chemical reaction has occurred. MS-LS1-3: How the body is a system of interacting subsystems composed of groups of cells. MS-LS1-7: How food is rearranged through chemical reactions and how that supports growth and/or release energy. MS-LS1-5: How environmental and genetic factors influence the growth of organisms.	Foreign phrases Productive and civil speaking and listening skills Common literary devices Common rhetorical devices Elements of poetry, fiction, and nonfiction <i>Treasure Island</i> and adventure fiction		
January	World War 1	Metabolic Reactions, cont'd Matter Cycling and Photosynthesis MS-PS1-3: Synthetic materials come from natural resources and impact society. MS-LS1-2: The function of a cell as a whole and ways parts of	Writing: structure and organization (narrative, descriptive, expository, argumentative) Vocabulary/ Latin and Greek roots/affixes Grammar and usage Commonly misspelled words Foreign phrases	Principles of Design: Contrast & Emphasis Art History: -The Discus Thrower - Apollo Belvedere -John Singer Sargent, Parisian Beggar Girl -Claude Monet, Impression Sunrise	Elements of Music - Introduce - ritardando and accelerando (gradually slowing down and getting faster) - crescendo and decrescendo (gradually increasing and decreasing volume) American Musical Traditions • Blues - Evolved from African-American work songs

		cells contribute to the function. MS-LS1-6: The role of photosynthesis in the cycling of matter and flow of energy into and out of organisms. MS-LS2-3: The cycling of matter and flow of energy among living and nonliving parts of an ecosystem.	Productive and civil speaking and listening skills Common literary devices Common rhetorical devices Elements of poetry, fiction, and nonfiction <i>Treasure Island</i> and adventure fiction Descriptive essay writing MLA document formatting		and spirituals - Twelve bar blues form - Huddie Ledbetter (Lead Belly) "The Midnight Special" - Robert Johnson, "Cross Roads Blues"
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February	World War 1	Matter Cycling and Photosynthesis, cont'd.	Writing: structure and organization (narrative, descriptive, expository, argumentative) Vocabulary/ Latin and Greek roots/affixes Grammar and usage Commonly misspelled words Foreign phrases Productive and civil speaking and listening skills Common literary devices Common rhetorical devices Elements of poetry, drama, fiction, and nonfiction <i>Anne Frank: The Diary of a Young Girl</i>, autobiography, and Holocaust literature	Principles of Design: Proportion Self Portraits & Realism Art History Architecture: Parthenon, Pantheon, Gothic Architecture Art History Portraits: -Renoir, Self Portraits -Henry O. Tanner, The Banjo Lesson -Van Gogh Self Portrait -Picasso, Abstract Portraits	American Musical Traditions - Bessie Smith, "Nobody Knows You When You're Down and Out" • Jazz - African-American origins - Terms: improvisation, syncopation, solo and soloist - Ragtime: works of Scott Joplin (such as "The Entertainer" and "Maple Leaf Rag") - Louis Armstrong: early recordings such as "Potato Head Blues," "West End Blues,"
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March	The Russian Revolution	Ecosystem Dynamics & Biodiversity MS-LS2-1: The effects of resource availability on organisms and populations of organisms in an ecosystem. MS-LS2-4: Changes to physical or biological components of an ecosystem affect populations. MS-LS2-2: Patterns of interactions among organisms across multiple ecosystems. MS-LS2-5: Evaluate competing design solutions for maintaining biodiversity and ecosystem services. MS-ESS3-3: Monitoring and minimizing a human impact on the environment. MS-ETS1-1: Develop a design problem to ensure a successful solution.	Writing: structure and organization (narrative, descriptive, expository, argumentative) Vocabulary/ Latin and Greek roots/affixes Grammar and usage Commonly misspelled words Foreign phrases Productive and civil speaking and listening skills Common literary devices Common rhetorical devices Elements of poetry, drama, fiction, and nonfiction <i>Anne Frank: The Diary of a Young Girl</i>, autobiography, and Holocaust literature Expository essay writing & research MLA document formatting & works cited	Art History: Impressionism -Claude Monet: Impression: Sunrise, -Bridge Over a Pool of Lilies -Pierre Auguste Renoir, Luncheon of the Boating Party - Edgar Degas, a ballet painting such as Dancing Class -Mary Cassatt, The Boating Party	American Musical Traditions - Influence of jazz on other music: George Gershwin's Rhapsody in Blue - Mary Lou Williams, "Roll 'Em" - Django Reinhardt, "Nuages" Musical Theatre - Irving Berlin, "There's No Business Like Show Business," "Blue Skies," "Anything You Can Do" - Dorothy Fields, "The Way You Look Tonight," "Sunny Side of the Street"
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April	America from the 20's to the New Deal	Ecosystem Dynamics & Biodiversity, cont'd.	Writing: structure and organization (narrative, descriptive, expository, argumentative) Vocabulary/ Latin and Greek roots/affixes Grammar and usage Commonly misspelled words Foreign phrases Productive and civil speaking and listening skills Common literary devices Common rhetorical devices Elements of poetry, fiction, and nonfiction <i>The Pearl / Of Mice and Men</i> and realistic fiction	Art History: Post Impressionism -Paul Cezanne: a still life such as Apples and Oranges &, The Card Players -Georges Seurat and pointillism: Sunday Afternoon on the Island of the Grande Jatte -Vincent van Gogh: The Starry Night, one of his Sunflowers, a self-portrait such as Self-Portrait [1889] -Paul Gauguin: Vision After the Sermon, Hail Mary (Ia Orana Maria) Henri -Toulouse-Lautrec, At the Moulin Rouge	American Musical Traditions - Duke Ellington: "Caravan," "Take the A Train" [by Billy Strayhorn] - Ella Fitzgerald, "Take the A Train" and "It Don't Mean a Thing" - Miles Davis: "So What"
May	1930's	Earth's Resources and Human Impact MS-ESS3-1: How the uneven distributions of Earth's mineral, energy, and groundwater resources are the result of past and	Writing: structure and organization (narrative, descriptive, expository, argumentative) Vocabulary/ Latin and Greek roots/affixes Grammar and usage	Art History Project Choose an era to research	Modern Musical Performers • American Rock - Ray Charles - Etta James - Chuck Berry - Elvis Presley Music and National Identity • Composers and works:

