"Project" Activity	Source	Alignment to Core Concepts and Essential					Topic																																												Iowa Supplement
		Science	Social Studies	21st Century Skills	Math	Literacy	Adaptation	Animal Signs	Agriculture	Basic Survival Needs	Biodiversity	Camouflage	Career/Occupation/Vocation	Carrying Capacity	Change	Communications	Community Attitude	Conservation	Consumptive/Nonconsumptive	Crowding	Cycles	Culture	Dependence of Plants	Economics	Ecosystems	Endangered Species	Energy	Environmental Awareness	Fire	Food Chains/Food Webs	Habitat	Herbivores, Carnivores, Omnivores	History of Natural Resources	Human Impacts	Interdependence	Intrinsic Value	NonNative Species	Land Use	Laws/Regulations/Policy	Natural Resources Management	Limiting Factors	Pollution	Population Dynamics	Predator/Prey Relationships	Renewable/Nonrenewable Resources	Resource Agencies	Senses	Succession	Urban Environment	Value of Natural Resources	Water	
A Forest of Many Uses (Part A)	PLT	X	X	X	X								x				x																																				
Adopt a Tree (Part A)	PLT	X	X	X	X	X																						x			x																x		x			x
And the Wolf Wore Shoes	PW	X			X	X										x						x																														
Animal Charades	PW	X	X			X																																												x		
Aquawords	PWA	X	X	X	X	X																													x															x		
Are Vacant Lots Vacant? (Variation)	PLT	X		X	X			x			x																				x						x					x							x			
Are You Me?	PWA	X	X												x																																					
Beautiful Basics, The	PW	X	X	X		X				x																					x							x														
Birds and Worms	PLT	X	X		X		x					x																			x													x								x
Bursting Buds	PLT	X		X											x								x								x																					
Classroom Carrying Capacity	PW	X	X			X				x				x	x				x												x							x		x			x									
Color Crazy	PW	X	X	X		X						x																															x									
Did You Notice?	PLT		X	X		X																						x																								
Earth Manners	PLT	X	X	X		X																						x			x											x								x		
Energy Sleuths (Part A)	PLT	X	X															x						x			x							x								x										
Environmental Barometer	PW	X	X		X			x			x																	x			x														x				x	x		
Environmental Exchange Box	PLT	X	X	X												x	x					x		x	x			x																								x
Ethi-Thinking	PW	X	X			X										x	x	x				x				x		x			x			x											x				x	x		
Every Tree for Itself	PLT	X			X																										x																					x
Everybody Needs a Home	PW	X	X	X	X	X				x																					x							x														
Fashion a Fish	PWA	X			X	X	x																								x																					x
Field, Forest, and Stream (Variation)	PLT	X			X						x														x						x							x										x				x
First Impressions	PW	X			X	X										x			x			x		x				x						x	x	x														x		x
Get in Touch with Trees	PLT	X		X		X																																									x					
Graphananimal	PW	X			X			x			x																				x																					
Grasshopper Gravity	PW	X			X	X	x																											x		x														x		
Habitracks	PW	X	X	X	X					x																					x							x											x			
Habitrekking	PW	X	X		X	X		x			x												x					x						x				x				x							x			
Have Seeds, Will Travel	PLT	X			X																										x																					x
How Big Is Your Tree? (Variation)	PLT	X			X								x																		x																					x
How Plants Grow (Variation)	PLT	X			X																x										x																					
I'd Like to Visit a Place Where... (Part A)	PLT	X	X	X	X	X											x											x								x														x		
Learning to Look	PW	X			X	X																																												x		
Living with Fire (Part C)	PLT	X																							x				x																			x				

"Project" Activity	Source	Alignment to Core Concepts and Essential					Topic																																													Iowa Supplement
		Science	Social Studies	21st Century Skills	Math	Literacy	Adaptation	Animal Signs	Agriculture	Basic Survival Needs	Biodiversity	Camouflage	Career/Occupation/Vocation	Carrying Capacity	Change	Communications	Community Attitude	Conservation	Consumptive/Nonconsumptive	Crowding	Cycles	Culture	Dependence of Plants	Economics	Ecosystems	Endangered Species	Energy	Environmental Awareness	Fire	Food Chains/Food Webs	Habitat	Herbivores, Carnivores, Omnivores	History of Natural Resources	Human Impacts	Interdependence	Intrinsic Value	NonNative Species	Land Use	Laws/Regulations/Policy	Natural Resources Management	Limiting Factors	Pollution	Population Dynamics	Predator/Prey Relationships	Renewable/Nonrenewable Resources	Resource Agencies	Senses	Succession	Urban Environment	Value of Natural Resources	Water	
Looking at Leaves	PLT	X		X																											x					x																
Make A Coat	PW	X	X			X													x					x									x		x	x														x		
Make Your Own Paper	PLT	X	X	X		X												x																								x					x					x
Marsh Munchers	PWA	X	X		X		x																							x	x				x								x							x		x
Nature's Recyclers	PLT	X		X		X																									x																					
On the Move (Variation)	PLT	X	X	X	X												x										x																						x			
Pass the Plants, Please (Part A)	PLT	X	X	X	X	X																x								x	x																x					
People, Places, Things	PLT		X	X									x				x					x																											x			
Peppermint Beetle	PLT	X	X	X				x								x																															x					
Picture This!	PLT	X		X	X		x				x	x																																								x
Planning the Ideal Community (Variation)	PLT		X	X													x										x									x			x										x			
Plant a Tree	PLT	X	X	X																	x										x					x													x			x
Plastic Jellyfish	PWA	X	X		X	X													x			x		x			x	x											x				x									x
Playing Lightly on the Earth	PW	X	X	X		X																x						x																					x	x		
Pollution Search (Part B)	PLT	X	X	X	X																						x	x			x											x							x			
Schoolyard Safari	PLT	X		X		X					x																				x																		x			
Seeing is Believing	PW	X				X	x				x																																									
Signs of Fall (Part A)	PLT	X				X															x										x																					
Soil Stories (Part A)	PLT	X	X	X	X												x											x			x			x				x									x		x			
Sounds Around (Parts A, B, D)	PLT	X	X	X		X	x									x	x																														x		x			
Surprise Terrarium	PW	X		X			x																																													
Tale of the Sun	PLT	X	X	X		X										x						x																														
The Closer You Look	PLT	X				X																									x					x																
The Shape of Things	PLT	X		X	X	X	x				x																									x											x					
Thicket Game	PW	X				X	x					x																x							x								x	x								
Three Cheers for Trees	PLT	X	X	X																	x															x													x			
To Be a Tree	PLT	X		X		X																																														
Too Close for Comfort	PW	X	X	X	X						x																	x			x				x			x		x			x							x		
Tree Cookies (Variation)	PLT	X	X			X																																														x
Tree Factory (Variation)	PLT	X		X																	x																															x
Tree Lifecycle (Variation)	PLT	X				X															x									x	x				x																	
Trees as Habitats (Part A)	PLT	X	X	X	X		x																								x				x					x									x			
Trees in Trouble (Part A)	PLT	X	X	X	X	X															x							x						x				x											x			x
Tropical Treehouse (Variation)	PLT		X	X		X	x				x						x	x				x			x					x	x							x														

