

Core Knowledge Calendar
6th Grade

Month	Social Studies	Science	Language Arts	Art	Music
September	Geography Overview	ESS1.A: The Universe and Its Stars Patterns of the apparent motion of the sun, the moon, and stars in the sky can be observed, described, predicted, and explained with models. (MS-ESS1-1)	• Writing: structure and organization (narrative, descriptive, expository, argumentative) • Business and personal letter writing • Vocabulary/ Latin and Greek roots/affixes • Grammar and usage • Commonly misspelled words • Common sayings and phrases • Productive and civil speaking and listening skills • Common literary devices • Common rhetorical devices • Elements of poetry, fiction, and nonfiction • <i>A Wrinkle in Time</i> and fantasy/science fiction	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 • Understand the following notation and terms: - treble clef - bass clef Recognize frequently used Italian terms: • largo (very slow) • andante (moderate; “walking”) • presto (very fast) Introduce • grave (very very slow) • prestissimo (as fast as you can go)

October	Geography: Five Themes of Geography	ESS1.A: The Universe and Its Stars Patterns of the apparent motion of the sun, the moon, and stars in the sky can be observed, described, predicted, and explained with models. (MS-ESS1-1) Earth and its solar system are part of the Milky Way galaxy, which is one of many galaxies in the universe. (MS-ESS1-2) This model of the solar system can explain eclipses of the sun and the moon. Earth's spin axis is fixed in direction over the short-term but tilted relative to its orbit around the sun. The seasons are a result of that tilt and are caused by the differential intensity of sunlight on different areas of Earth across the year. (MS-ESS1-1)	• Writing: structure and organization (narrative, descriptive, expository, argumentative) • Vocabulary/ Latin and Greek roots/affixes • Grammar and usage • Commonly misspelled words • Common sayings and phrases • Productive and civil speaking and listening skills • Common literary devices • Common rhetorical devices • Elements of poetry, fiction, and nonfiction • <i>A Wrinkle in Time</i> and fantasy/science fiction • Narrative essay writing • MLA document formatting	Principles of Design: Repetition, Rhythm, Pattern Art History- -Henri Matisse, Paper Cuts -Vincent Van Gogh, Starry Night -MC Escher, Tessellations	Elements of Music • Recognize introduction, interlude, and coda in musical selections • Recognize theme and variations. • Understand the following notation and terms: - staff, bar line, double bar line, measure, repeat signs - whole note - half note - quarter note - eighth note - whole rest, half rest, quarter rest, eighth rest - grouped sixteenth notes, tied notes, and dotted notes Baroque Era • Antonio Vivaldi: <i>The Four Seasons: Autumn</i> • Concerto, concerto grosso • Francesca Caccini, <i>La liberazione di Ruggiero</i> • Claudio Monteverdi: <i>L'Orfeo</i>
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November	Deserts of the World	ESS1.A: The Universe and Its Stars Earth and its solar system are part of the Milky Way galaxy, which is one of many galaxies in the universe. (MS-ESS1-2)	• Writing: structure and organization (narrative, descriptive, expository, argumentative) • Vocabulary/ Latin and Greek roots/affixes • Grammar and usage • Commonly misspelled words • Common sayings and phrases • Productive and civil speaking and listening skills • Common literary devices • Common rhetorical devices • Elements of poetry, fiction, and nonfiction • <i>White Fang/The Call of the Wild</i> and adventure/historical fiction	Principles of Design: Balance Art History: -Japanese Wood Block Prints -Large City Sculptures	Baroque Era (ca. 1600–1750) • Counterpoint, fugue, oratorio • Johann Sebastian Bach: selections from <i>Brandenburg Concertos</i>, selections from <i>The Well-Tempered Clavier</i>, selections from the <i>Cantatas</i> such as BWV 80, BWV 140, or BWV 147 • George Frederick Handel: selections from <i>Water Music</i>,
December	Ancient Civilizations	ESS1.B: Earth and the Solar System The solar system consists of the sun and a collection of objects, including planets, their moons, and asteroids that are held in orbit	• Writing: structure and organization (narrative, descriptive, expository, argumentative) • Vocabulary/ Latin and Greek	Principles of Design: Unity	Baroque Era • Handel's <i>Messiah</i>: "Hallelujah Chorus" • oratorio

