### **High School Vocabulary Words**

Physics Science Words (Introductory)			
amplitude	energy conservation	inertia	reliable
average acceleration	equilibrium	Kelvin	technological design process
average velocity	feedback systems	kinetic energy	theory
criteria	frequency	net force	trade-offs
electromagnetic spectrum	gravitational potential energy	al Newton vector	
electromagnetic wave	hypothesis	Newton's laws	wavelength



Chemistry Science Words				
acid/base reactions	concentration	concentration ion		
aqueous solution	covalent bond ionic bond outer most electro		outer most electrons	
atomic mass	electron	isotope	periodic table	
atomic nucleus	endothermic	moles	рН	
atomic number	exothermic	exothermic neutron proton		
chemical formula	nical formula half life nuclear fission			
chemical reaction	hemical reaction hydrogen bond nuclear fusion			
Biology Science Words				
ATP	cellular respiration	meiosis	population density	
biodiversity	chloroplast	mitochondria	protein	
biological evolution	chromosome	mitosis	ribosome	
carbon cycle	DNA	mutation	sustainable development	
cell membrane	enzyme	natural selection synthesize		
cell nucleus	genetic recombination	Niche		
cellular replication	homeostasis	nitrogen cycle	]	
Earth/Space Science Words (Integrated)				
Big Bang Theory	evolution (of the Earth)	global climate	radioactive decay	
biogeochemical	fossil fuels	nebula	red shift	

nebula

planetary system

red shift

star life cycle

fossil fuels

geologic time

cycles

carbon dioxide



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# Science Vocabulary

"Teaching specific terms in a specific way is probably the strongest action a teacher can take to ensure that students have the academic background knowledge they need to understand the content they will encounter in school" (Marzano & Pickering, 2005, p. 1).



he following are examples of what a Washington State school district might produce using the state science standards and other vocabulary lists. It is recommended that each district create its own list based on learning goals and adopted instructional materials.



			WING STORES
	Kindergarten	Science Words	
animal	food	ruler	size
chart	magnifier	same	sky
color	moon	sand	sun
day	night	seasons	water
different	patterns	senses	week
earth	plant	shape	year
1st Grade Science Words			
air	force	measure	push
cloud	growth	motion	root
common	habitat	non-living	solid
compare	leaf	observe	tools
container	liquid	part	weather
data table	living	position	whole
describe	location	predict	wind
distance	magnet	pull	
2nd Grade Science Words			
balance	height	model	shadow
contrast	infer	object	soil
evidence	insect	parent	state of matter



### **3-5 Vocabulary Words**

3rd Grade Science Words			
bones	function (Systems)	light energy	structures
characteristics	graph	mineral	system
data	hardness	muscle	vibration
energy	heat energy	nutrients	weight
energy of motion	instruments	pitch	
force	investigation	sound	
4th Grade Science Words			
attraction	current	evaporation	solution (to a problem)
battery	deposition	gas	water cycle
circuits	drought	insulator*	weather
climate	electricity	precipitation	weathering
condensation	energy transfer	repulsion	
conductor	erosion	sediment	]



5th Grade Science Words			
apparent motion of the sun	ecosystem	orbit	reliability
comparison	environment	physical change	repeated trials
competition	experiment	planet	revolution
constellation	field studies	population	rotation
consumer	food web	predator	solar system
decomposer	gravity	prey	spherical
eclipse	interaction	producer	subsystem

## 6-8 Vocabulary Words



analyze anatomy attributes cell characteristics of l circulatory system classification of organisms control

atmosphere average speed balanced force chemical energy climate conduction convection crustal plate crystal adaptation atom

atom chemical change closed system compound density dissolve



6th Grade Science Words					
	controlled variable	manipulated variable	responding variable		
	diagram	mass	tissue		
	digestive system	digestive system matter			
	energy transformation	multicellular organism	variable		
ife	external	organ	visible light		
n	factor	organ system	volume		
	internal	organism			
	investigative question	respiratory system			
	7th Grade Sc	ience Words			
	Earth's crust	mantle	sedimentary rock		
	earthquake	metamorphic rock	simulation		
	electrical energy	phenomena	speed		
/	fault	photosynthesis	thermal		
	formation	plate tectonics	unbalanced force		
	friction	pressure	validity		
	hydrosphere	radiation			
	igneous rock	rock cycle			
	lithosphere	scientific skepticism			
8th Grade Science Words					
	diversity	genetic information	molecule		
	eclipse	genetic variation	open system		
e	element	heredity	phase change		
	evolution	intrinsic property of matter	satellite		
	extinction	light year	solubility		
	galaxy	matter	species		
	gene	mixture	sublimation		