"Project" Activity	Source	Alignment to Core Concepts and Essential					Topic																																													Iowa Supplement
		Science	Social Studies	21st Century Skills	Math	Literacy	Adaptation	Animal Signs	Agriculture	Basic Survival Needs	Biodiversity	Camouflage	Career/Occupation/Vocation	Carrying Capacity	Change	Communications	Community Attitude	Conservation	Consumptive/Nonconsumptive	Crowding	Cycles	Culture	Dependence of Plants	Economics	Ecosystems	Endangered Species	Energy	Environmental Awareness	Fire	Food Chains/Food Webs	Habitat	Herbivores, Carnivores, Omnivores	History of Natural Resources	Human Impacts	Interdependence	Intrinsic Value	NonNative Species	Land Use	Laws/Regulations/Policy	Natural Resources Management	Limiting Factors	Pollution	Population Dynamics	Predator/Prey Relationships	Renewable/Nonrenewable Resources	Resource Agencies	Senses	Succession	Urban Environment	Value of Natural Resources	Water	
Water Plant Art	PWA	X																													x				x															x		x
Water We Eating	PWA	X	X	X	X																	x		x				x		x																						x
We All Need Trees	PLT	X	X	X		X																												x																		
What Bear Goes Where?	PW	X	X				x			x	x																				x							x														x
What's That, Habitat	PW	X	X		X	X																						x										x														
What's Wild?	PW	X			X	X	x																																											x		
Wildlife is Everywhere	PW	X	X		X	X																												x															x			x

Basic Alignment of Projects WILD, WILD Aquatic, Learning Tree activities to the Core Primary Grade Levels Science Essential Concepts and Skills

Core Essential Concepts & Skills Sets																			"Project" Activity	Source	Activity Skill Development																									
Inquiry 1	Inquiry 2	Inquiry 3	Inquiry 4	Inquiry 5	Inquiry 6	Inquiry 7	Life 1	Life 2	Life 3	Life 4	Life 5	Life 6	Earth 1	Earth 2	Earth 3	Physical 1	Physical 2	Physical 3			analysis	application	cause & effect	classification	comparison	composition	construction	description	discussion	evaluation	generalization	identification	inferance	interpretation	observation	organization	prediction	problem solving	reasoning	representation	research	summarization	synthesis	verification	Iowa Supplement	Notes
X	X	X	X	X	*	X	X	X	X					X					Adopt a Tree	PLT			X	X	X	X		X				X			X	X	X		X				X		x	
*							X												And the Wolf Wore Shoes	PW	X	X		X	X										X											Encourage students to ask questions and find answers about one of the realistic animals from their books.
*							X												Animal Charades	PW	X	X													X											Students may ask questions about domestic vs. wild animals, including pets (in my own experience, questions always come up in this activity!). Allow them to study in depth an animal from the game to find some answers. Teacher could also have students observe a wild animal (ex., squirrel) vs. a domestic pet (ex., classroom pet, cat) to ask questions relating to behavior.
										X				X			X		Aquawords	PWA	X					X										X		X				X				
X		X			X	X	X		X	X									Are Vacant Lots Vacant?	PLT	X				X			X	X						X	X										
*								X											Are You Me?	PWA	X	X		X																						Extensions to the activity create even more opportunity for inquiry!
									X										Beautiful Basics, The	PW	X			X	X																					
							X		X										Birds and Worms	PLT	X		X		X			X				X			X		X		X						x	
*	*						X	X							X				Bursting Buds	PLT	X		X		X			X				X			X											Encourage student questions that can be answered through observations.
*	*			*	*				X	X									Classroom Carrying Capacity	PW	X	X	X		X			X	X	X	X		X		X		X									Students could observe behavior of worms when many are put in a small container. Students could observe animals outside (ex. ants). These observations could lead to questions and result in a simple investigation. Evaluation activity #4 also encourages inquiry.
							X												Color Crazy	PW							X	X			X				X											
										X									Earth Manners	PLT	X	X							X		X															
							X						X						Energy Sleuths	PLT				X				X	X			X			X											
X	X		X	X	X	X			X	X									Environmental Barometer	PW	X			X	X	X			X	X			X		X		X					X	X			
X										*			*						Environmental Exchange Box	PLT					X			X	X			X		X	X	X				X		X			x	Encourage students to ask questions about the region they are exchanging with. Answers can come in the box or from student investigations (including questions to the exchange participants). There are many things related to life and earth science that you may learn from your exchange box.
*									X	X									Ethi-Thinking	PW	X	X	X				X	X		X	X		X					X	X				X			During the small group discussion, encourage students to come up with their own questions about appropriate and inappropriate actions ("events in the environment").
							X		X										Every Tree for Itself	PLT		X	X								X			X			X		X						x	
									X										Everybody Needs a Home	PW	X				X						X															
*							X		X										Fashion a Fish	PWA	X	X	X		X	X	X				X			X									X		x	Extensions to the activity create even more opportunity for inquiry!
X		X	X		X	X			X				X	*		X			Field, Forest, and Stream	PLT	X		X		X				X		X		X		X	X			X						x	Enrichment activity encourages seasonal observations.
X							X												First Impressions	PW	X				X			X			X	X	X							X	X			X	x	
*							X				X								Get in Touch with Trees	PLT				X	X	X		X				X			X					X						Encourage student generation of questions about trees and help them discover as many answers as possible through their observations.
			X						X										Graphananimal	PW	X			X			X								X											
X	X	X	X	*	*	X	X		X										Grasshopper Gravity	PW	X		X	X	X			X			X	X	X		X		X		X					X		This activity easily lends itself to simple investigations. Data can compiled and used to explain discoveries about grasshoppers.
									X										Habitracks	PW	X			X	X	X		X	X		X	X			X											
X		X		X	X		X		X	X									Habitrekking	PW	X	X	X		X		X	X	X		X		X	X	X				X		X		X			
*							X	X	X										Have Seeds, Will Travel	PLT	X			X									X		X	X	X								x	Teacher can encourage students to ask questions about the seeds they've collected, and help students determine how to find answers.
*	*						X									X			How Big Is Your Tree?	PLT	X				X			X							X		X							X	x	Encourage student questions that can be answered through observations.
X	*	X	X	X	X	X	X		X										How Plants Grow	PLT	X		X								X				X	X	X									Encourage students to plan their own investigation with the plants.
										X									I'd Like to Visit a Place Where.	PLT					X			X				X			X											
X																			Learning to Look	PW								X		X					X											Extensions to the activity create even more opportunity for inquiryl
								X	X	X									Living with Fire	PLT	X		X																	X						

