

Oklahoma Academic Vocabulary Suggested Words and Terms

Oklahoma State Department of Education

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English Cognate Words understandable to Spanish, Portuguese, French and Italian speakers

Kindergarten

Math	Science	Language Arts	Social Studies
above add behind below beside between calendar circle clock compare count fifth first fourth graph hour left length measure money number on over pattern rectangle right second shapes sort – same/ different square subtract third time triangle under zero	air animal cloud color day earth egg float flower food growth insect light living night parent plant seasons (spring, summer, winter, fall) seed senses shape sink soil sort water	alphabet author back cover book bottom consonant different fairy tale follow directions front cover letter listening skill lowercase name picture book retell rhyme same sight word title top uppercase vowel words	American flag career /employment basic needs classroom community cooperate customs holiday home legends /folktales language money national symbol obey Oklahoma Oklahoma flag property respect responsibility rules savings school state town/city transportation United States

First Grade

Math	Science	Language Arts	Social Studies
<p>addition angle backward/forward chart congruent describe digit direction equal even explain foot greater than guess half hour inch increasing pattern less than list minus minute number line numeral odd order ordinal plus size solve subtraction tallies temperature value weight</p>	<p>attract camouflage desert freezing gravity liquid magnet magnifier measure moon ocean pull push safety shelter sky solid star sun thermometer</p>	<p>alphabetize beginning consonant blend chapter character conversation date (written form) discuss end ending consonant illustrate language long vowel middle noun period plural poem predict punctuation question (mark) reread sentence setting short vowel singular spelling table of contents title page verb vocabulary</p>	<p>Africa Antarctica Arctic Ocean Asia Atlantic Ocean atlas Australia cardinal directions city/urban commemorative holidays continent encyclopedia Europe globe Independence Day Indian Ocean map neighborhood/community North America ocean/sea Pacific Ocean past/present/future patriotic symbols/traditions Pledge of Allegiance rural/country seasons South America Southern Ocean Star Spangled Banner timeline trade</p>

Second Grade

Math	Science	Language Arts	Social Studies
<p>addends classify decrease difference distance estimate fractions (halves, thirds, and fourths) gallon height hexagon hundreds increase model numeric pattern octagon ones pentagon pint place value pound quart quarter hour regroup standard measures sum symmetry table tens thermometer volume whole number</p>	<p>behavior characteristics dissolve distance diversity of life fuel gas graph habitat hibernation larva life cycle natural resources pattern physical properties planets predator predict prehistoric prey scientist shadow SI units (meters, centimeters, degrees Celsius) similarities/differences space texture</p>	<p>adjective antonyms apostrophe base word cause/effect compound word comprehension conclusion contraction dictionary fiction fluent folk tale guide words homonym/homophone infer informational text main character nonfiction prefix pronoun purpose quotation (mark) sequencing suffix summarize synonyms thesaurus topic visualization</p>	<p>Appalachian Mountains bank barter basic landform biography cash citizenship courage credit card cultural features goods and services Great Lakes region gulf history honesty landmark literature location luxuries Mississippi River mountains occupation patriotism plains recreation rivers Rocky Mountains title weather</p>

Third Grade

Math	Science	Language Arts	Social Studies
<p>algorithm analog clock area array bar graph commutative property coordinates customary/standard measurement data denominator density digital clock division edge face factor grid horizontal input metric units (meter, centimeter, gram, kilogram) multiple multiplication number sentence numerator ordered pairs output perimeter pictograph probability product rounding three-dimensional two-dimensional vertex vertical</p>	<p>amphibians balance conservation contract dispersal endangered environment expand experiment extinct food chain germinate invertebrate investigate mammals metamorphosis (complete and incomplete) migrate mixture physical change pollination renewable/nonrenewable resources reptiles rock solution sound structures traits vertebrate vibrations</p>	<p>abbreviation adverb biography chapter headings check for understanding chronological order conjunction contemporary realistic fiction context clues declarative encyclopedia exclamatory fact glossary historical fiction imperative index inferences interrogative main idea modern fantasy multi-meaning words (homonyms) opinion persuasion possessive revise run-on sentences story elements subject supporting details theme</p>	<p>agriculture borders capital resources climate conflict consumer culture distribution economy Equator geographic features geography global hemisphere human resources industry and manufacturing latitude/parallels longitude/meridians map key/legend natural resources physical map political map population Prime Meridian producer product representative leaders resources scale scarcity suburban thematic map wants and needs</p>