		around the sun by its gravitational pull on them. (MS-ESS1-2), (MS-ESS1-3) This model of the solar system can explain eclipses of the sun and the moon. Earth's spin axis is fixed in direction over the short-term but tilted relative to its orbit around the sun. The seasons are a result of that tilt and are caused by the differential intensity of sunlight on different areas of Earth across the year. (MS-ESS1-1) The solar system appears to have formed from a disk of dust and gas, drawn together by gravity. (MS-ESS1-2)	roots/affixes • Grammar and usage • Commonly misspelled words • Common sayings and phrases • Productive and civil speaking and listening skills • Common literary devices • Common rhetorical devices • Elements of poetry, fiction, and nonfiction • <i>White Fang/The Call of the Wild</i> and adventure/historical fiction		
January	Ancient Civilizations	ESS2.A: Earth Materials and Systems All Earth processes are the result of energy flowing and matter cycling within and among the planet's systems. This energy is derived from the sun and Earth's hot interior. The energy	• Writing: structure and organization (narrative, descriptive, expository, argumentative) • Vocabulary/ Latin and Greek roots/affixes • Grammar and usage	Principles of Design: Contrast & Emphasis Art History: -The Discus Thrower - Apollo Belvedere -John Singer Sargent, Parisian Beggar Girl -Claude Monet,	Classical Era (ca. 1750–1825) • The classical concerto: soloist, cadenza ◦ Wolfgang Amadeus Mozart: Piano Concerto No. 21 • Chamber music:

		that flows and matter that cycles produce chemical and physical changes in Earth's materials and living organisms. (MS-ESS2-1)	- Commonly misspelled words - Common sayings and phrases - Productive and civil speaking and listening skills - Common literary devices - Common rhetorical devices - Elements of poetry, fiction, and nonfiction <i>White Fang/The Call of the Wild</i> and adventure/historical fiction Descriptive essay writing MLA document formatting	Impression Sunrise	string quartet - Franz Joseph Haydn: String Quartet Opus 76 No. 3 "Emperor"; Quartet Op. 33, No. 2 "The Joke" Songs - Lift Every Voice and Sing
February	Ancient Civilizations	ESS1.C: The History of Planet Earth The geologic time scale interpreted from rock strata provides a way to organize Earth's history. Analyses of rock strata and the fossil record provide only relative dates, not an absolute scale. (MS-ESS1-4) Tectonic processes continually generate new ocean sea floor at ridges	- Writing: structure and organization (narrative, descriptive, expository, argumentative) - Vocabulary/ Latin and Greek roots/affixes - Grammar and usage - Commonly misspelled words - Common sayings and phrases	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	Classical Era - The classical symphony (typically in four movements) - Haydn: Symphony No. 94, Mvt. 2 "Surprise" - Sonata form - Wolfgang Amadeus Mozart, Symphony No. 40 - The sonata - Ludwig van

		and destroy old sea floor at trenches. (secondary to MS-ESS2-3) ESS2.A: Earth Materials and Systems The planet's systems interact over scales that range from microscopic to global in size, and they operate over fractions of a second to billions of years. These interactions have shaped Earth's history and will determine its future. (MS-ESS2-2) ESS2.B: Plate Tectonics and Large-Scale System Interactions Maps of ancient land and water patterns, based on investigations of rocks and fossils, make clear how Earth's plates have moved great distances, collided, and spread apart. (MS-ESS2-3)	• Productive and civil speaking and listening skills • Common literary devices • Common rhetorical devices • Elements of poetry, fiction, and nonfiction • <i>The Lightning Thief/The Iliad, The Odyssey</i> • Classical mythology/drama • World mythology	-Picasso, Abstract Portraits	Beethoven: Piano Sonata No. 14 ("Moonlight Sonata")
March	The Enlightenment	ESS3.B: Natural Hazards Mapping the history of natural hazards in a region, combined with an understanding of related geologic forces can help	• Writing: structure and organization (narrative, descriptive, expository, argumentative) • Vocabulary/	Art History: Japanese Artwork; The Great Buddha Landscape gardens	American Music Stephen Foster: I Dream of Jeanie with the Light Brown Hair, Hard times come again no more, Camptown Races

		forecast the locations and likelihoods of future events. (MS-ESS3-2)	Latin and Greek roots/affixes • Grammar and usage • Commonly misspelled words • Common sayings and phrases • Productive and civil speaking and listening skills • Common literary devices • Common rhetorical devices • Elements of poetry, fiction, and nonfiction • <i>The Lightning Thief/The Iliad, The Odyssey</i> • Classical mythology/drama • World mythology • Expository essay writing & research • MLA document formatting		Elements of Music Understand the following notation and terms: names of lines and spaces in the treble clef; middle C ♯ sharps ♭ flats ♮ naturals Da capo [] al fine meter signature: 4/4 or common time 2/4 3/4 6/8 soft loud
April	The French Revolution	ESS3.B: Natural Hazards Mapping the history of natural hazards in a region, combined with an understanding of related geologic forces can help forecast the locations and likelihoods of future	• Writing: structure and organization (narrative, descriptive, expository, argumentative) • Vocabulary/ Latin and Greek roots/affixes	Art History: American Artwork of the 19th Century	Romantic Era (ca. 1800–1900) • Beethoven as a transitional figure: Symphony No. 9 (fourth movement) • Romantic composers and works: Franz Schubert, lieder (art

