

# Learning Through Legacy

Alabama's Environmental Education Guide  
for Grades 3-5

Produced for  
**Alabama Educators**

By  
**Legacy, Partners in Environmental Education**



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# 3-5 Correlation

## Chapter 1 Ecology

	In The Know (pg 3)	No Salt, Please (pg 5)	Habits Of Habitats (pg 11)	A Spider Sat Down Beside Her (pg 17)	Boning Up On Biomes (pg 23)	Worming Out Of It (pg 29)	The Chain Gang (pg 31)	The Web Of Life (pg 37)	An Ant Can (pg 39)	Adaptations Help Stop Limitations (pg 45)	Necessary Changes (pg 53)	To Transpire or Perspire...That Is The Question (pg 59)	Over And Over Again (pg 63)	Backyard Composting (pg 67)	Vermi-Village (pg 73)
<b>MATHEMATICS</b>															
basic computation (addition, subtraction, multiplication)														X	
use measurements					X	X								X	X
make estimates and approximations						X								X	
formulate and solve problems															
probability and statistics					X		X						X	X	
charts and graphs															
<b>SCIENCE</b>															
identify questions answerable through scientific investigations		X	X	X		X	X			X	X	X	X	X	
use appropriate skills to design and conduct a scientific investigation, including classifying, measuring, observing, predicting, etc.	X				X	X		X			X	X	X	X	
demonstrate the ability to perform safe and appropriate manipulation of materials, living organisms, scientific equipment, and technology.		X		X	X				X	X	X	X		X	X
use available technology to communicate scientific procedures and to defend explanations				X		X			X	X					X
think critically and logically	X	X	X		X		X	X			X	X	X		X
investigate alternative explanations of experimental results							X			X			X		
use mathematics in scientific inquiry					X									X	X
demonstrate an understanding of the relationships among science, technology, and society - past and present	X	X						X					X		
<b>LANGUAGE ARTS</b>															
language (acquiring and using)	X		X	X	X	X	X	X	X	X	X	X	X	X	X
writing ( mechanical, persuasive, creative, letters)	X		X		X					X	X		X		
speaking and listening	X		X		X		X	X	X			X			
reading and literature	X				X										
communication/presenting ideas	X		X				X	X	X	X	X	X	X		X

# 3-5 Correlation

## Chapter 1 Ecology

In The Know (pg 3)
No Salt, Please (pg 5)
Habits Of Habitats (pg 11)
A Spider Sat Down Beside Her (pg 17)
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Necessary Changes (pg 53)
To Transpire or Perespire...That Is The Question (pg 59)
Over And Over Again (pg 63)
Backyard Composting (pg 67)
Vermi-Village (pg 73)

### **SOCIAL STUDIES**

map skills																			
collecting, recording and categorizing data																			X
comparing and contrasting	X			X	X	X				X	X	X							X
inferences and generalizations	X				X		X		X		X								
social, human problems and decision making	X										X								

### **RELATED ARTS**

the arts (art, music, drama)	X		X	X	X				X	X	X	X						X	
health																			
computer activities																			

# 3-5 Correlation

## Chapter 2 Pollution Prevention

	A Legacy (pg 79)	The Dirty Half Dozen (pg 85)	It's All In The Air (pg 95)	Sky Blue, Sunset Red (pg 97)	Smoke Gets In More Than Your Eyes (pg 101)	Let's Sock Car Exhaust (pg 103)	Don't Tale A "Lichen" To Pollution (pg 109)	The Great Garbage Caper (pg 115)	All Tied Up (pg 119)	To Fertilize Or Not To Fertilize: That Is The Question (pg 123)	Clean Up Your Act (pg 127)	Your Dirty Bird (pg 131)	Swim Suitable (pg 135)	Down It Goes - Where It Stops, Nobody Knows (pg 139)	Do You Get My Point? Point and Nonpoint Source Pollution (pg 143)
<b>MATHEMATICS</b>															
basic computation (addition, subtraction, multiplication)							X	X	X						
use measurements			X	X	X		X	X	X	X		X			X
make estimates and approximations			X		X		X		X	X					
formulate and solve problems								X							
probability and statistics			X												
charts and graphs			X			X	X	X		X	X	X	X	X	
<b>SCIENCE</b>															
identify questions answerable through scientific investigations		X				X		X				X		X	X
use appropriate skills to design and conduct a scientific investigation, including classifying, measuring, observing, predicting, etc.	X			X	X	X	X	X	X	X	X	X	X	X	X
demonstrate the ability to perform safe and appropriate manipulation of materials, living organisms, scientific equipment, and technology.							X		X	X			X		
use available technology to communicate scientific procedures and to defend explanations		X		X			X				X			X	
think critically and logically	X			X	X			X		X	X	X		X	X
investigate alternative explanations of experimental results	X				X	X							X		X
use mathematics in scientific inquiry			X		X		X	X		X					
demonstrate an understanding of the relationships among science, technology, and society - past and present		X							X			X			
<b>LANGUAGE ARTS</b>															
language (acquiring and using)	X	X		X	X	X	X	X	X	X	X	X	X	X	X
writing ( mechanical, persuasive, creative, letters)	X		X						X		X		X	X	
speaking and listening	X	X							X						
reading and literature	X														
communication/presenting ideas	X	X				X			X		X	X	X		