Fourth Grade

Math	Science	Language Arts	Social Studies
<p>acute angle associative axis computation dividend divisor elapsed time equation equivalent expanded form (of a number) expression frequency table hundredths inequality symbols intersecting inverse operation line graph obtuse angle parallel perpendicular prediction quotient reasonable reflection right angle rotation rule standard form (of a number) tenths translation variable</p>	<p>adaptation balance scale classification conductor consumer decomposer deposition direction electrical circuit (open and closed) electricity erosion evidence force (pull/push) fossils friction inherited traits insulator mineral motion organism position producer reproduce resistance sediment SI Prefixes (micro, milli, centi, kilo) SI units (grams, meters, liters, degrees Celsius) speed stationary object survival weathering</p>	<p>almanac analyze appendix audience author's purpose character's motive compare/contrast double negatives drawing conclusions evaluate genre hyperbole legend metaphor myths outline paraphrase persuasive possessive nouns prewrite preface proofread publish research sentence fragment simile simple predicate simple subject</p>	<p>almanacs bay canyon city council delta economic specialization entrepreneur exports global trade governor human system immigrants intermediate directions land run mayor mesa major metropolitan center point of view/ perspective prairie primary sources region relative location rural secondary sources state capitol state legislature Trail of Tears tributary urban</p>

Fifth Grade

<p>Math</p> <p>balanced base composite deposit distributive property fair number cube greatest common factor (GCF) improper fractions least common denominator (LCD) least common multiples (LCM) mean metric prefixes (milli, centi, kilo) mixed numbers percent plane prime proper fraction range ray straight angle thousandths Venn diagram withdraw</p>	<p>Science</p> <p>acids/bases atmosphere axis biome chemical change chemical properties community condensation crater decompose dichotomous keys earth's layers (crust, mantle, core) eclipse energy (kinetic/potential) environmental changes (human and nature) evaporation graduated cylinder mass matter moon/lunar (phases) observe orbit pollution population precipitation revolution rotation Scientific Method serial order solar energy Solar System species transfer of energy Universe weather</p>	<p>Language Arts</p> <p>caption character development comparative adjective/adverbs concluding paragraph conflict coordinating conjunctions figurative language free verse generalization idiom interjections introductory paragraph minor character onomatopoeia parts of speech poetic styles reference source resolution rhythm stereotypical stress superlative adjectives, adverbs supporting ideas text (structure) transitional words word origins</p>	<p>Social Studies</p> <p>abolitionist amendments American Revolution Articles of Confederation basic freedoms Bill of Rights cause and effect colony compromise Constitutional Convention and ratification Declaration of Independence democracy executive branch explorers historical map indentured servant Industrial Revolution judicial branch legislative branch Lewis and Clark Expedition Louisiana Purchase manifest destiny mental mapping mission Native American/Indian Preamble Puritan Quaker religion revolution rights slavery supply and demand taxes topographic map triangular trade U.S. Constitution westward expansion women's suffrage</p>
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Sixth Grade

Math	Science	Language Arts	Social Studies
<p>algebraic expression base number circumference complement convert coordinate plane diameter evaluate exponent factorization median mode non-terminating decimal numerical expression order of operations pi plane figure prime factor quadrilateral radius reciprocal sequences (arithmetic, geometric, Fibonacci) similarity simplify square units substitution supplement terminating decimal</p>	<p>amplitude atmosphere (layers) atoms balanced/unbalanced forces biosphere carnivore cells (cell wall, cell membrane, cytoplasm, nucleus, nuclear membrane, organelles, vacuole) commensalism conservation of energy dependent variable ecosystem electric current electrical energy electromagnet electromagnetic spectrum energy pyramid energy transformation food web forms of energy (heat, light, electricity, mechanical motion, sound) frequency geosphere herbivore hydrosphere independent variable magnetic field mutualism niche parasitism reflection refraction relative age sedimentary rocks technology water cycle wave wave length</p>	<p>affix analogy appositive author's viewpoint characterization clause (dependent /independent) dialect graphic organizer literal mythology narrative writing phrases (adj., adv., prep.) plagiarism point of view (1st, 3rd limited, and 3rd omniscient) predicate adjective predicate nominative propaganda references (i.e., card catalogs, database, magazine, newspapers, dictionaries, and other reference books) relevant/irrelevant sentence structure (simple and compound)</p>	<p>absolute/relative location artifacts barter economy Buddhism caste system Chinese civilization Christianity city states command economy constitutional monarchies dictatorship Egypt civilization feudal system Greek civilization Hinduism impact Incan civilization irrigation Islam Judaism lake market economy Mayan civilization migration monarchy nomadic oligarchy peninsula physical regions plateau political representative democracy republic Roman civilization satellite-produced images settlement patterns</p>