Basic Alignment of Projects WILD, WILD Aquatic, Learning Tree activities to the Core Primary Grade Levels Science Essential Concepts and Skills

Core Essential Concepts & Skills Sets																			"Project" Activity	Source	Activity Skill Development																									
Inquiry 1	Inquiry 2	Inquiry 3	Inquiry 4	Inquiry 5	Inquiry 6	Inquiry 7	Life 1	Life 2	Life 3	Life 4	Life 5	Life 6	Earth 1	Earth 2	Earth 3	Physical 1	Physical 2	Physical 3			analysis	application	cause & effect	classification	comparison	composition	construction	description	discussion	evaluation	generalization	identification	inferance	interpretation	observation	organization	prediction	problem solving	reasoning	representation	research	summarization	synthesis	verification	Iowa Supplement	Notes
*	*						X												Looking at Leaves	PLT				X	X	X		X				X	X		X											Encourage student questions that can be answered through observations.
										X									Make A Coat	PW	X			X			X	X	X	X			X	X	X			X								
*	*			*	*		X			X									Make Your Own Paper	PLT					X	X	X								X	X									x	Students could conduct their own investigation using different materials to make paper, as explained in Enrichment activity #1.
							X	X	X										Marsh Munchers	PWA	X		X				X			X					X							X	X		x	
X	X	*	X	X	X	X	X	X	X				X						Nature's Recyclers	PLT	X		X			X		X	X		X	X	X		X	X	X					X				Students can use tools such as magnifying glasses, thermometers and scales in their investigation.
												*							On the Move	PLT	X				X			X				X														Teacher could talk about the health benefits of walking and biking.
							X		X			X			*				Pass the Plants, Please	PLT	X			X	X			X	X			X				X					X					Enrichment activity #5 encourages students to examine how seasons affect what foods are available.
																			People, Places, Things	PLT				X		X		X	X			X			X					X		X				
*							X		X		X								Peppermint Beetle	PLT								X	X					X	X				X							Students may research how animals use their sense of smell.
							X		X										Picture This!	PLT	X			X	X			X		X				X	X	X						X			x	
																			Planning the Ideal Community	PLT							X	X												X			X			
X							X		X	X									Plant a Tree	PLT									X	X								X			X				x	
*	*	*	*	*	*	*			X	X									Plastic Jellyfish	PWA	X		X						X		X	X						X					X		x	Extensions to the activity create even more opportunity for inquiry! (esp. 1, 2, 5, 6, 7)
										X									Playing Lightly	PW	X		X		X				X	X								X	X			X				
										X									Pollution Search	PLT	X		X		X			X		X					X			X								
X		X			X	X				X									Schoolyard Safari	PLT	X			X				X	X					X	X											
*							X												Seeing is Believing	PW	X	X	X	X	X		X	X			X		X		X					X			X			Encourage students to ask questions about their own sight as well as other animals. Allow students to investigate some properties of their own vision as well as learn more about the vision of animals of their choice.
X							X	X						X	X				Signs of Fall	PLT	X		X	X	X			X	X			X	X		X											
X	X	X			X	X			X				X			X			Soil Stories	PLT	X						X	X				X	X		X		X			X				X		Enrichment activity #1 offers another investigation.
*							X		X		X								Sounds Around	PLT	X			X	X		X	X				X			X	X										Encourage student questions about how they hear and special hearing adaptations of animals.
*							X		X										Surprise Terrarium	PW		X	X					X			X		X		X											Use this activity in conjunction with going outside and looking for animals with camouflage. Allow students to ask questions about these animals and other animals with different adaptations.
									X						X				Tale of the Sun	PLT	X				X				X					X	X											
X	*						X		X										The Closer You Look	PLT	X				X	X						X		X	X					X						
		*					X									X			The Shape of Things	PLT				X	X			X							X	X				X						A camera is a great tool for extending the senses and gathering data.
							X		X										Thicket Game	PW	X	X	X					X			X	X			X							X				
									X	X									Three Cheers for Trees	PLT					X		X	X	X	X										X						
*	*						X		X										To Be a Tree	PLT	X						X	X				X		X						X			X			Encourage student questions that can be answered through observations.
									X	X									Too Close for Comfort	PW	X	X	X		X				X	X	X		X				X									
							X	X	X										Tree Cookies	PLT	X	X	X			X		X	X			X	X		X						X				x	
*	*						X	X	X							X			Tree Factory	PLT	X	X						X				X		X	X					X					x	Encourage student questions that can be answered through observations.
							X	X	X										Tree Lifecycle	PLT			X									X								X						
*							X		X						*				Trees as Habitats	PLT			X					X			X		X		X	X	X									Before going outside in Part B, allow students to ask questions about life in a tree and encourage them to find answers during their observations. Enrichment #2 encourages looking at the tree during different seasons.
X							X	*	X	X		X							Trees in Trouble	PLT	X		X		X			X		X		X	X		X			X			X				x	Enrichment activity #2 investigates decomposition - a necessary part of the tree's life cycle.
							X												Water Plant Art	PWA	X			X	X	X	X					X								X					x	

Basic Alignment of Projects WILD, WILD Aquatic, Learning Tree activities to the Core Primary Grade Levels Science Essential Concepts and Skills