**3-5  
Correlation**

**Chapter 2  
Pollution Prevention**

	A Legacy (pg 79)	The Dirty Half Dozen (pg 85)	It's All In The Air (pg 95)	Sky Blue, Sunset Red (pg 97)	Smoke Gets In More Than Your Eyes (pg 101)	Let's Sock Car Exhaust (pg 103)	Don't Take A "Lichen" To Pollution (pg 109)	The Great Garbage Caper (pg 115)	All Tied Up (pg 119)	To Fertilize Or Not To Fertilize: That Is The Question (pg.123)	Clean Up Your Act (pg 127)	Your Dirty Bird (pg 131)	Swim Suitable (pg 135)	Down It Goes - Where It Stops, Nobody Knows (pg.139)	Do You Get My Point? Point and Nonpoint Source Pollution (pg.143)
<b>SOCIAL STUDIES</b>															
map skills							X								
collecting, recording and categorizing data		X				X			X		X				
comparing and contrasting	X					X			X	X	X	X			X
inferences and generalizations	X								X		X	X	X		
social, human problems and decision making	X	X	X		X	X	X	X	X	X	X	X	X	X	
<b>RELATED ARTS</b>															
the arts (art, music, drama)	X					X		X	X			X			
health															
computer activities															

# 3-5 Correlation

## Chapter 3 Waste Management

	What A Waste? (pg 147)	Trash Flash Through Time (pg 151)	Trash Patrol (pg 157)	We're Down In The Dumps (pg 161)	Dump It (pg 169)	It's A Gas (pg 173)	What Goes Around Comes Around (pg 181)	A City "Can" (pg 187)	Heavy Metal (pg 191)	Seeing Is Believing (pg 195)	Roll Out The Barrrels (pg 199)	Fetch A Pail Of Water (pg 203)	Filtration Sensation (pg 207)	Crystallizing The Problem (pg 211)	Playing With Rubbish (pg 213)
<b>MATHEMATICS</b>															
basic computation (addition, subtraction, multiplication)	X		X			X		X							
use measurements	X		X			X							X		
make estimates and approximations				X		X									
formulate and solve problems	X					X									
probability and statistics				X											
charts and graphs	X		X	X				X							
<b>SCIENCE</b>															
identify questions answerable through scientific investigations		X	X	X	X					X	X	X		X	
use appropriate skills to design and conduct a scientific investigation, including classifying, measuring, observing, predicting, etc.			X	X	X	X		X		X	X		X	X	
demonstrate the ability to perform safe and appropriate manipulation of materials, living organisms, scientific equipment, and technology.	X			X		X	X	X				X			X
use available technology to communicate scientific procedures and to defend explanations							X			X			X		
think critically and logically		X		X		X		X		X	X	X	X	X	
investigate alternative explanations of experimental results	X		X						X				X		X
use mathematics in scientific inquiry	X		X		X			X							
demonstrate an understanding of the relationships among science, technology, and society - past and present	X	X		X	X		X	X	X		X	X	X		
<b>LANGUAGE ARTS</b>															
language (acquiring and using)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
writing ( mechanical, persuasive, creative, letters)				X		X	X								
speaking and listening		X					X		X						
reading and literature		X													
communication/presenting ideas			X	X			X		X	X			X		X

