2015-16 VRE SCIENCE VOCABULARY – CONTENT & PROCESS

Physics	Kinder	1st	2nd	3rd	4th	5th
	Light	Light	Light	Energy	Energy	Energy
	Heat	Heat	Heat	Mechanical	Mechanical	Mechanical
	Sound	Sound	Sound	Light	Light	Light
	Magnets	Magnet	Energy	Sound	Sound	Thermal
	Above	Closer	Sliding	Heat/thermal	Heat/thermal	Electrical
	Below	Nearer	Rolling	Vibration	Electrical	Sound
	Behind	Farther	Spinning	Position	Conductor	Circuits
	In Front	Zigzag	Increasing	Motion	Insulator	Current
	Beside		Decreasing	Magnetism	Electrical Circuit	Reflect (Reflection)
	Straight Line			Gravity	Electromagnetic	Refract (Refraction)
	Zigzag			Force	Force	Absorb (Absorption
					Gravity	*Turbine
					Friction	*Series Circuit
					Magnetism	*Complete Circuit
						*Fuse
						*Switch
						*Prism
						*Color Spectrum
						Force
						*Rube Goldberg Device

Chemistry	Kinder	1st	2nd	3rd	4th	5th
	Shape	Mass	Properties	Bouyancy	Physical Properties	Metal
	Shape	Color	Flexibility	Matter	Mass	Magnetism
	Color	Texture	Solid	Mass	Volume	Density
	Texture	Heating	Liquid	Magnetism (magnetic)	State (of matter)	Bouyancy
	Size	Cooling	Heating	Temperature	Solid	Solubility
	Heating	Melting	Cooling	Solid	Liquid	Conduct
	Cooling	Freezing	Melting	Liquid	Gas	Insulate
	Bigger	Evaporating	Temperature	Gas	Melting	Thermal Energy
	Smaller	Larger		Mixture	Condensing	Electrical Energy
	Heavier	Smaller			Mixture	Boiling Point
	Lighter	Heavier			Solution	Freezing Point
	Change	Lighter			Size	Physical State
						Solid
						Liquid
						Gas
						Celsius
						Mixtures
						Ingredients
						Solution
						Dissolve

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Geology	Kinder	1st Grade	2nd Grade	3rd Grade	4th Grade	5th Grade
	Rock	Rock	Freshwater	Soil	Sediment	Sedimentary Rock
	Water	Water	Saltwater	Sediment	*Clay	Sediments
	Soil	Soil	Natural	Mountain	*Silt	Delta
	Size	Stream	Manmade	Hill	*Loam	Canyon
	Shape	Lake		Valley	*Sand	Sand Dune
	Color	Ocean		Plain	Renewable	Constructive Force
	Texture	Size		Landform	Nonrenewable	Destructive Force
		Color		Natural Resources	Inexhaustible+	Formation
		Texture		Reduce	Conservation	Glacier
				Reuse	Coal	*Compaction
				Recycle	Oil (petroleum)	*Cementation
				Weathering	Natural Gas	*Decompose
				Decomposition	Weathering	*Decay
				Volcano	Erosion	Wind Power
				Eruption	Deposition	Solar Power
				Earthquake	Capacity	Hydroelectric
				Landslide	Retain	Geothermal
						Biofuel
						Alternative Energy
						Fossil
					+Not generally used	Fossil Fuels
						Model

Astronomy	Kinder	1st Grade	2nd Grade	3rd Grade	4th Grade	5th Grade
	Weather	Weather	Temperature	Weather Changes	Weather Maps	Weather
	Season	Season	Wind	Air Temperature	Weather Symbols	Climate
	Day	Temperature	Precipitation	Wind Direction	Water Cycle	Ocean
	Night	Hot	Cloud Coverage	Precipitation	Tides	Water Cycle
	Year	Cold	Seasonal	Water Cycle	Moon Phases	Rotate (Rotation)
	Pattern	Clear	Water Cycle	Atmosphere	Map Key	Axis
		Cloudy	Evaporation	Accumulation	Process	Day/Night Cycle
		Calm	Condensation	Gas	Sequences	
		Windy	Weather Conditions	Orbit	Patterns	
		Rainy	Moon	Planet		
		Icy	Month	Star		
		Cloud	Year	*Mercury		
		Sun	Week	*Venus		

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		Air		*Earth	
		Wind		*Mars	
		Day		*Jupiter	
		Night		*Saturn	
		Year		*Uranus	
		Moon		*Neptune	
		Star		Model	
				Relationship	

Ecology	Kinder	1st Grade	2nd Grade	3rd Grade	4th Grade	5th Grade
	Air	Terrarium	Behavior	Environment	Ecosystem	Organism
	Sunlight	Aquarium	Dormancy	Population	Organism	Survive
	Water	Shelter	Environment	Community	Habitat	Ecosystem
	Space (room)	Living	Growth	Ecosystem	Niche	Living
	Living	Nonliving	Hibernation	Flood	Producer	Nonliving
	Nonliving	Food Chain	Migration	Drought	Sunlight	Overpopulation
			Needs	Survive	Carbon dioxide	Grazers
			Precipitation	Thrive	Consumer	Carbon dioxide-Oxygen Cycle
			Temperature	Perish	Food Chain	Flow of Energy
			Food chain	Organism	Food Web	Producer
			Depend (dependence)	Foodchain	Flow of Energy	Consumer
				Flow of Energy	Oxygen	Decomposer
					Dependent	Food Chain
					Interdependent	Food Web
					Relationship	

Biology	Kinder	1st Grade	2nd Grade	3rd Grade	4th Grade	5th Grade
	Animal	Animal	Behaviors	Adapt	Adaptations	Function
	Eyes	Plant	Characteristics	Function	Function	Learned Behavior
	Flower	Life Cycle	Insect	Structure	Structure	Species
	Fruit		Life Cycle	Learned Behavior	Learned Behavior	Structure
	Head		Adult	Competition	Organisms	Organism
	Leaf		Offspring	Inherited	Species	Complete Metamorphosis
	Limbs (legs)				Generation	Incomplete Metamorphosis
	Plant				Inherited	Inherited Trait
	Root					
	Stem					
	Seed					
	Seedling					
	Life Cycle					
	Parent					
	Young (child)					
	Growth					
	Needs					
	Senses					

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Process	Kinder		1st Grade	2nd Grade	3rd Grade	4th Grade	5th Grade
	Observe		Sort	Justify	Investigate	Contrast	Evidence
	Describe		Identify	Describe	Illustrate	compare	Experiment
	Explore		Compare	Unit	Demonstrate	Illustrate	Demonstrate
	Ask		Record	Balance	Recognize	Recognize	Explain
	Predict		Measure	Classify	Test	Hypothesis	Recognize
	Draw		Pattern	Change	Analyze	Conclusion	Hypothesis
	Sort		Cause	Order	Communicate	Capacity	Conclusion
	Amount		Effect	Sequence	Represent	Constant	Evaluate
	Part		Explain	Tool	Evaluate	Infer	Average
	Whole		Graph	Unit	System	Map	
	Similar		Clock		Table	Reliability	
	Different		Length		Components	Research	
			Meter Stick		Data	Symmetry	
			Problem		Property	Theory	
			Ruler			Investigate	
			Contrast				