Core Essential Concepts & Skills Sets																			"Project" Activity	Source	Activity Skill Development																									
Inquiry 1	Inquiry 2	Inquiry 3	Inquiry 4	Inquiry 5	Inquiry 6	Inquiry 7	Life 1	Life 2	Life 3	Life 4	Life 5	Life 6	Earth 1	Earth 2	Earth 3	Physical 1	Physical 2	Physical 3			analysis	application	cause & effect	classification	comparison	composition	construction	description	discussion	evaluation	generalization	identification	inferance	interpretation	observation	organization	prediction	problem solving	reasoning	representation	research	summarization	synthesis	verification	Iowa Supplement	Notes
							X			*		*							Water We Eating	PWA	X				X	X			X		X		X		X			X			X		X		x	Both personal and environmental health could be topics for further discussion.
							X												We All Need Trees	PLT	X	X		X		X				X		X	X				X				X					
							X		X										What Bear Goes Where?	PW	X	X		X	X		X	X			X	X	X		X		X			X			X	X	x	
									X										What's That, Habitat	PW	X				X						X															
*							X		X										What's Wild?	PW				X			X								X											Encourage student questions about wild vs. domestic. Have students choose an animal to learn more about. See also Animal Charades.
*		*		*			X		X	*									Wildlife is Everywhere	PW	X				X			X			X	X			X										x	Encourage questions about the animal signs - what do they indicate? Use magnifying glasses as tools. Graph results of the observations. Since we share environments with wildlife, discuss ways to help take care of this shared environment.

Primary (K-2) Science Essential Skills and Concepts

Science as Inquiry (Inquiry) (pgs 12-13)		Life Science (Life) (pgs 70-71)	
#	Description	#	Description
1	Ask questions about objects, organisms, and events in the environment	1	Understand and apply knowledge of the characteristics of living things and how living things ar both similar to and different from each other and from non-living things
2	Plan and conduct simple investigations	2	Understand and apply knowledge of life cycles of plants and animals
3	Use tools to gather data and extend the senses	3	Understand and apply knowledge of the basic needs of plants and animals and how they interact with each other and their physical environment
4	Use mathematics in scientific inquiry	4	Understand and apply knowledge of ways to help take care of the environment
5	Use data to construct reasonable explanations	5	Understand and apply knowledge of basic human structures (human body parts and their functions)
6	Communicate investigations and explanations	6	Understand and apply knowledge of good health habits
7	Follow appropriate safety procedures when conducting investigations		

Earth & Space (Earth) (pg 22)		Physical Science (Physical) (pg 44)	
#	Description	#	Description
1	Understand and apply knowledge of properties of earth materials	1	Understand and apply knowledge of observable and measurable properties of objects
2	Understand and apply knowledge of observable information about daily and seasonal weather conditions	2	Understand and apply knowledge of characteristics of liquids and solids
3	Understand and apply knowledge of events that have repeating patterns	3	Understand and apply knowledge of the positions and motions of objects

Basic Alignment of Projects WILD, WILD Aquatic, Learning Tree activities to the Core Primary Grade Levels Social Studies Essential Concepts and Skills

Core Essential Concepts & Skills Sets																								"Project" Activity	Source	Activity Skill Development																									
Behavior 1	Behavior 2	Behavior 3	Behavior 4	Economics 1	Economics 2	Economics 3	Economics 4	Economics 5	Economics 6	Geography 1	Geography 2	Geography 3	Geography 4	History 1	History 2	History 3	History 4	History 5	History 6	History 7	Poli Sci 1	Poli Sci 2	Poli Sci 3			analysis	application	cause & effect	classification	comparison	composition	construction	description	discussion	evaluation	generalization	identification	inferance	interpretation	observation	organization	prediction	problem solving	reasoning	representation	research	summarization	synthesis	verification	Iowa Supplement	Notes
		X	X	X	X			X	X	*		X	X					X	X			X		A Forest of Many Uses	PLT	X	X	X					X	X	X	X							X	X				X			Use maps to identify forested land.
			X										X											Adopt a Tree	PLT			X	X	X	X		X				X			X	X	X		X				X		x	
													X											Animal Charades	PW	X	X													X											
				*					*				*					*						Aquawords	PWA	X					X										X		X				X				Certain aquawords may bring up discussions about scarcity, water needs and the impact humans have on water.
	*																							Are You Me?	PWA	X	X		X																						When discussing adult/child pictures, focus on individual traits to determine matches.
			X						X															Beautiful Basics, The	PW	X			X	X																					
X	X			X					X				X											Classroom Carrying Capacity	PW	X	X	X		X			X	X	X	X		X		X		X									
									X															Color Crazy	PW							X	X			X				X											
	X													X										Did You Notice?	PLT					X			X	X							X				X	X					
													X											Earth Manners	PLT	X	X							X		X															
			X										X											Energy Sleuths	PLT				X				X	X			X			X											
													X											Environmental Barometer	PW	X			X	X	X			X	X			X		X		X					X	X			
X			X				X			X	X	X				X								Environmental Exchange Box	PLT					X			X	X			X		X	X	X				X		X			x	
													X											Ethi-Thinking	PW	X	X	X				X	X		X	X		X					X	X				X			
																								Every Tree for Itself	PLT		X	X								X			X			X		X						x	
		X	X	*						X			*											Everybody Needs a Home	PW	X				X						X															Discussion could include what resources are needed to live and how these resources impact our lives (where we live) and the environment.
									X				*											Habitracks	PW	X			X	X	X		X	X		X	X			X											Students could make and label their own map of the place they explored.
				*					X				X											Habitrekking	PW	X	X	X		X		X	X	X		X		X	X	X				X		X		X			Students could identify limited resources they found during their trek.
			X									X	X											I'd Like to Visit a Place Where…	PLT					X			X				X			X											
					*		*	X	X							X	X	*		X				Make A Coat	PW	X			X			X	X	X	X			X	X	X			X								Could expand by discussing on how major technological changes have impacted the design, function and manufacturing of coats. Could also discuss the historical aspects of trade and exchanging resources for clothing.
				X		X	X						X					X						Make Your Own Paper	PLT					X	X	X								X	X									x	
											*		*											Marsh Munchers	PWA	X		X				X			X					X							X	X		x	Given that marshes are an important ecosystem, discussion could include how humans impact and benefit from them. Could study geographical regions where salt and freshwater marshes are found.