Seventh Grade

Math	Science	Language Arts	Social Studies
<p>absolute value acute triangle alternate interior/ exterior angles bisector combinations corresponding angles discount equilateral triangle experimental probability exponential notation integer interest isosceles triangle negative obtuse triangle outcome parallelogram permutations polygon positive proportion quadrant radical sign rate ratio regular polygon rhombus right triangle scale factor scalene triangle square root theoretical probability transversal trapezoid unit rate vertical angle</p>	<p>aerobic anaerobic asexual reproduction asteroids carbon cycle cell organelles (chloroplast, ribosome, mitochondria, vacuole, lysosome) chromosome climate density diffusion gene heredity homeostasis meiosis mitosis molecule organ organ system organisms (multicellular and unicellular) osmosis photosynthesis qualitative change quantitative change respiration sexual reproduction (plant and animal) species diversity tissue transpiration transport weather (conduction, convection)</p>	<p>assumption/assume clause (adverb, introductory, etc.) convention description exposition expository flashback fluency foreshadowing imagery interpretation irony nominative and objective prose types of poetry types of sentences (complex) viewpoint/opinion</p>	<p>acid rain arable land biome climactic pattern/ region continental drift cultural fusion density desertification developed nations developing nations distribution of resources diversity drought earthquake ecosystem elevation emigrant ethnic heritage famine flood fossil fuel GIS (Geographic Information System) global warming human modification /adaptation hurricane immigration map projection patterns perspective plate tectonics policy prevailing winds processes regional change tectonic plate tornado tsunami typhoon urban sprawl /urbanization volcano weather phenomena</p>

Eighth Grade

Math	Science	Language Arts	Social Studies
<p>adjacent angles coefficient constant distance formula domain formula hypotenuse lateral area legs of a triangle linear equation linear inequality Pythagorean theorem range of a function rational number scatter plot scientific notation slope-intercept form slope solids (prisms, cones, cylinders, pyramids) standard form (of a linear equation) surface area term x-y intercepts</p>	<p>abiotic acceleration biotic chemical compound chemical element chemical energy chemical reaction (Newton's three laws of motion) comets constant velocity continental drift continental glaciation control crustal deformation dispersal methods DNA dominant/recessive traits elements forces hypothesis inertia landforms Law of Conservation of Matter monohybrid cross net forces Newton's laws of motion pH plate tectonics Punnett square rock cycle sedimentary /igneous /metamorphic rock variables (independent, dependent) volume</p>	<p>agreement (subject, verb, pronouns, etc.) allusion argument bias coherent order /coherence counter argument /rebuttal debate derivation dramatization elaboration gerund and gerund phrase inference infinitive and infinitive phrases parallel structure participial phrase and participles persuasive writing techniques sensory detail synthesize thesis statement</p>	<p>abolitionism advantage /disadvantage checks and balances chronological Civil War "The Common Man" consent of the governed cotton/cotton gin depression due process economic plan federal government federalism finance continental congresses founding fathers frontier Gettysburg Address Indian removal inflation Jacksonian Democracy Monroe Doctrine Northern states nullification plantation system political parties popular sovereignty president Presidential election presidential impeachment and trial propaganda protective tariff Reconstruction reform movements Second Great Awakening separation of powers social classes Southern states states' rights debate Supreme Court territorial acquisition three branches of government trial by jury union utopian community</p>

Personal Financial Literacy

Grades 7-12

<p>banking bankruptcy borrowing budget career charitable giving checking consumer costs and benefits credit debt</p>	<p>entrepreneurship expenses fraud gambling identity theft income inflation insurance interest investing loan</p>	<p>mortgage online commerce opportunity cost renting retirement risk management savings scarcity standard of living supply and demand taxes</p>
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English

