

Learning Through Legacy

Alabama's Environmental Education Guide
for Grades 9-12

Produced for
Alabama Educators

By
Legacy, Partners in Environmental Education



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9-12 Correlation with Alabama Course of Study^(rev 4/2013)

B-Biology

E-Environment Science

C-Chemistry

P-Physics

PS-Physical Science

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9-12 Subject Correlation

	Page #	Biology	Environmental Science	Chemistry	Physics/Physic	Marine Biology	Geology	Zoology	Aqua Science	Botany	Earth/Space Science	History/Social Studies	Geography	Life Skills Science	Economics	Home Economics	Language Arts	Mathematics	Computer Science	Art	Health
ECOLOGY - CHAPTER 1																					
Deer Populations and Carrying Capacity	3	x	x														x	x			
Over Hill, Over Dale, Over Plants, Over Animals	7		x					x		x		x					x				
Life Cycle Assessment	13			x	x																
Cooler By Design	17		x														x				
Growing Globally	19	x										x									
A Mock Council	21		x									x									
Are You Willing To Trade (Off)?	23		x																		
Extension Activity: A Futurist Writer's View on the Environment	27		x																		
Don't Flush It Away	31		x																		
In Hot Water	37	x	x	x	x						x										
The "Oh No Ozone"	41	x	x	x							x										x
Population Dynamics of the Zebra Mussel: A Case Study	49	x	x		x																x
Classification of the Marine Environment	51	x				x															
Using Duckweed to Examine Population Dynamics	57		x	x																	x
Wetlands - A Bad Rap	61		x																		
Wonderful Wetlands And Watersheds	65		x																		
POLLUTION PREVENTION - CHAPTER 2																					
Bacterial Growth From Three Common....	73	x	x	x																	
Don't Sag Behind	77	x	x											x							x
The Effects of Pollutants on Algal Productivity	83	x	x																		
Mutant Colonies	85	x	x																		
To Clean Or To Glean	87	x	x	x																	x
Plants and Sulfur Dioxide Air Pollution	91	x	x	x																	

9-12 Subject Correlation

	Page #	Biology	Environmental Science	Chemistry	Physics/Physic	Marine Biology	Geology	Zoology	Aqua Science	Botany	Earth/Space Science	History/Social Studies	Geography	Life Skills Science	Economics	Home Economics	Language Arts	Mathematics	Computer Science	Art	Health			
Manure Nuisance	97	x	x																			x		
The Routes of Radon	99	x	x		x											x							x	
Enlightened And Reformed - Hazardous Substance	109	x	x	x											x									
Are Those Fish Safe To Eat?	119	x	x			x			x							x							x	
Cleaning Up	127	x	x						x								x							
Eutrophication: Nutrients and Algal Growth	131	x	x						x															
Modeling Groundwater Pollution	135		x	x																				
Particulate Pollution and Emissions Testing	139	x	x	x																			x	
Particulate Producers	143	x	x	x																			x	
Particulate Survey	145	x	x																					
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Deciding What To Do	177		x									x												
Generating Methane From Waste	189		x	x																				
Making Landfill Models	193		x	x																				
Myths of Solid Waste Crisis - Facts Or Opinions	199	x	x																					
Nuclear Energy	205		x																					
Oil Spills	209	x	x																					
Packaging Alternatives (Waste Reduction)	213		x																					
Rural Water	217	x	x																					
Spill It - NOT!	223		x	x																				

9-12 Subject Correlation

	Page #	Biology	Environmental Science	Chemistry	Physics/Physic	Marine Biology	Geology	Zoology	Aqua Science	Botany	Earth/Space Science	History/Social Studies	Geography	Life Skills Science	Economics	Home Economics	Language Arts	Mathematics	Computer Science	Art	Health	
Are You Down In The Dumps?	225	x	x									x										
Plastic Numbers	229	x	x	x										x		x	x	x				
Sewage Treatment Plant Model	223	x	x										x				x	x				
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S*PARK*S	239	x	x				x			x		x	x								x	
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Chain Gang	253	x	x																			
Check It Out	257	x	x									x	x									
Designer Streams	261	x	x						x				x									
Journey To The Center Of A Tree	265		x									x										
Lakes And Dams Of Alabama	267									x		x										
Name That Mineral	271		x																			
Threatened And Endangered Species of Alabama	275	x	x									x										
Treeless City	281	x	x									x	x									
Developed A Stream Of Consciousness	283											x	x									
Water Woebegone	285										x											
What A Watershed	287		x								x	x										