Basic Alignment of Projects WILD, WILD Aquatic, Learning Tree activities to the Core Primary Grade Levels Social Studies Essential Concepts and Skills

Core Essential Concepts & Skills Sets																								"Project" Activity	Source	Activity Skill Development																									
Behavior 1	Behavior 2	Behavior 3	Behavior 4	Economics 1	Economics 2	Economics 3	Economics 4	Economics 5	Economics 6	Geography 1	Geography 2	Geography 3	Geography 4	History 1	History 2	History 3	History 4	History 5	History 6	History 7	Poli Sci 1	Poli Sci 2	Poli Sci 3			analysis	application	cause & effect	classification	comparison	composition	construction	description	discussion	evaluation	generalization	identification	inferance	interpretation	observation	organization	prediction	problem solving	reasoning	representation	research	summarization	synthesis	verification	Iowa Supplement	Notes
			X									X	X											On the Move	PLT	X				X			X				X														
													*			*								Pass the Plants, Please	PLT	X			X	X			X	X			X				X					X					Enrichment activity #2 encourages a field trip to a farm to see where food comes from. Enrichment activity #4 provides an opportunity to talk about different cultures and regions where food is different and unique.
X		X	X						X	*		X	X								X	X		People, Places, Things	PLT				X		X		X	X			X			X					X		X				Enrichment Activity #1 includes drawing a map of the community.
											*					*								Peppermint Beetle	PLT								X	X					X	X				X							Expand ideas here (diversity of habitats and organisms) to include diversity of societies, technologies and culture.
			X	X					X	X		X	X											Planning the Ideal Community	PLT							X	X												X			X			
			X							X		X	X											Plant a Tree	PLT									X	X								X			X				x	
			*					*					X					*				X		Plastic Jellyfish	PWA	X		X						X		X	X						X					X		x	Students can identify the good and bad aspects of plastic technology. Students can also identify how their behaviors (throwing away plastic) affect others.
		X											X											Playing Lightly on the Earth	PW	X		X		X				X	X								X	X			X				
		X	X										X									X		Pollution Search	PLT	X		X		X			X		X					X			X								
																*						*		Sounds Around	PLT	X			X	X		X	X				X			X	X										Enrichment activtiy #2 incoroporates rules. Enrichment activity #3 incorporates other cultures.
											X					X								Tale of the Sun	PLT	X				X				X					X	X											
										*	X	X	X									*		Three Cheers for Trees	PLT					X		X	X	X	X										X						Could incorporate map making. Enrichment activity #2 incorporates local governance.
		X	X	X								*	X											Too Close for Comfort	PW	X	X	X		X				X	X	X		X				X									Discussion could include why people choose to live near wildlife and what consequences that may have.
	X																			X				Tree Cookies	PLT	X	X	X			X		X	X			X	X		X						X				x	
													X											Trees as Habitats	PLT			X					X			X		X		X	X	X									
			X							*			X											Trees in Trouble	PLT	X		X		X			X		X		X	X		X			X			X				x	Students could draw a map identifying the damaged trees they found on their walk.
											X													Tropical Treehouse	PLT									X					X												
				*	*		X			X	*	*	X			X		*						Water We Eating	PWA	X				X	X			X		X		X		X			X			X		X		x	Extensions include: Identifying seafood as a resource that is found in many regions around the world, and that the fishing industry is governed by economic wants and needs.
				X	X								X											We All Need Trees	PLT	X	X		X		X				X		X	X				X				X					
										X	X													What Bear Goes Where?	PW	X	X		X	X		X	X			X	X	X		X		X			X			X	X	x	

Basic Alignment of Projects WILD, WILD Aquatic, Learning Tree activities to the Core Primary Grade Levels Social Studies Essential Concepts and Skills

Core Essential Concepts & Skills Sets																								"Project" Activity	Source	Activity Skill Development																									
Behavior 1	Behavior 2	Behavior 3	Behavior 4	Economics 1	Economics 2	Economics 3	Economics 4	Economics 5	Economics 6	Geography 1	Geography 2	Geography 3	Geography 4	History 1	History 2	History 3	History 4	History 5	History 6	History 7	Poli Sci 1	Poli Sci 2	Poli Sci 3			analysis	application	cause & effect	classification	comparison	composition	construction	description	discussion	evaluation	generalization	identification	inferance	interpretation	observation	organization	prediction	problem solving	reasoning	representation	research	summarization	synthesis	verification	Iowa Supplement	Notes
			X	*					X	X			*											What's That, Habitat	PW	X				X						X															Discussion could include what resources are needed to live and how these resources impact our lives (where we live) and the environment.
													X											Wildlife is Everywhere	PW	X				X			X			X	X			X										x	

Primary (K-2) Social Studies Essential Skills and Concepts

Behavioral Sciences (Behavior) (pgs 11-12)

#	Description
1	Understand the changing nature of society.
2	Understand all people have individual traits.
3	Understand interactions between self and the peer group.
4	Understand the relationship of the individual to the components of society and culture.

Economics (pgs 21-22)

#	Description
1	Understand the role of scarcity and economic trade-offs and how conditions impact people's lives
2	Understand that the basic nature of economics in an exchange of resources
3	Understand how governments throughout the world influence economic behavior
4	Understand people in all parts of the world trade with one another.
5	Understand that changes in technology impact individuals, the economy and society
6	Understand the universal economic concepts of needs and wants.

Geography (pgs 29-30)

#	Description
1	Understand the use of geographic tools to locate and analyze information about people, places, and environments.
2	Understand how geographic and human characteristics create culture and define regions.
3	Understand how human factors and the distribution of resources affect the development of communities and the movement of populations.
4	Understand how geographic processes and human actions modify the environment and how the environment affects humans.

History (pgs 40-42)

#	Description
1	Understand people construct knowledge of the past from multiple and various types of sources.
2	Understand how and why people create and participate in governance.
3	Understand culture and how cultural diffusion affects the development and maintenance of societies.
4	Understand individual and groups within a society may promote change or the status quo.
5	Understand economic needs and wants affect individual and group decisions
6	Understand relationship between geography and historical events
7	Understand cause and effect relationships and other historical thinking skills in order to interpret events and issues.

Political Science/Civic Literacy (Poli Sci) (pg 51)

#	Description
1	Understand the basic concepts of government and democracy and that the U.S. Constitution defines the rights and responsibilities of citizens.
2	Understand how government affects citizens affect government.
3	Understand the United States has a role in current world affairs.

**The essentials concepts and skills listed in social studies - Political Science/Civic Literacy are the same as the essential concepts and skills listed in 21st Century Skills - Civic Literacy.

