

Arkansas (subject) / Project Learning Tree Correlations -- 2005 Frameworks

SIXTH GRADE

Correlations Levels

☺ Moderate correlation – activity may be used to enhance other activities, but should not be a stand-alone lesson

☺ ☺ Strong correlation – activity may be used as a stand-alone to teach the concept

Strand 2: Life Science **Standard 2: Living Systems: Characteristics, Structure, and Function -- Students shall demonstrate and apply knowledge of living systems using appropriate safety procedures, equipment, and technology**

		PLT Activity Number	Name	Level
Structure and Function	LS.2.6.5 Model and explain the function of plant organs: leaves, roots, stems, flowers	2	Get in Touch with Trees	☺
		41	How Plants Grow	☺
		63	Tree Factory	☺
		65	Bursting Buds	☺
	LS.2.6.7 Describe the relationship between organ function and the following needs of cells: oxygen, food, water, waste removal	41	How Plants Grow	☺

Standard 3: Life Cycles, Reproduction, and Heredity -- Students shall demonstrate and apply knowledge of life cycles, reproduction, and heredity using appropriate safety procedures, equipment, and technology					
Regulation and Behavior	LS.3.6.5 Describe behavioral adaptations of organisms to the environment: hibernation, aestivation, tropism, territorial behavior, migration	10	Charting Diversity	☺ ☺	
		11	Can it be Real	☺ ☺	
	LS.3.6.7 Describe the following structural adaptations for survival in the environment: coloration, mimicry, odor glands, beaks, feet, wings, fur, ears, spines, teeth, thorns, characteristics of seeds	10	Charting Diversity	☺ ☺	
		12	Invasive Species	☺	
		25	Birds and Worms	☺ ☺	
		66	Germinating Giants	☺ ☺	
	Standard 4: Populations and Ecosystems -- Students shall demonstrate and apply knowledge of populations and ecosystems using appropriate safety procedures, equipment, and technology				
	Populations and Ecosystems	LS.4.6.1 Identify environmental conditions that can affect the survival of individual organisms	9	Planet Diversity	☺
12			Invasive Species	☺	
25			Birds and Worms	☺	
26			Dynamic Duos	☺	
27			Every Tree for Itself	☺	

	and entire species	29	Rain Reason	☺	
		48	Field, Forest, and Stream	☺	
		50	400-Acre Wood	☺ ☺	
		54	I'd Like to Visit A Place Where	☺	
		77	Trees in Trouble	☺	
		88	Life on the Edge	☺	
	LS.4.6.2 Conduct simulations demonstrating competition for resources within an ecosystem	27	Every Tree for Itself	☺	
		29	Rain Reasons	☺ ☺	
		77	Trees in Trouble	☺	
	LS.4.6.3 Conduct simulations demonstrating natural selection	29	Rain Reasons	☺	
	LS.4.6.4 Analyze natural selection	29	Rain Reasons	☺	
	Strand 3: Physical Science	Standard 5: Matter: Properties and Changes – Students shall demonstrate and apply of matter, including properties and changes, using appropriate safety procedures, equipment, and technology			
	Properties of Matter	PS.5.6.7 Identify characteristics of chemical changes: burning production of a new substance production of light	81	Living with Fire	☺

	color change endothermic and exothermic reactions reactivity			
	PS.5.6.8 Conduct investigations comparing and contrasting physical and chemical changes	81	Living with Fire	☺
Standard 7: Energy and Transfer of Energy -- Students shall demonstrate and apply knowledge of energy and transfer of energy using appropriate safety procedures, equipment, and technology				
Energy	PS.7.6.1 Classify examples of energy forms: chemical, electromagnetic, mechanical, thermal, nuclear	39	Energy Sleuths	☺
	PS.7.6.2 Summarize the application of the law of conservation of energy in real world situations: electrical energy into mechanical energy, electrical energy into heat, chemical energy into mechanical energy, chemical energy into light	39	Energy Sleuths	☺

Strand 4: Earth and Space Science	Standard 8: Earth Systems -- Students shall demonstrate and apply knowledge of Earth's structure and properties using appropriate safety procedures, equipment, and technology			
Structure and Properties	ESS.8.6.7 Connect short-term changes in <i>climate</i> with volcanic activity	84	The Global Climate	☺