

30 Word Core Content
Vocabulary List

Science K-2				
K	1	2	3	4
air	balance	amphibian	adaptation	atmosphere
alike	energy	attract	axis	chemical change
animal	evaporation	axis	carnivore	conservation
day	food chain	bird	community	constellation
different	force	consumer	condensation	density
Earth	gas	energy	consumer	deposition
energy	gravity	environment	decomposer	earthquake
gas	habitat	experiment	ecosystem	fossil
heat	heat	fish	environment	fulcrum
light	life cycle	food web	equator	galaxy
liquid	light	force	erosion	hypothesis
living	liquid	friction	evaporation	igneous rock
magnet	living	gravity	experiment	inclined plane
matter	mass	life cycle	herbivore	lever
moon	matter	mammal	investigation	magnetic
night	nonliving	mass	kinetic energy	metamorphic rock
nonliving	planet	matter	magnetism (magnetic)	microscopic
observe	predict	mixture	mixture	physical change
plant	recycle	moon phase	nonrenewable resource	protist
pulling	resource	motion	population	pulley
pushing	rock	pollution	potential energy	reflection
seed	season	predator	producer	refraction
shadow	shadow	prey	renewable resource	revolution
sky	soil	producer	revolution	rotation
solid	solid	reflect	rotation	scientific method
sound	sound	repel	solar system	sedimentary rock
star	speed	reptile	solution	universe
sun	temperature	rotation	system	variable
thermometer	vibrate	solar system	water cycle	volcano
weather	volume	vibrate	weathering	wheel and axle

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Science				
5	6	7	8	9 - Integrated Science I
atom	abiotic	acceleration	atmosphere	Acceleration
change of state	adaptation	amplitude	carbon cycle	Activation energy
compound	allele	calorie	chemical weathering	Big Bang Theory
conduction	asexual reproduction	circuit	climate	Centripetal force
convection	biodiversity	conduction	comet	Circuit
deposition	biotic	conservation of energy	convection	Conduction
ecosystem	cell theory	convection	crust	Conservation of energy
element	conservation of energy	crest	dependent variable	Conservation of mass
energy pyramid	dependent variable	dependent variable	deposition	Convection
energy transfer	dominance	electromagnetic radiation	erosion	Dependent variable
erosion	ecosystem	electron	experimental control	Eclipse
gravitation	experimental control	entropy	fossil fuel	Electromagnetic
hypothesis	gene	experimental control	gravitational force	Fault
igneous rock	heterozygous	force	heat transfer	Galaxy
inertia	homozygous	frequency	hypothesis	Hypothesis
invertebrate	hypothesis	hypothesis	independent variable	Independent variable
kinetic energy	independent variable	independent variable	law	Inertia
metamorphic rock	law	inertia	mantle	Law
nonrenewable resource	mass	law	mass	Mass
photosynthesis	meiosis	magnetic field	meteor	Matter
potential energy	mitosis	mass	neap tide	Momentum
radiation	nucleus	neutron	ocean basin	Planetary motion
renewable resource	punnett square	pressure	planet	Plate tectonics
scientific method	recessive	proton	plate tectonics	Qualitative
sedimentary rock	scientific method	scientific method	scientific method	Quantitative
tissue	sexual reproduction	speed	sedimentation	Rate of reaction
topographical map (topography)	theory	theory	seismic wave	Spring tide
variable	tropism	thermal energy	spring tide	Theory
vertebrate	variable	trough	star	Thermodynamics
weathering	virus	variable	theory	Velocity
	volume	velocity	variable	
	weight	volume	volume	
		wavelength	weather	
		weight	weight	
			physical weathering	