Basic Alignment of Projects WILD, WILD Aquatic, Learning Tree activities to the Core Primary Grade Levels Math Skills Essential Concepts and Skills

Core Essential Concepts & Skills Sets																							"Project" Activity	Source	Activity Skill Development																									
Numbers & Operations 1	Numbers & Operations 2	Numbers & Operations 3	Numbers & Operations 4	Numbers & Operations 5	Numbers & Operations 6	Numbers & Operations 7	Algebra 1	Algebra 2	Algebra 3	Algebra 4	Geometry 1	Geometry 2	Geometry 3	Geometry 4	Geometry 5	Geometry 6	Measurements 1	Measurements 2	Measurements 3	Datat Analysis & Probability 1	Datat Analysis & Probability 2	Datat Analysis & Probability 3			analysis	application	cause & effect	classification	comparison	composition	construction	description	discussion	evaluation	generalization	identification	inferance	interpretation	observation	organization	prediction	problem solving	reasoning	representation	research	summarization	synthesis	verification	Iowa Supplement	Notes
								X												X			A Forest of Many Uses	PLT	X	X	X					X	X	X	X							X	X				X			Students could graph the number of real and imaginary animal portrayals
								*			*						*	*	*	X			Adopt a Tree	PLT			X	X	X	X		X				X			X	X	X		X				X		x	
																				X	*		And the Wolf Wore Shoes	PW	X	X		X	X										X											
*																							Aquawords	PWA	X					X										X		X				X				
																	X						Are Vacant Lots Vacant?	PLT	X				X			X	X						X	X										Studetns could count, graph and analyze the wildlife they saw.
X							X	X												X	X	X	Birds and Worms	PLT	X		X		X			X				X			X		X		X						x	
																							Energy Sleuths	PLT				X				X	X			X			X											
*																				*	*	*	Environmental Barometer	PW	X			X	X	X			X	X			X		X		X					X	X			
X																	*	*	*	*	*	*	Every Tree for Itself	PLT		X	X								X			X			X		X						x	
								X						X									Everybody Needs a Home	PW	X				X						X															Students could estimate and measure out a safe distance around an animal or nest (see Extension 1).
								X									X			X			Field, Forest, and Stream	PLT	X		X		X				X		X		X		X	X			X						x	
								X												X			First Impressions	PW	X				X			X			X	X	X							X	X			X	x	Students could count, graph and analyze number and types of wild vs. non-wild animals
X								X												X	X	X	Graphananimal	PW	X			X			X								X											Count number of words (activity asks for 100 water related words).
X	*	*						*									X	*	x	*	*	*	Grasshopper Gravity	PW	X		X	X	X			X			X	X	X		X		X		X					X		
														X									Habitracks	PW	X			X	X	X		X	X		X	X			X											
																		X	X	*			Habitrekking	PW	X	X	X		X		X	X	X		X		X	X	X				X		X		X			
								X			*						*			X		*	Have Seeds, Will Travel	PLT	X			X									X		X	X	X								x	
								*									X	X	X	X	X	*	How Big Is Your Tree?	PLT	X				X			X							X		X							X	x	
																	X			*		*	How Plants Grow	PLT	X		X								X				X	X	X									Students could graph the types of seafood, countries from which it comes, or which products they like to eat.
							*	*			*						*			*			Learning to Look	PW								X		X					X											
X																							Marsh Munchers	PWA	X		X				X			X					X							X	X		x	
								*												*		*	On the Move	PLT	X				X			X				X														
								X												X	X	X	Pass the Plants, Please	PLT	X			X	X			X	X			X				X					X					Extension #2 incorporates measurement. Students can be encouraged to look for patterns and shapes in their tree.
								X												X			Picture This!	PLT	X			X	X			X		X				X	X	X						X			x	
X								X												X	X	X	Plastic Jellyfish	PWA	X		X						X		X	X						X					X		x	
								X												X		X	Pollution Search	PLT	X		X		X			X		X					X			X								
																	X			X			Soil Stories	PLT	X						X	X				X	X		X		X			X				X		

Basic Alignment of Projects WILD, WILD Aquatic, Learning Tree activities to the Core Primary Grade Levels Math Skills Essential Concepts and Skills

Core Essential Concepts & Skills Sets																							"Project" Activity	Source
Numbers & Operations 1	Numbers & Operations 2	Numbers & Operations 3	Numbers & Operations 4	Numbers & Operations 5	Numbers & Operations 6	Numbers & Operations 7	Algebra 1	Algebra 2	Algebra 3	Algebra 4	Geometry 1	Geometry 2	Geometry 3	Geometry 4	Geometry 5	Geometry 6	Measurements 1	Measurements 2	Measurements 3	Datat Analysis & Probability 1	Datat Analysis & Probability 2	Datat Analysis & Probability 3		
							*	*			X		X							*		*	The Shape of Things	PLT
																	*		*				Too Close for Comfort	PW
								X											*	X	X	X	Trees as Habitats	PLT
								*									*			*	*	*	Trees in Trouble	PLT
								X												*	*	*	Water We Eating	PWA
														X									What's That, Habitat	PW
*								X												*	*	*	What's Wild?	PW
*								*												*	*	*	Wildlife is Everywhere	PW

"Project" Activity	Source	Activity Skill Development																								
		analysis	application	cause & effect	classification	comparison	composition	construction	description	discussion	evaluation	generalization	identification	inferance	interpretation	observation	organization	prediction	problem solving	reasoning	representation	research	summarization	synthesis	verification	Iowa Supplement	Notes
The Shape of Things	PLT				X	X			X							X	X				X						Find ways to classify and organzie the different types of transportation.
Too Close for Comfort	PW	X	X	X		X				X	X	X		X				X									
Trees as Habitats	PLT			X					X			X		X		X	X	X									Students could classify various trees based on their measurable attributes.
Trees in Trouble	PLT	X		X		X			X		X		X	X		X			X			X				x	
Water We Eating	PWA	X				X	X			X		X		X		X			X			X		X		x	Students could classify and organize the data they gathered about unhealthy trees in their neighborhood.
What's That, Habitat	PW	X				X						X															
What's Wild?	PW				X			X								X											
Wildlife is Everywhere	PW	X				X			X			X	X			X										x	

Primary (K-2) Math Essential Skills and Concepts

Numbers and Operations (pgs 15-16)

#	Description
1	Count, represent, read, compare, order and conserve (knows that the total number does not change when configured differently) whole numbers.
2	Develop understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts.
3	Express numbers as equivalent representations to fluently compose and decompose numbers (putting together and taking apart).
4	Develop fluency and quick recall of addition facts and related subtraction facts and fluency with multi-digit addition and subtraction.
5	Estimate the answer to an addition and subtraction problem before computing and determine whether the computer answer makes sense.
6	Develop an understanding of whole number relationships, including grouping in tens and ones and apply place-value concepts.
7	Understand fractional parts are equal shares or equal portions of a whole unit (a unit can be an object or a collection of things).

