

# Content Vocabulary

Grade 3			
ELA	Math	Science	Social Studies
abstract address adjective adverb affix affixes antecedent apostrophe asking questions audience author base word/root word brainstorming central message chapter character character traits characters charts close reading comparative complete sentence complex text complexity band comprehend comprehension computer conjunction connections consonant context clue context clues conventions coordinating credibility details diagrams dialogue digital source domain-specific (content words) draft drama edit effect emotional traits	additive algorithm area area model arithmetic pattern array associative property attribute commutative property denominator distributive property dividend division divisor equation equivalent estimation estimation rounding factor fourth fraction half or halves kite line plot minute multiplication multiply number line numerator order of operations parallelogram perimeter place value plane figure product quadrilateral quarter quotient rectangle rhombus rounding scale scaled bar graph scaled picture graph square unit fraction	adaptations air beaker behavioral characteristics body parts coal color composition compress contamination cooling electrical energy energy environments evaporate flow fossil fuels freeze gas gases generations graduated cylinder grain heat heating inherit life cycles light energy liquids living magnetic energy matter melt nonliving nonrenewable offspring oil organic overuse particle phase change physical features pollution properties recycle reducing	absolute location alphanumeric (letter/number) grid architecture artifacts artistic expression authority budget buyer cardinal directions centuries century chronological order citizenship citizenship traits city council city manager common good communication community compass rose consequences consumer consumption county government cultural groups culture decade decades democracy diversity economic incentives enforce environment executive finances goods human changes interact judicial landmark laws legislative local government manage map key

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Grade 3			
ELA	Math	Science	Social Studies
events expression fable falling action fluency folktale general academic genre glossaries glossary graphic organizer graphs headings historical events hyperlinks illustration index inferences informational informational text informative introduction key detail labeled diagrams language lesson letter listening literal literal language literature main idea making connections making inferences maps memo mood moral myth narrative narrator nonliteral nonliteral language note notes category noun opinion	unit square	renewable reproduce reuse rocks scale shape similarity soil solar solids sound energy states of matter survive texture traits variation volume waste water wind	map title market mayor municipal government natural resources needs obey opportunity cost peak physical feature physical features physical map plot political map preserve primary sources producer production public services recreation relative location resources rights rules scarcity seller sequential order services significant social and political responsibility special government taxes timeline township government transportation valley variable voting wants x-axis y-axis

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Grade 3			
ELA	Math	Science	Social Studies
ownership pace paragraphs photographs phrases physical traits plagiarism plot plural poem point of view possessives PowerPoint prefix presentation print source produce pronoun publish purpose questions quotation marks rate reading reading strategies recount regular reread rereading research resolution retell revision rising action root word root words scene scientific ideas search tools sentence sentences sequence of events series setting sidebars signal words singular			

# Content Vocabulary

Grade 3			
ELA	Math	Science	Social Studies
source spatial speaker speaking spoken language standard English stanza story subheadings subordinating suffix supporting details syllable table of contents tables task technical text technology temporal tense text text features text to self theme timing title topic verb visualization visualizing voice word processing writing style			

# Content Vocabulary

Grade 4			
ELA	Math	Science	Social Studies
accuracy adage adjectives affix antonym appropriate pace argument ask questions audience audio recording character cite compare complete sentence complex concepts concluding statement connections consonant blend context clue context clues contexts contrast descriptive details descriptive words dictionary digital resources digital source discussion domain-specific words draft drama editing event events evidence explanatory expression falling action figurative language first person fluency formal formal language formats fragment	acute angle addition angle arc area model benchmark fraction common denominator composite data set decimal decomposed parts degrees denominator dividend divisor endpoint equation equivalent fraction equivalent fractions estimation expanded form factor pairs factors fraction line line plot line segment metric units mixed number multi-digit multiple multiples multiplication multiply numerator obtuse angle parallel pattern perpendicular point prime protractor quotient ray rectangular array remainders	abiotic aerial photographs aerial photos avalanche balance battery bedrock behavior behavioral biotic canyons catastrophic catastrophic events caves circuit coil conductor conservation of matter constructive deltas deposition destructive dunes earthquakes ecosystem electricity electromagnet energy energy flow energy transfer environment erosion exotic external features extinct flooding floodplains fossil fossil record fracturing freeze freshwater gas gases in the air glacial features glacial movement	abolitionist Adena agreement agricultural agricultural and related biotechnologies all landform vocabulary words alliance amendments American Revolution approximate archaic Articles I, II, III Articles of Confederation artifact assembly Atlatl authority background information bar graph Battle of Fallen Timbers Battle of Tippecanoe BC/BCE and AD/CE benefits bill Bill of Rights biofuels Blue Jacket board of education boundary budget Cabinet canal boat canals capital capital goods Capitol Building cardinal cash crop census (bureau) century checks and balances chronological city council city manager