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Science			
10 - Biology	11 - Chemistry	11 - Integrated Science II	
Accuracy	Acid	Amino acids	
Activation energy	Activation energy	Atomic configuration	
Adaptation	Atomic theory	Catalyst	
Catalyst	Base	Cell membrane	
Cell theory	Catalyst	Chemical bonds	
Cellular respiration	Chemical bond	Covalent bond	
Classification	Concentration	DNA	
Consumer	Conservation of mass	Doppler effect	
Diversity	Covalent bond	Electric force	
DNA	Electron configuration	Electromagnetic	
Energy pyramid	Element	Endothermic reaction	
Genotype	Entropy	Equilibrium	
Half-life	Equilibrium	Exothermic reaction	
Meiosis	Heat of fusion	Flow of energy	
Membrane	Heat of vaporization	Genetic variation	
Mitosis	Ion	Genotype	
Mutation	Isotope	Magnetic force	
Natural selection	Mass	Meiosis	
Permeability	Mass number	Mitosis	
Phenotype	Matter	Natural selection	
Photosynthesis	Molecule	Newtonian mechanics	
Precision	Periodic table	Organic matter	
Predator	pH	Oxidation-reduction reaction	
Prey	Product	Protein synthesis	
Producer	Qualitative	Qualitative	
Protein	Quantitative	Quantitative	
Rate of reaction	Rate of reaction	Rate of reaction.	
Reproduction	Reactant	Species	
Species	Solubility	Velocity	
Stimulus	Stoichiometry	Waves	

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Social Studies				
K	1	2	3	4
calendar	budget	barter	adapt	agriculture
chore	capital	colonist	ancestor	artifact
communicate	citizen	compass rose	century	barrier island
community	continent	conservation	citizenship	boundary
fairness	country	consumer	city	boycott
flag	earn	courage	civilization	cash crop
globe	freedom	crop	communication	civil rights
group	folktale	desert	community	climate
hero	geography	equator	custom	colony
holiday	history	explorer	exploration	compromise
job	inventor	factory	decade	Cracker
lake	law	festival	goods	cultural heritage
language	market	generation	government	discriminate
leader	needs	governor	immigrant	executive
map	ocean	honesty	income	export
money	opportunity	income	industry	geopolitical map
mountain	patriotic symbolsd	independence	invention	governor
neighborhood	plain	island	location	import
pictograph	population	landform	migration	integration
president	recycle	landmark	natural resources	judicial
rule	region	mayor	region	latitude
safety	resource	monument	rural	legislature
season	river	Native American	services	longitude
symbol	shelter	Orlando	state	map key
today	trade	Pilgrim	suburban	peninsula
tomorrow	transportation	pioneer	symbol	segregation
tool	volunteer	producer	trade	slave trade
transportation	vote	settler	tradition	territory
weather	wants	technology	urban	tourism
yesterday	world	valley	vaccine	treaty

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Vocabulary List

Social Studies					
	5	6	7	8th US History	9th Global Studies
abolish	agriculture	ally	abolitionist movement	acculturation	
amendment	ancient	biodiversity	agrarian	apartheid	
Art. of Confederation	Apartheid	Black Death	alien	assimilation	
American Revolution	Buddhism	capital	amend	coalition	
Bill of Rights	cash crop	Congress	bicameral	commodity	
Branches of government	Christianity	conquest	boycott	deforestation	
checks and balances	chronology	consumer	Founding Fathers	democracy	
Civil War	circa	continental divide	citizenship	diffusion	
Confederacy	civilization	crusade	compromise	diversify	
Congress	conflict	dictatorship	debate	economy	
Constituion	culture	embargo	secede	entrepreneur	
Declaration of Independence	developing	emperor	democratic forms of gov't	Euro	
democracy	diplomacy	empire	Declaration of Independence	export	
economic systems	diversity	ethnicity	Emancipation Proclamation	free enterprise	
emancipation	domesticate	feudalism	checks and balances	geography	
federal	ethnic group	generation	Federalism	global economy	
immigrant	famine	genocide	justify	gross domestic product	
Industrial Revolution	geography	hemisphere	legislature	gross national product	
loyalist	Hinduism	interdependence	liberty	illiteracy	
map scale	imperialism	maritime	Marbury v Madison	industrialization	
Mayflower Compact	irrigation	mission	neutrality	infrastructure	
Parliament	Islam	monarchy	nullify	innovation	
petition	Judaism	navigable	popular sovereignty	migration	
preamble	monotheism	parliament	preamble	nationalism	
primary source	polytheism	philosophy	precedent	natural resource	
repeal	scarce	president	prejudice	OPEC	
representative gov't	socioeconomics	renaissance	propaganda	per capita income	
republic	sub-continent	theocracy	ratify	population density	
supply and demand	subsistence	trial	republic	recession	
tariff	tolerance	tributary	revolution	representative democracy	