Algebra (pgs 17-18)

#	Description
1	Recognize, describe, create and extend repeating and growing patterns such as physical, geometric and numeric patterns and translate from one representation to another.
2	Sort, classify, and order objects by size, number and other properties.
3	Demonstrate the use of the communative and associative properties and mathematical reasoning to solve for the unknown quantity in addition and subtraction problems; justify the solution.
4	Understand equality as meaning "the same as" and use the = symbol appropriately.

Geometry (pg 19)

#	Description
1	Recognize and describe shapes and structures in the physical environment
2	Compose and decompose geometric shapes, including plane and solic figures to develop a foundation for understanding area, volume, fractions, and proportions.
3	Identify, name, sort and describe two- and three-dimensional geometric figures regardless of size or orientation.
4	Describe and specify space and location with simple relationships and with coordinate systems.
5	Experience and recognize slides, flips, turns and symmetry to analyze mathematical situations.
6	Use attributes of geometric figures to solve spatial problems.

Measurement (pg 21)

#	Description
1	Identify attributes that are measurable, such as length, weight, time and capacity, and use these attributes to order objects and make direct comparisons.
2	Estimate, measure and compute measurable attributes while solving problems.
3	Estimate and measure length using standard (customary and metric) and non-standard units with comprehension.

Data Analysis and Probability (pg 22)

#	Description
1	Collect, sort, organize, and represent data to ask and answer questions relevent to the K-2 environment.
2	Compare different representations of the same data using these types of graphs: bar graphs, frequency tables, line plots, and picture graphs.
3	Use information displayed on graphs to answer questions and make predictions, inferences and generalizations such as likely or unlikely events.

Basic Alignment of Projects WILD, WILD Aquatic, Learning Tree activities to the Core Primary Grade Levels Literacy Skills Essential Concepts and Skills

Core Essential Concepts & Skills Sets																															"Project" Activity	Source	Activity Skill Development																									
Reading 1	Reading 2	Reading 3	Reading 4	Reading 5	Reading 6	Reading 7	Reading 8	Writing 1	Writing 2	Writing 3	Writing 4	Writing 5	Writing 6	Writing 7	Writing 8	Speaking 1	Speaking 2	Speaking 3	Speaking 4	Speaking 5	Speaking 6	Speaking 7	Speaking 8	Listening 1	Listening 2	Listening 3	Viewing 1	Viewing 2	Viewing 3	Viewing 4			analysis	application	cause & effect	classification	comparison	composition	construction	description	discussion	evaluation	generalization	identification	inferance	interpretation	observation	organization	prediction	problem solving	reasoning	representation	research	summarization	synthesis	verification	Iowa Supplement	Notes
									X	X	X	*	X		X																Adopt a Tree	PLT			X	X	X	X		X				X			X	X	X		X				X		x	
			X	X	X																X			X		X		X		X	And the Wolf Wore Shoes	PW	X	X		X	X										X											
																												X			Animal Charades	PW	X	X													X											
X			X				X				X		X																		Aquawords	PWA	X					X										X		X				X				
							X																	X		X					Beautiful Basics, The	PW	X			X	X																					
							X																								Classroom Carrying Capacity	PW	X	X	X		X			X	X	X	X		X		X		X									
							X											X	X							X		X			Color Crazy	PW							X	X			X				X											
																		X			X		X	X	X						Did You Notice?	PLT					X			X	X							X				X	X					
																		X			X		X	X	X	X					Earth Manners	PLT	X	X							X		X															
																	X	X		X						X		X			Ethi-Thinking	PW	X	X	X				X	X		X	X		X					X	X				X			
							X											X	X							X		X			Everybody Needs a Home	PW	X				X						X															
																		X			X		X	X		X					Fashion a Fish	PWA	X	X	X		X	X	X				X			X									X		x	
								*	X	X	X	X			*		X	X			X		X				X	X			First Impressions	PW	X				X			X			X	X	X							X	X			X	x	After researching one of the animals, students can practice using an effective writing process for their report.
				*			X		X		X		X																		Get in Touch with Trees	PLT				X	X	X		X				X			X					X						Introduce field guides as an informational text.
							X				X	X																			Grasshopper Gravity	PW	X		X	X	X			X			X	X	X		X		X		X					X		
			X						X	X	X		X				X	X	X	X	X		X	X	X			X		*	Habitrekking	PW	X	X	X		X		X	X	X		X		X	X	X				X		X		X			If students are allowed to bring cameras on their habitrek, they can create a visual narrative of the images they saw on their trek.
X	X		X				X																								I'd Like to Visit a Place Where…	PLT					X			X				X			X											
											X		X					X			X			X							Learning to Look	PW								X		X					X											
																	X	X	X	X			X	X		X		X			Make A Coat	PW	X			X			X	X	X	X			X	X	X			X								
													*	*				X			X		X	X							Make Your Own Paper	PLT					X	X	X								X	X									x	Enrichment activity #2 encourages students to write on the paper they created!
									X	X	X				X		X	X	X		X		X	X	X	X					Nature's Recyclers	PLT	X		X			X		X	X		X	X	X		X	X	X					X				
							X				X		X																		Pass the Plants, Please	PLT	X			X	X			X	X			X				X					X					
																												X			Picture This!	PLT	X			X	X			X		X				X	X	X						X			x	
																		X			X			X		X					Plastic Jellyfish	PWA	X		X						X		X	X						X					X		x	
																	X	X			X		X			X					Playing Lightly on the Earth	PW	X		X		X				X	X								X	X			X				
																															Pollution Search	PLT	X		X		X			X		X					X			X								
							X				X		X					X			X		X	X							Schoolyard Safari	PLT	X			X				X	X					X	X											
							X		*		*		*																		Seeing is Believing	PW	X	X	X	X	X		X	X			X		X		X					X			X			Extension #1 presents a writing activity.
											X		X																		Signs of Fall	PLT	X		X	X	X			X	X			X	X		X											
			X		X	X		X	X	X				X										X	X						Sounds Around	PLT	X			X	X		X	X				X			X	X										
																															Surprise Terrarium	PW		X	X					X			X		X		X											
	X		X		X		X	*	*	*				*				X			X		X	X	X	X					Tale of the Sun	PLT	X				X				X					X	X											Extension #1 provides an opportunity for writing.
									*	*	X		X																		The Closer You Look	PLT	X				X	X						X		X	X					X						Enrichment activity #3 offers a creative writing component.
											X		X					X			X			X							The Shape of Things	PLT				X	X			X							X	X				X						
																		X			X			X		X					Thicket Game	PW	X	X	X					X			X	X			X							X				
							X		*	*	*																				To Be a Tree	PLT	X						X	X				X		X						X			X			Enrichment activity #3 offers a creative writing component.
								*	*	X	X		X	X																	Tree Cookies	PLT	X	X	X			X		X	X			X	X		X						X				x	Students may choose to write an autobiography.