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Grade 4			
ELA	Math	Science	Social Studies
glossary graphic organizer historical text ideas idiom informal informal discourse informal language informative introduction key detail keyboarding long-vowel pattern main idea make connections make inferences media media clips metaphor Microsoft PowerPoint Microsoft Word modal auxiliaries multimedia multi-syllabic mythology narrative nuances opinion oral oral presentation organizational structure pairs participate plagiarism planning poem poetry point point of view prefix prepositional phrases printed source procedures progressive verb tenses prose proverb purpose	right angle round rounding rule scale standard algorithm standard units subtraction sum unit unit fraction variable whole whole number	glacier gravity ground water habits heat energy hills ice insulator islands lakes landforms/common landforms landslide liquid magnetic magnetic field magnetism mass mass wasting matter migration mountains/mountain ranges ocean organism organisms physical maps plant growth pollution populations precipitation properties remote sensing data rivers rocks scale scientific tool sediment sinkholes soil solid species springs streams structures (animal and plant) survival	Civil War coal coalition collaboration colonial common good competition compromise concession conductor confederacy conflict Congress conservation construction consumers corn cost cottage industries county court of appeals court of common pleas court of trial custom dams decade demand democracy demographic disagreement district early Emancipation Proclamation energy and power entrepreneur ethnic group ethnic neighborhood Executive executive branch export exports fact/opinion factors of production: <ul style="list-style-type: none"> <li>° capital</li> <li>° consumption</li> <li>° labor</li> <li>° land</li> </ul>

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Grade 4			
ELA	Math	Science	Social Studies
quantitative rate read closely (read like a detective) reason reasons relative pronoun relevant reread research resolution revising rewriting rhythm rising action root root word run-on sentences scientific text setting short-vowel pattern simile six traits of writing small-group source states of being suffix summary supporting details syllable synonym take notes technical text text structure textual evidence theme thesaurus third person transitional words visual visual display visual presentation visualize		temperature thaw thermal energy topographic maps transfer transform valleys volcanic volcanic activity volcanoes and islands water weathering weight wind	federal fertile fertilizers financial literacy financial resources financial security First Amendment foreign market framework of government free enterprise free state freedom of religion freedom of speech frontier Fugitive Slave Act General Assembly global competition goods Governor historical maps historical narrative historical perspective Hopewell House of Representatives human characteristics human resources immigrants immigrate immigration import imports independence Independence Hall industrialization industry information and communication interdependence interdependent intermediate interstate highway invasion inventions/inventors Judicial judicial branch jury justice

# Content Vocabulary

Grade 4			
ELA	Math	Science	Social Studies
			labor labor entrepreneurship Lake Erie/all river identification (with blank map) land law Legislative legislative branch liberty license line graph Little Turtle location of Ohio cities macadam road main idea manufacturing map scale (large and small) mayor memoirs migrate migration minority group Mound Builder mounds municipal National Archives natural gas natural resources needs negotiation nonrenewable resources NW Ordinance NW Territory obligations official documents Ohio Anti-Slavery Society oil opportunity oral interviews order Paleo-Indian Parliament pesticides/herbicides petition physical (natural) characteristics



# Content Vocabulary

Grade 4			
ELA	Math	Science	Social Studies
			<p>                     pictograph                      plantation                      pollution                      ports                      powers                      prehistoric                      President                      press                      primary source                      Proclamation of 1763                      producers                      productive resources                      profit                      protections                      railroads                      raw materials                      recent                      reform                      region                      relative location                      renewable resources                      representatives                      reservoir                      resistance                      responsibilities                      rights                      risk-taking                      rule                      rural                      safe house                      scarcity                      secede                      secondary source                      Senate                      sequential                      services                      settlement house                      settlers                      sheriff                      short-term goal                      specialization                      speech                      stagecoaches                      statehood                      steamboat                      supply                      supporting details                 </p>

# Content Vocabulary

Grade 4			
ELA	Math	Science	Social Studies
			Supreme Court Supreme Court Building sustainable table taxes technology Tecumseh tenement textiles the Prophet tolls trade trade-off trading post transportation Treaty of Greenville Treaty of Paris trial by jury <i>Uncle Tom's Cabin</i> Underground Railroad Union urban voting wants wetlands White House wind turbines

