



Grossology Lesson Plans to relevant Arkansas Science Frameworks

Grossology Correlations to Arkansas Science Frameworks grades 5-8	Description	Blood and Gore	Holes in Your Head	Feelin' Queezy	I Gotta Go!	In One End and Out the Other	It's a Gas	Model a Belch	Owl Pellets	Spit Test	Sweat Equity	The Nose Knows	The Poop on Poop	Tissue Testing	Toilet Tank Survey
ESS.8.7.17	Explain the relationship between the water cycle and ground water														x
LS.2.6.1	Observe, describe, and illustrate plant and animal tissues: mucus, xylem, blood, phloem, skin		x		x	x							x		
LS.2.6.2	Illustrate the hierarchical relationships of cells, tissues, and organs		x		x	x							x		
LS.2.6.3	Investigate the functions of tissues		x	x	x	x				x	x		x	x	
LS.2.6.4	Model and explain the functions of animal organs: heart, ears, lungs, skin, kidneys, teeth, eyes	x	x	x	x	x	x	x		x		x	x		
LS.2.6.7	Describe the relationship between organ function and the following needs of cell waste removal	x	x	x	x	x	x	x	x	x		x	x		
LS.2.7.2	Analyze how two or more organs work together to perform a function (e.g., mouth and stomach to digest food)		x		x	x			x		x		x	x	
LS.2.7.6	Identify human body systems: nervous, integumentary, digestive, skeletal/muscular, circulatory, endocrine, respiratory, reproductive, excretory	x	x	x	x	x	x				x	x	x		
LS.2.7.7	Relate the structure of vertebrate and plant body systems to their functions	x	x	x	x	x	x					x	x		
LS.2.7.8	Investigate functions of human body systems	x	x	x	x	x	x	x		x	x	x	x	x	
LS.2.7.9	Describe interactions between major organ systems	x	x	x	x	x	x					x	x		



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LS.3.6.7	Describe the following structural adaptations for survival in the environment: coloration, fur, odor glands, spines, mimicry, ears, beak, teeth, feet, thorns, wings, characteristics of seeds								x						
LS.4.5.14	Categorize organisms by the function they serve in ecosystems and food webs: predator/prey, parasitism, producer/consumer/decomposer, scavenger								x						
LS.4.5.16	Evaluate positive and negative human effects on ecosystems														x
LS.4.5.2	Identify the transfer of energy using energy pyramids: terrestrial, aquatic								x						
LS.4.5.8	Describe and diagram the carbon dioxide-oxygen cycle in ecosystems	x													
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NS.1.5.1	Make accurate observations	x	x	x	x	x	x	x	x	x	x	x	x	x	x
NS.1.5.5	Communicate results and conclusions from scientific inquiry	x	x	x			x	x		x	x	x		x	



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NS.1.5.6	Develop and implement strategies for long-term, accurate data collection		x		x	x							x		
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NS.1.6.1	Verify accuracy of observations	x	x	x	x	x	x	x	x	x	x	x	x	x	x
NS.1.6.5	Communicate results and conclusions from scientific inquiry	x	x	x	x	x	x	x		x	x	x	x	x	x
NS.1.6.6	Develop and implement strategies for long-term, accurate data collection		x		x	x							x		x
NS.1.7.1	Interpret evidence based on observations	x	x	x	x	x	x	x	x	x	x	x	x	x	x
NS.1.7.5	Communicate results and conclusions from scientific inquiry	x	x	x	x	x	x	x		x	x	x	x	x	x
NS.1.7.6	Develop and implement strategies for long-term, accurate data collection		x		x	x							x		x
NS.1.8.1	Justify conclusions based on appropriate and unbiased observations	x	x	x	x	x	x	x	x	x	x	x	x	x	x
NS.1.8.8	Develop and implement strategies for long-term, accurate data collection		x		x	x							x		x
PS.5.5.3	Identify common examples of physical properties:	x					x					x			
PS.5.5.4	State characteristics of physical changes						x								
PS.5.5.5	Identify characteristics and common examples of physical changes						x								



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PS.5.5.8	Model the motion and position of molecules in solids, liquids, and gases in terms of kinetic energy						x								
PS.5.5.9	Conduct investigations demonstrating expansion and contraction						x								
PS.5.6.7	Identify characteristics of chemical changes: burning, color change, production of a new substance, endothermic and exothermic reactions, reactivity						x	x							