<p>English I</p> <p>allegory analysis anecdote antagonist appeals connotation context credibility data gathering denotation dialogue epic monologue mood personification protagonist sonnet summary tone word choice</p>	<p>English II</p> <p>archetype complexities consumer document counterclaim editorial explicit implicit inconsistencies lyric paradox parenthetical documentation perspective primary source provocative rhetoric root satire secondary source sentence fluency stereotype subgenre voice</p>	<p>English III</p> <p>aesthetic purpose argumentation ballad clarity of meaning literary analysis MLA style multimedia presentations multiple points of view reflective essay resumes and applications rhetorical purpose structure of informational documents study strategies style synthesis textual evidence</p>
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Mathematics

<p>Algebra I</p> <p>absolute value function ascending/descending binomial degree of a polynomial difference of squares elimination method (for solving a system of equations) factor a polynomial function notation inequalities intercepts (x & y) irrational numbers line of best fit linear/nonlinear functions (exponential, quadratic, absolute value) linear systems literal equations monomial parent graph (linear, absolute value, quadratic, constant) polynomial quadratic equation quadratic formula rate of change rational expression real numbers relations substitution method (for solving a system of equations) trinomial</p>	<p>Algebra II</p> <p>arithmetic/geometric sequences asymptotes completing the square complex numbers composition conic sections conjugate (complex) correlation curve of best fit delta discriminant functions (exponential, polynomial, logarithmic, etc.) imaginary inverse function logarithm matrix minimum/maximum (relative, absolute) normal distribution curve (Gaussian) parent function (exponential, polynomial, logarithmic) radical equation sigma standard deviation synthetic division three-dimensional coordinate transformation (algebraic) variance weighted averages zero of a function</p>	<p>Geometry</p> <p>altitude angle of depression/elevation angle relationships (complementary, supplementary, etc., expressed algebraically) arc (measurement, length, major, minor) central angle chord conditional statements (converse, inverse, contrapositives) congruence conjecture construction (protractor, compass, straightedge) convex/concave corresponding parts counterexample deductive reasoning distance formula: $d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$ Euclidean/non-Euclidean Geometry inductive reasoning inscribed angles and polygons circumscribed interior/exterior angles (of a figure) lateral surface area median of a triangle midpoint formula polyhedra proof (formal, paragraph, flow, algebraic) Pythagorean theorem – area model reflexive, symmetric and transitive properties secant line tangent line theorem/postulate/conjecture total surface area transformation (reflection, rotation, translation) trigonometric ratio (sine, cosine, tangent)</p>
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Science

<p>Biology</p> <p>allele</p> <p>analogous</p> <p>ATP</p> <p>behavior (innate, learned)</p> <p>biogeochemical cycle</p> <p>biomolecules</p> <p>carrying capacity</p> <p>cellular respiration</p> <p>DNA (replication, sequence, molecule)</p> <p>enzyme</p> <p>evolution</p> <p>genes (encoding, expression, mutation)</p> <p>genotype</p> <p>heterozygous</p> <p>homologous</p> <p>homozygous</p> <p>levels of organization (cell, tissue, organs, organ system, organism)</p> <p>limiting factors</p> <p>multicellular</p> <p>mutation</p> <p>nucleotide</p> <p>pedigree</p> <p>permeable</p> <p>phenotype</p> <p>phospholipids</p> <p>population density</p> <p>recessive trait</p> <p>RNA</p> <p>sex-linked trait</p> <p>stimulus</p> <p>symbiosis (mutualism, commensalism)</p> <p>transport (active, passive)</p> <p>tropism</p>	<p>Chemistry</p> <p>atom (electron, proton, neutron)</p> <p>atomic mass</p> <p>atomic number</p> <p>atomic theory</p> <p>Avogadro's Number</p> <p>balanced equations (mass conservation)</p> <p>bonding (ionic, polar covalent, nonpolar)</p> <p>catalyst</p> <p>chemical equations</p> <p>chemical formulas</p> <p>electron configuration</p> <p>electronegativity</p> <p>elements</p> <p>endothermic</p> <p>entropy</p> <p>equilibrium</p> <p>exothermic</p> <p>gas laws</p> <p>intermolecular forces</p> <p>inversely proportional</p> <p>ion (cation, anion)</p> <p>Kinetic Theory</p> <p>molar mass</p> <p>molarity</p> <p>mole</p> <p>neutralization</p> <p>oxidation</p> <p>periodic table (families, periods)</p> <p>proportional (directly, indirectly)</p> <p>pure substance</p> <p>reactant</p> <p>reduction</p> <p>solubility</p> <p>stoichiometry</p> <p>valence</p>
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Science