# Content Vocabulary

Grade 5			
ELA	Math	Science	Social Studies
accuracy accurate adages affixes alliteration analysis argument aspects audience background knowledge blend chapters character chronological climax coherent collaborate complex complex sentence structures compound sentence structures concepts conclusion conjunctions context context clues correlative conjunctions decode details dialect digital resources direct address diverse media domain-specific vocabulary domain-specific words drama draw conclusions edit event events evidence explanatory exposition expression falling action	2-dimensional figure 3-dimensional figure additive area area model associative property of multiplication attributes axis/axes base base-ten numeral (standard form) benchmark fractions braces brackets conversion coordinate plane coordinate system corresponding terms cubic unit decimal decimal place decompose denominator equation equivalent fractions estimate expanded form exponent factor height horizontal intersect irregular figure line plot measurement system mixed number number names (word form) number sense numerator numerical expression numerical pattern ordered pair origin parentheses	absorb asteroid axis biodiversity carnivore chain climate comet commensalism community composition concave lenses consumers convex lenses corona decomposers dwarf planet ecosystem elliptical endangered extinct focal point food chain food web force frequency gravity habitat helium herbivore hurricane hydrogen magnitude mass medium meteor monsoon mutualism nutrients omnivore opaque orbit parasitism photosynthesis pitch population	agricultural practices and products allocate altered Antarctic Circle apprenticeship appropriate Arctic Circle artistic Aztec belief systems buyers capacity capital goods capital resources career cartographer certification chronological citizen civic participation climate colonization Common Era (BCE and CE) compromise consequences consumer consumption contributions criteria cultural diversity cultural practices culture degree democracy diagrams dictatorship diffusion distribution economic economic factors economics entrepreneurial entrepreneurship entry-level jobs environmental

# Content Vocabulary

Grade 5			
ELA	Math	Science	Social Studies
figurative language first person fluency formal formats formatting structure future perfect verb tense general academic words genre grapheme Greek roots hyperbole idioms incorrect verb tense inference informational informational text structure informative/explanatory interactions interjections items in a series key points keyboarding skills Latin roots linking/transitional words literal language logical logical sequence main idea make connections media clips metaphor morphology multimedia multisyllabic narrative narrator onomatopoeia opinion organizational structure paraphrase past perfect tense personification phonemes plot poem	partition perpendicular place and value powers of 10 product property quadrant quotient rectangular array rectangular prism round scaling solid figure standard algorithm story context unit unit cube unit fraction vertical visual fraction model volume whole number x-axis x-coordinate y-axis y-coordinate	predator prey producers radiation reflect refract regions revolution rotation solid sound wave species sphere sun flares sun spot symbiosis threatened tilt translucent transparent trophic levels vibration volume	equator Europeans exploration financial literacy geographic data geospatial technologies globes goods and services government heritage human activities human resources immigration Inca income influence interaction interactions interdependency internship investor labor landform Latin America latitude license life experiences location longitude maps market Maya meridian migration Mississippian monarchy multiple-tier timelines natural resources negotiation North Pole occupation physical environments political population primary and secondary sources prime meridian

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Grade 5			
ELA	Math	Science	Social Studies
point point of view precise language prepositions present perfect tense produce proverbs publish purpose quote read closely reading strategies reasons reflection register (formal register – “I would be so grateful if you would stop.” versus informal register – “Knock it off.”) relationships reread research resolution revise revision rising action root root words second person self-correct sensory details settings simile simple sentence structures speaker’s claim stanzas strategies summarize summary supporting details tag questions task text textual evidence theme third person timing			producer production products public issues push and pull factor relationships religions saver scarcity sellers social social structures South Pole specialization technical technologies trade trait variations Western Hemisphere

# Content Vocabulary

Grade 5			
ELA	Math	Science	Social Studies
tone various strategies: context clues, root words, affixes visual display visual elements (e.g., photographs, drawings, cartoons) voice writing style			