# 3-5 Correlation Chapter 3 Waste Management

	What A Waste? (pg 147)	Trash Flash Through Time (pg 151)	Trash Patrol (pg 157)	We're Down In The Dumps (pg 161)	Dump It (pg 169)	It's A Gas (pg 173)	What Goes Around Comes Around (pg 181)	A City "Can" (pg 187)	Heavy Metal (pg 191)	Seeing Is Believing (pg 195)	Roll Out The Barrels (pg 199)	Fetch A Pail Of Water (pg 203)	Filtration Sensation (pg 207)	Crystallizing The Problem (pg 211)	Playing With Rubbish (pg 213)
<b>SOCIAL STUDIES</b>															
map skills					X				X						
collecting, recording and categorizing data	X	X	X			X	X	X							
comparing and contrasting		X									X	X			X
inferences and generalizations		X	X			X	X	X					X	X	
social, human problems and decision making		X	X		X		X	X		X	X	X	X	X	
<b>RELATED ARTS</b>															
the arts (art, music, drama)						X			X	X	X	X	X	X	X
health										X					
computer activities															

# 3-5 Correlation

## Chapter 4 Natural Resources

	Salty Mapping (pg 219)	Mining ( pg 223)	What's The Point (pg 225)	Down Home Dinosaurs (pg 229)	The Value Of Water (pg 233)	Gardening With Natives For Natives (pg 239)	How Strong Are Your "Mussels"? (pg 243)	The Development Of Sunshine City: Simulation Activity (pg 247)	Start Shredding The News (pg 253)	Color My World Natural (pg 255)	Home Sweet Home (pg 257)	Energy From Water - Free For The Taking ( pg 261)	Some Like It Hot (pg 269)	How Are You Gonna Keep It Down On The Farm? (pg 271)	
<b>MATHEMATICS</b>															
basic computation (addition, subtraction, multiplication)		X			X										X
use measurements									X			X	X		
make estimates and approximations				X	X							X	X		
formulate and solve problems								X							
probability and statistics		X													X
charts and graphs		X				X		X							
<b>SCIENCE</b>															
identify questions answerable through scientific investigations			X	X	X	X		X	X					X	
use appropriate skills to design and conduct a scientific investigation, including classifying, measuring, observing, predicting, etc.		X			X	X	X								X
demonstrate the ability to perform safe and appropriate manipulation of materials, living organisms, scientific equipment, and technology.	X		X	X					X	X	X	X	X		
use available technology to communicate scientific procedures and to defend explanations							X			X					
think critically and logically		X		X	X		X	X	X			X	X	X	
investigate alternative explanations of experimental results	X		X												
use mathematics in scientific inquiry		X			X									X	X
demonstrate an understanding of the relationships among science, technology, and society - past and present	X	X		X	X			X			X	X			X
<b>LANGUAGE ARTS</b>															
language (acquiring and using)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
writing ( mechanical, persuasive, creative, letters				X								X			
speaking and listening	X	X	X	X	X		X	X							
reading and literature															
communication/presenting ideas		X	X	X	X			X	X	X	X				X

# 3-5 Correlation

## Chapter 4 Natural Resources

	Salty Mapping (pg 219)	Mining ( pg 223)	What's The Point (pg 225)	Down Home Dinosaurs (pg 229)	The Value Of Water (pg 233)	Gardening With Natives For Natives (pg 239)	How Strong Are Your "Mussels"? (pg 243)	The Development Of Sunshine City: Simulation Activity (pg 247)	Start Shredding The News (pg 253)	Color My World Natural (pg 255)	Home Sweet Home (pg 257)	Energy From Water - Free For The Taking ( pg 261)	Some Like It Hot (pg 269)	How Are You Gonna Keep It Down On The Farm? (pg 271)
<b>SOCIAL STUDIES</b>														
map skills	X													
collecting, recording and categorizing data	X	X	X		X	X		X						
comparing and contrasting			X	X				X		X	X		X	X
inferences and generalizations								X				X		X
social, human problems and decision making		X			X			X		X				X
<b>RELATED ARTS</b>														
the arts (art, music, drama)	X		X					X	X	X	X	X	X	
health												X	X	
computer activities														