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Social Studies				
10th World History	11th Grade US History	U.S. Government	Economics	
assimilation	abolition	appropriations	budget	
autocracy	affirmative action	bicameral	business cycle	
bureaucracy	appeasement	Bill of Rights	capital	
capitalism	capitalism	conservative	collective bargaining	
city-state	compromise	constituency	comparative advantage	
civilization	conservative	constitution	compound interest	
Cold War	deflation	defendant	corporation	
Communism	democratic	democracy	debt	
conservatism	dictatorship	diplomacy	deficit	
constitutional government	emancipation	due process	demand	
culture	facism	equality	economics	
democracy	fundamental rights	executive	entrepreneurship	
dictator	immigration	federal	equilibrium	
divine rights	imperialism	foreign policy	exchange	
dynasty	inflation	government	fiscal policy	
empire	isolationists	hegemony	goods	
Enlightenment	liberal	ideology	inflation	
facism	Manifest Destiny	infrastructure	interest	
feudalism	patriotism	judicial	labor	
industrialism	propaganda	jurisdiction	laissez-faire	
liberalism	reactionary thinking	legislature	market	
naturalism	reconstruction	liberal	opportunity cost	
oligarchy	republican	liberty	partnership	
parliamentary government	sectionalism	majority	principle	
propaganda	self-determination	media	scarcity	
republic	separationists	minority rights	stocks	
separation of powers	status quo	plaintiff	supply	
socialism	suffrage	political party	surplus	
sovereignty	totalitarian	republic	union	
technology	yellow journalism	treaty	welfare	

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Language Arts				
K	1	2	3	4
alphabet	author	chapter	appendix	<i>able</i>
back cover	beginning consonant	character	audience	adjective
book	blend	composition	brainstorm	adverb
cover	consonant blend	comprehension	capitalization	antonym
date	dictionary	discussion	chapter title	author's purpose
first name	ending consonant	fairy tale	consonant substitution	chronological order
front cover	letter-sound relationship	folktale	contraction	compound word
last name	long vowel	main character	cursive	context clues
letter	lowercase	main idea	decode	<i>dis</i>
magazine	margin	map	directions	draft
movie	parts of a book	number word	edit	homonym
newspaper	poem	prewriting	encyclopedia	<i>ly</i>
	print	publish	essay	multiple meanings
	rhyme	purpose	fable	<i>non</i>
	short vowel	question	fantasy	plot
	sight word	reread	fiction	<i>plot development</i>
	title	retell	glossary	<i>pre</i>
	title page	sentence	illustration	pronoun
	uppercase	spelling	index	punctuation
	vowel combination	spelling pattern	mystery	quotation marks
	vowel sound	symbol	myth	root word
		table of contents	nonfiction	setting
		textbook	noun	subject
		vocabulary	paragraph	subject-verb agreement
			period	summarize
			prefix	synonym
			proper noun	theme
			question mark	topic sentence
			suffix	<i>un</i>
			syllable	verb