# Content Vocabulary

Grade 6			
ELA	Math	Science	Social Studies
affixes alliteration ambiguous anecdote antecedent argument bias bibliographic central idea characterization claims clause climax collaborative discussion complex text conclusion connotation connotative context clues conventions data denotation denotative dialogue diverse media domain-specific episodes event evidence exposition eye contact falling action figurative figurative speech findings first person formal speech formal style genres graphic organizer hyperbole idea individual inference informative/explanatory text	100s grid absolute value algebraic equation algebraic expression area arithmetic expression associative property attributes base box plot center clusters coefficient commutative property condition constant constant rate constraint conversion factor coordinate coordinate plane cross products cubic unit dependent variable difference distribution distributive property dot plot equation equivalent expressions equivalent ratio exponent/power extremes factor formula function table gaps greatest common factor height histogram independent variable inequality infinite input integer interquartile range	aerial map atom bedrock soil binary fission blood vessels cell membrane cell wall cells cellular growth chemical composition chloroplast chromosomes cleavage collide composition composition atomic compounds compressed connective constant speed crystal shape crystalize density dirt diverse body plans electrical energy elements energy transfers energy transformation erosion eubacteria evaporation external structures eyes fixed position flower fluorescence fungi ganglia gas exchange gases generation genetic information genetic material geologic map geologic resources	A.D. absolute location accuracy agricultural revolution agriculture arctic circle B.C. B.C.E. bias Buddhism C.E. capital goods cartographer Christianity chronological citizen civic civil civilization climate collaboration commodity competition compromise consequences consumers cost-benefit analysis cultural cultural diffusion cultural groups cultural practice culture demand democracy dictatorship diffusion discrimination distribution domestic eastern hemisphere economic decision making economic factors economic system economics economist empire

# Content Vocabulary

Grade 6			
ELA	Math	Science	Social Studies
intensive pronoun	least common multiple	extracting	environment
judgment	line plot	gravitational energy	environmental factors
literal	lower extreme	hardness	equator
meaning	lower quartile ( $Q_1$ )	homeostasis	era
metaphor	magnitude	horizontal axis	fertile
mood	mean	igneous	financial literacy
multimedia	mean absolute deviation	infer	foreign made
narrative	measure of center	inorganic	Geographic Information
narrator	measure of variability	internal structures	System (GIS)
nonrestrictive	measure of variation	kinetic energy	geographic origins
onomatopoeia	median ( $Q_2$ )	lava	geographic tools
opinion	mode	leaf	global trade
pacing	multiple	liquids	goods and services
paraphrasing	negative	lithifies	Hinduism
parenthetical	net	luster	homogeneity
personification	opposite	lysosome	human processes
perspectives	order of operations	magma	human resources
phrase	ordered pair	magnetism	import, export
plot	outlier	mass	input
plot structure	output	matter	International Date Line
point of view	parallelogram	meiosis	international trade
pronoun	pattern	metamorphic	intolerance
pronunciation	percent	microbes	investors
quotations	percent bars	micrographs	irrigation
reasons	plane	minerals	Islam
resolution	polygon	mitochondria	Judaism
rising action	positive	mitosis	landform
roles	product	modern cell theory	latitude
roots (Latin and Greek)	properties	Mohs' hardness scale	limited availability
rubric	proportion	molecules	longitude
scene	proportional relationship	motion	luxury product
second person	quadrant	multicellular	market price
sensory language	quadrilateral	multicellular organisms	migration
sentence pattern	quantitative relationship	muscle	modifications
sentence style	quantity	nervous	monarchy
setting	quotient	nucleus	natural resources
simile	range	nutrient matter	negotiation
stanza	rate	organ system	output
style	rate table	organ systems	political factors
summary	ratio	organelles	population
textual evidence	ratio table	organs	port = door
theme	rational number	permeability	price
theme or central idea	reflection	phloem	primary source
third person	right rectangular prism	plantae cells	prime meridian
third person limited	right square pyramid	plasma membrane	producers
third person omniscient	right tetrahedron	plastids	products
tone	right triangle	porosity	quality



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ELA	Math	Science	Social Studies
transitions visualize volume works cited writing process	right triangular prism shape of data skewness solution solution set spread square unit strip diagram substitute sum surface area symmetry term trapezoid triangle unit rate unknown quantity upper extreme upper quartile (Q <sub>3</sub> ) variability variable vertex/vertices volume x-axis x-coordinate y-axis y-coordinate	potable water potential energy properties properties texture color composition quantifiable characteristics relative speed reproduction sedimentary single-celled single-celled organisms soil soil core soil horizons soil map solids sound energy specialized functions speed spontaneous spore stem stored energy (misleading) streak symmetry synthesis of new molecules temperature thermal energy tissues topographic map traits transportation of molecules unconsolidated vacuole vertical axis volume weathered weathering xylem	region relative location religion religious savers scarcity secondary source social classes/structures social factors society specialize/specialization supply supply and demand technology theocracy trade patterns Tropic of Cancer Tropic of Capricorn