<p>Physical Science</p> <p>atom (electron, proton, neutron) atomic mass atomic number catalyst chemical formulas compound conduction conservation (mass, energy, momentum) convection currents dilution elements equilibrium fossil record gas laws geologic time scale heterogeneous homogeneous ion isotopes kinetic energy mixture (heterogeneous, homogeneous, suspension, colloid) nuclear fusion periodic table (families, periods) potential energy pure substance radiation solute solvent star life cycle tectonic cycle thermal energy velocity waves (electromagnetic, seismic, sound)</p>	<p>Physics</p> <p>buoyancy electromagnetic fluid gas laws gravitation inversely proportional kinetic energy magnitude momentum Ohm's law (voltage, current, resistance) potential energy power proportional scalar specific heat thermodynamics vectors velocity viscosity work</p>
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Social Studies

<p>Economics</p> <p>aggregate demand aggregate supply borrow business cycle buyer capitalism command economy competition consumer price index corporation currency deficit deregulation discount rate economic system entrepreneur Federal Reserve free enterprise Gross Domestic Product (GDP) Gross National Product (GNP) inflation interest loan macroeconomics microeconomics national debt not-for-profit opportunity cost poverty private property private sector profit risk save self-interest seller services shortages socialism socioeconomic standard of living stock market surplus unemployment</p>	<p>U.S. Government</p> <p>Affirmative Action appellate jurisdiction bicameral campaigning census civic duty/responsibility civil liberties/rights comparative government systems constitutional law constitutional origins/principles Elastic Clause equality executive expressed powers gerrymandering implied, inherent, and reserved powers injunction jurisdiction landmark case limited government local government majority rule media minority rights naturalization platform political spectrum politics polling power and authority reapportionment redistricting republicanism rule of law sovereignty special interests unicameral</p>	<p>World Geography</p> <p>atmosphere bilingual biosphere cartograms climograph culture trait economic interdependence erosion free trade globalization hydrosphere indigenous key landforms landmass lithosphere microclimate monotheism movement physical environment place polytheism population pyramid regionalization silting spatial distribution thermal topography weathering</p>
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Social Studies

<p>Oklahoma History</p> <p>Archaic Indians cattle industry cultural perspectives Dawes Commission Dust Bowl ethnic group European explorers First Kansas Colored Regiment Five Tribes geographic regions Great Depression Indian Territory Jim Crow laws land allotment land distribution Long Expedition Mound Builders oil boom and bust cycle Oklahoma Territory Paleo Indians Plains Tribes Populist Movement Progressivism race relations river systems The Kiowa Five tourism Tulsa Race Riot</p>	<p>U.S. History</p> <p>anti-Semitism appeasement arms race assimilation Big Stick and Dollar diplomacy blockade Civil Rights Movement Cold War communism constitutional amendments counterculture desegregation discrimination embargo fascism feminism foreign policy Gilded Age Harlem Renaissance Holocaust imperialism industrialization isolationism Jazz Age Labor Movement McCarthyism monopolies muckraker nationalism nativism neutrality New Deal political machine political scandals progressivism and populism Prohibition reservation system segregation stock market crash totalitarianism United Nations Women's Liberation Movement World War I World War II</p>	<p>World History</p> <p>absolute monarchy Age of Exploration Age of Enlightenment ancient civilization apartheid aristocracy atheism Buddhism capitalism Christianity civilization Columbian Exchange communism Confucianism Crusades Daoism/Taoism empire/imperialism feudalism/Middle Ages genocide/ethnic cleansing Hellenism hunter-gatherer Islam Judaism labor union Mediterranean region Meiji Restoration Mercantilism Middle Passage Militarism Mongol conquests Nationalism/unification Paleolithic Era proletariat Reformation/Renaissance religious fundamentalism river valley civilizations Romanticism Shintoism Socialism terrorism theocracy tribal system Vikings</p>
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