		current geoscience processes. MS-ESS3-5: Factors that have caused the rise in global temperatures over the past century. MS-ESS3-3: Monitoring and minimizing a human impact on the environment. MS-ESS3-4: How increases in human population and per-capita consumption of natural resources impact Earth's systems.	Commonly misspelled words Foreign phrases Productive and civil speaking and listening skills Common literary devices Common rhetorical devices Elements of poetry, fiction, and nonfiction <i>The Pearl / Of Mice and Men</i> and realistic/historical fiction Argumentative essay writing & research MLA document formatting & works cited		- Peter Ilich Tchaikovsky, 1812 Overture - John Philip Sousa, Washington Post March - Manuel Ponce, Estrellita
June	The Rise of Totalitarianism in Europe	MS-ETS1-2: Evaluate competing design solutions using a systematic process to determine how well they meet the criteria and constraints of the problem. Earth's Resources and Human Impact	Writing: structure and organization (narrative, descriptive, expository, argumentative) Vocabulary/ Latin and Greek roots/affixes Grammar and usage Commonly misspelled words Foreign phrases Productive and civil	Art History Project Presentations	Modern Musical Performers • American Rock - The Beach Boys - The Surfaris - The Monkees - The Byrds - The Lovin' Spoonful

			speaking and listening skills Common literary devices Common rhetorical devices Elements of poetry, fiction, and nonfiction <i>The Pearl / Of Mice and Men</i> and realistic/historical fiction		
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