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Vocabulary List

Language Arts				
5	6	7	8	9
abbreviation	author's purpose	<i>able</i>	antonym	alliteration
action verb	autobiography	adjective phrase	bibliography	analysis
apostrophe	biography	caption	business letter	annotated bibliography
cause and effect	cause and effect relationship	comparative adjective	character development	author's purpose
character development	climax	conflict resolution	context clues	cause and effect relationship
colon	closing	descriptive language	coordinating conjunction	character development
comma	comparison	<i>dis</i>	demonstrative pronoun	comparison
command	compound sentence	editorial	draws conclusions	conflict resolution
compare and contrast	compound verb	<i>er</i>	elaboration	contrast
conflict resolution	compound word	<i>est</i>	figurative language	draws conclusions
declarative sentence	conjunction	fact vs opinion	formal language	hyperbole
double negative	contrast	<i>foreshadowing</i>	<i>ful</i>	idiom
draws conclusions/makes inferences	dialogue	interjection	<i>in</i>	indefinite adjective
<i>er</i>	exclamation mark	interview	independent clause	indefinite pronoun
<i>est</i>	exclamatory sentence	italics	informal language	interrogative pronoun
<i>ful</i>	imperative sentence	<i>less</i>	intonation	main idea or essential message
<i>heading</i>	irregular verb	<i>ly</i>	metaphor	makes inferences
homophone	main idea or essential message	<i>mis</i>	narration	organizational pattern
<i>in</i>	makes inferences	<i>non</i>	<i>ness</i>	parody
interrogative sentence	organizational patterns	paraphrase	parallel structure	persuasive devices
<i>less</i>	point of view	personification	perspective	plot development
linking verb	<i>pre</i>	plot development	persuasive text	point of view
main idea	present tense	predicate adjective	plagiarism	primary source
<i>mis</i>	<i>re</i>	relevant supporting details	problem-solution	propaganda
<i>ness</i>	reference materials	salutation	report	reference materials
past tense	root word	sentence combining	research paper	relevant supporting details
persuasive text	simple word analogies	stereotype	simile	satire
point of view	tone	superlative adjective	subordinating conjunction	setting
<i>re</i>	transition	synonym	synthesize	synthesis
reference materials	<i>un</i>	verb phrase	viewpoint	tone
relevant supporting details				

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Language Arts			
10	11	12	
allegory	acronym	ambience	
allusion	aesthetic purpose	appeal to authority	
anecdote	aesthetic quality	appeal to emotion	
archetype	American Psychological As	appeal to logic	
assonance	analogy	autobiographical narrative	
author's bias	artifact	belief system	
clincher sentence	ballad	biographical narrative	
consonance	bias	circumlocution	
context	coherence	compound-complex sentence	
couplet	cohesion	correlative conjunction	
denotative meaning	compound adjective	credibility	
epic	concept	criteria	
expressive writing	connotative meaning	debate	
irony	direct address	divided quotation	
limited point of view	dramatic dialogue	drama-documentary	
lyric poem	emotional appeal	external/internal conflict	
ode	future perfect verb tense	hierarchic structure	
omniscient point of view	hostile audience	interior monologue	
onomatopoeia	internal conflict	Neoclassic literature	
parable	literary criticism	pastoral	
resume'	Modern Language Assoc.	proposition of fact speech	
rhetorical question	nuance	proposition of policy speech	
sarcasm	past perfect verb tense	proposition of problem speech	
semicolon	present perfect verb tense	proposition of value spech	
soliloquy	reflexive pronoun	Romantic period literature	
stream of consciousness	secondary source	temporal change	
structural analysis	standard English		
thesis	text feature		
thesis statement	text structure		
universal theme	understatement		

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Math				
K	1	2	3	4
above	addend	2-Dimensional	algorithm	acute angle
balance	addition	3-Dimensional	area	bar graph
behind	a.m.	angle	axes	decimal
below	analog	array	capacity	diameter
between	attribute	centimeter	closed figure	direct measure
calendar	celsius	clockwise	coordinate	equilateral triangle
cent	chart	cone	denominator	equivalent forms
circle	cylinder	congruent	dividend	greatest common factor
clock	decrease	cube	divisor	improper fraction
coin	degree	customary unit	face	indirect measure
corner	digital	data	factor	mixed number
counting	even number	digit	flip-reflection	negative number
day	Fahrenheit	doubles fact	intersection	non-standard units of measure
dime	fraction	dozen	line graph	obtuse angle
equal	height	edge	mean	organized data
graph	increase	estimation	median	parallelogram
inside	length	expanded notation	metric system	percent
minute	line	fact family	multiple	perpendicular lines
near	number line	line segment	net	pictograph
nickel	odd number	maximum	numerator	plane
number	order	minimum	ordered pair	prism
parttern	place value	mode	point	quotient
penny	p.m.	multiplication	probability	ratio
rectangle	side	numeral	product	relative size
shape	subtraction	operations	range	rule
square	sum	parallel	remainder	similarity
triangle	table	perimeter	right angle	standard units of measure
week	tally	polygon	rotation-turn	transformation
whole	timeline	sphere	slide-translation	unorganized data
zero	weight	symmetry	volume	vertex