		events. (MS-ESS3-2)	• Grammar and usage • Commonly misspelled words • Common sayings and phrases • Productive and civil speaking and listening skills • Common literary devices • Common rhetorical devices • Elements of poetry, fiction, and nonfiction • <i>Alice's Adventures in Wonderland/The Lion, the Witch, and the Wardrobe</i> and fantasy fiction		songs): Die Forelle ("The Trout"), Gretchen am Spinnrade ("Gretchen at the Spinning Wheel") American Musical Traditions Jazz Songs • La Marseillaise, national anthem of France
May	Industrialism, Capitalism And Socialism	ESS2.A: Earth Materials and Systems All Earth processes are the result of energy flowing and matter cycling within and among the planet's systems. This energy is derived from the sun and Earth's hot interior. The energy that flows and matter that cycles produce chemical and physical changes in Earth's materials and living organisms. (MS-ESS2-1)	• Writing: structure and organization (narrative, descriptive, expository, argumentative) • Vocabulary/ Latin and Greek roots/affixes • Grammar and usage • Commonly misspelled words • Common sayings and phrases • Productive and civil speaking and	Art History Project Choose an era to research	Romantic Era • • Frederic Chopin: "Funeral March" from Piano Sonata No. 2 in B flat minor, "Minute Waltz", Revolutionary Etude in C minor • Robert Schumann, Piano Concerto in A Minor • Clara Schumann, Piano Concerto in A minor Op. 7 • Dame Ethel Mary Smyth, The Wreckers

		ESS2.C: The Roles of Water in Earth's Surface Processes Water continually cycles among land, ocean, and atmosphere via transpiration, evaporation, condensation and crystallization, and precipitation, as well as downhill flows on land. (MS-ESS2-4) Global movements of water and its changes in form are propelled by sunlight and gravity. (MS-ESS2-4) ESS2.C: The Roles of Water in Earth's Surface Processes The complex patterns of the changes and the movement of water in the atmosphere, determined by winds, landforms, and ocean temperatures and currents, are major determinants of local weather patterns. (MS-ESS2-5) Variations in density due to variations in	listening skills • Common literary devices • Common rhetorical devices • Elements of poetry, fiction, and nonfiction • <i>Alice's Adventures in Wonderland/The Lion, the Witch, and the Wardrobe</i> and fantasy fiction • Argumentative essay writing & research • MLA document formatting		Gilbert and Sullivan: <i>The Pirates of Penzance</i> Songs • "I am the very model of a Modern Major General"
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		temperature and salinity drive a global pattern of interconnected ocean currents. (MS-ESS2-6) ESS2.D: Weather and Climate Weather and climate are influenced by interactions involving sunlight, the ocean, the atmosphere, ice, landforms, and living things. These interactions vary with latitude, altitude, and local and regional geography, all of which can affect oceanic and atmospheric flow patterns. (MS-ESS2-6) Because these patterns are so complex, weather can only be predicted probabilistically. (MS-ESS2-5) The ocean exerts a major influence on weather and climate by absorbing energy from the sun, releasing it over time, and globally redistributing it through ocean currents. (MS-ESS2-6) ESS3.D: Global Climate			
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		Change			
June	Industrial Revolution: Reform; Workers' rights, Child Labor	ESS3.D: Global Climate Change Human activities, such as the release of greenhouse gasses from burning fossil fuels, are major factors in the current rise in Earth's mean surface temperature (global warming). Reducing the level of climate change and reducing human vulnerability to whatever climate changes do occur depend on the understanding of climate science, engineering capabilities, and other kinds of knowledge, such as understanding of human behavior and on applying that knowledge wisely in decisions and activities. (MS-ESS3-5) ESS3.C: Human Impacts on Earth Systems Human activities have significantly altered the biosphere, sometimes damaging or destroying	• Writing: structure and organization (narrative, descriptive, expository, argumentative) • Vocabulary/ Latin and Greek roots/affixes • Grammar and usage • Commonly misspelled words • Common sayings and phrases • Productive and civil speaking and listening skills • Common literary devices • Common rhetorical devices • Elements of poetry, fiction, and nonfiction • <i>Alice's Adventures in Wonderland/The Lion, the Witch, and the Wardrobe</i> and fantasy fiction	Art History Project Presentations	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 Songs • Ben Jonson/Roger Quilter: "Drink to Me Only with Thine Eyes" • Jonson/Johnny Cash: "Drink to Me Only with Thine Eyes" • Shakespeare/Morley: "It was a Lover and his Lass"

		natural habitats and causing the extinction of other species. But changes to Earth's environments can have different impacts (negative and positive) for different living things. (MS-ESS3-3) Typically as human populations and per-capita consumption of natural resources increase, so do the negative impacts on Earth unless the activities and technologies involved are engineered otherwise. (MS-ESS3-3), (MS-ESS3-4)			
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