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Math				
5	6	7	8	Algebra
algebraic rule	absolute value	adjacent angles	alternate exterior angles	Algebraic function
base	additive inverse	box and whisker plot	alternate interior angles	Base
break-squiggle	algebraic equation	coefficient	altitude	Binary system
circumference	algebraic expression	combinations	analyze	Cartesian coordinates
composite number	complementary angles	counting principle	approximation	Compound event
coordinate grid	coordinates	diagonal	constant	Direct function
divisible	elapsed time	dilation	converse	Direct measure
equation	equilateral	extreme	corresponding parts	Divide radical expressions
expression	formula	factorial	dependent event	Equivalent forms of equations
frequency	horizontal	hypotenuse	discount	Equivalent forms of inequalities
function	image	interest	domain (of a function)	Exponent
inequality	improper fraction	irrational	extrapolate	Factorial notation
interval	integers	like terms	function notation	Fraction inversion
labels	linear measurement	midpoint	independent event	Independent trials
likelihood	mixed numbers	percent of change	intercept	Matrix
line segment	natural numbers	permutations	linear equations	Matrix addition
mass	odds	powers	mark-up	Matrix subtraction
pie chart	origin	principal	multiplicative inverse	Monomial
prime factorization	pi	Pythagorean theorem	polynomials	Multiply radical expressions
prime number	quadrilateral	quartile	predict	Natural number
radius	quadrant	radical	prerequisite	Negative exponent
ray	rate	rational numbers	property	Number subsystem
scale/scale model	rule	real numbers	range (of a function)	Polynomial addition
similar figures	scale drawing	scatter plot	relation	Polynomial division
square root	simplify (simplest form)	scientific notation	segment	Polynomial function
stem and leaf plot	supplementary angles	square root	sequence	Polynomial multiplication
tessellation	vertical	surface area	similarity	Polynomial subtraction
tree diagram	vertical angles	terminating	slope	Radical expression
variable	x axis	tetrahedron	substitution	Reciprocal
vertex	y axis	trapezoid	transversal	Systems of inequalities

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Vocabulary List

Math				
Geometry	Algebra 2	Pre-calc	Statistics	
Angle of depression	Absolute error	Acceleration	Bivariate data transformation	
Arc	Absolute function	Circular function	Bivariate distribution	
Central angle	Asymptote of function	Classes of functions	Categorical Data	
Chord	Complex number	Curve fitting median method	Continuity probability distribution	
Circle without center	Compound interest	Finite graph	Control group	
Cosine	Correlation	Force	Discrete probability	
Dilation of object in a plane	Decibel	Formal mathematical induction	Discrete probability distribution	
Geometric function	Density	Global/local behavior	Empirical verification	
Indirect measure	Domain of function	Inflection	Experimental design	
Isometry	Exponential function	Limit	Experimental probability	
Line Segment	Fibonacci sequence	Minimum/maximum of function	Law of large numbers	
Line segment congruence	Function composition	Parameter	Law of probability	
Line segment similarity	Imaginary number	Parameter estimate	Monte Carlo simulation	
Point of tangency	Inverse function	Parametric equation	Normal Curve	
Postulate	Log function	Periodic function	Parallel box plot	
Prood paragraph	Logarithm	Phase shift	Population	
Protractor	Logarithmic function	Polar coordinates	Probability distribution	
Radius	Matrix equation	Polynomial solution by sign ch	Random sampling technique	
Reflection in space	Matrix inversion	Polynomial solution successiv	Recurrence equation	
Right triangle geometry	Matrix multiplication	Precision of estimation	Recurrence relationship	
Rotation in plane	Monitor progress of a probl	Relative error	Regression coefficient	
Surface area cone	Natural log	Sinusoidal function	Representativeness of sample	
Surface area cylinder	Rational function	Speed	Sample statistic	
Surface area sphere	Recursive equation	Trigonometric relation	Sampling distribution	
Theorem	Richter Scale	Truth table proof	Smallest set of rules	
Theorem direct proof	Series	Univariate data	Spurious correlation	
Theorem indirect proof	Sigma notation	Univariate distribution	Standard deviation	
three-dimensional	Step function	Variance	Statistical experiment	
Vector	total distace graph	Vector addition/multiplication/c	Statistical regression	
Vector addition	Vertex edge graph	velocity	Treatment group	