Basic Alignment of Projects WILD, WILD Aquatic, Learning Tree activities to the Core Primary Grade Levels Literacy Skills Essential Concepts and Skills

Core Essential Concepts & Skills Sets																															"Project" Activity	Source	Activity Skill Development																									
Reading 1	Reading 2	Reading 3	Reading 4	Reading 5	Reading 6	Reading 7	Reading 8	Writing 1	Writing 2	Writing 3	Writing 4	Writing 5	Writing 6	Writing 7	Writing 8	Speaking 1	Speaking 2	Speaking 3	Speaking 4	Speaking 5	Speaking 6	Speaking 7	Speaking 8	Listening 1	Listening 2	Listening 3	Viewing 1	Viewing 2	Viewing 3	Viewing 4			analysis	application	cause & effect	classification	comparison	composition	construction	description	discussion	evaluation	generalization	identification	inferance	interpretation	observation	organization	prediction	problem solving	reasoning	representation	research	summarization	synthesis	verification	Iowa Supplement	Notes
							X																								Tree Lifecycle	PLT			X									X								X						
				X			X																								Trees in Trouble	PLT	X		X		X			X		X		X	X		X			X			X					
																								X	X						Tropical Treehouse	PLT									X					X												
	X		X	X			X				X		X					X			X		X	X							We All Need Trees	PLT	X	X		X		X				X		X	X				X				X					
						X	X				X		X											X		X					What's That, Habitat	PW	X				X						X															
							X																			X		X			What's Wild?	PW				X			X								X											
				*														X			X			X				*			Wildlife is Everywhere	PW	X				X			X			X	X			X										x	Extensions provide reading and viewing opportunities.

Primary (K-2) Literacy Essential Skills and Concepts

Reading (pgs 28-34)

#	Description
1	Demonstrate an understanding of written language and the relationship of letters and words to the sounds of speech.
2	Use multiple decoding strategies to read words in text.
3	Independently read a significant number of books and texts each year. This includes reading both fiction and nonfiction in a variety of genres.
4	Read for a variety of purposes and across content areas.
5	Use a variety of skills and strategies to comprehend nonfiction and informational text.
6	Use a variety of strategies and skills to comprehend and interpret fiction.
7	Read with fluency silently and aloud to support comprehension.
8	Use a variety of strategies to develop and expand reading vocabulary.

Writing (pgs 70-75)

#	Description
1	Use an effective writing process.
2	Use of knowledge of purpose, audience, format, and medium in developing written communication.
3	Apply writing strategies to communicate in a variety of genres with various audiences.
4	Use writing as a tool for learning.
5	Engage in the information literacy process: access, evaluate, and communicate information and ideas.
6	Write on demand.
7	Adhere to conventions generally established in spelling, punctuation, grammar, usage, syntax, and style appropriate to genre and writing situation.
8	Incorporate technology as a tool to enhance writing.

Speaking (pgs 95-98)

#	Description
1	Consider audience and variables in the speaking situation.
2	Produce a coherent message.
3	Participate in a variety of communication situations.
4	Use appropriate content and conventions for purpose, audience, occasion and context.
5	Demonstrate control of delivery skills.
6	Participate appropriately in one-on-one situations and group settings.
7	Recognize the role of evaluation in oral communication.
8	Recognize the role of response in oral communication.

Listening (pgs 110-111)

#	Description
1	Listen for information and understanding.
2	Listen for interpretation, analysis, and evaluation.
3	Listen to establish, maintain, and enhance relationships

Viewing (pgs 130-131)

#	Description
1	Analyze the effects of visual media on society and culture.
2	Use a range of strategies to interpret visual media.
3	Apply a variety of criteria to evaluate informational media.
4	Understand how literacy forms can be represented in visual narratives.

Basic Alignment of Projects WILD, WILD Aquatic, Learning Tree activities to the Core Primary Grade Levels 21st Century Skills Essential Concepts and Skills

Core Essential Concepts & Skills Sets

Activity Skill Development

Poli Sci 1	Poli Sci 2	Poli Sci 3	Employability 1	Employability 2	Employability 3	Employability 4	Employability 5	Financial 1	Financial 2	Financial 3	Financial 4	Financial 5	Financial 6	Health 1	Health 2	Health 3	Health 4	Health 5	Technology 1	Technology 2	Technology 3	Technology 4	Techonology 5	Technology 6	"Project" Activity	Source	analysis	application	cause & effect	classification	comparison	composition	construction	description	discussion	evaluation	generalization	identification	inferance	interpretation	observation	organization	prediction	problem solving	reasoning	representation	research	summarization	synthesis	verification	Iowa Supplement	Notes
	X							X																	A Forest of Many Uses	PLT	X	X	X					X	X	X	X							X	X				X			
																			X			X		X	Adopt a Tree	PLT			X	X	X	X		X				X			X	X	X		X				X		x	
			X	X	X																				And the Wolf Wore Shoes	PW	X	X		X	X										X											
														*											Aquawords	PWA	X					X										X		X				X				Emphasize how important water is to good health.
																			X			X			Are Vacant Lots Vacant?	PLT	X				X			X	X						X	X										Enrichment activity #1 includes technology.
			X	X				*						*	X	*									Beautiful Basics, The	PW	X			X	X																					Discuss the wants and needs involved in providing a home.
																			*					*	Bursting Buds	PLT	X		X		X			X				X			X											Enrichment activity #4 offers a technology component.
			X	X				*																	Color Crazy	PW							X	X			X				X											The need to survive creates a variety of adaptations in animals. Humans create some of the same adaptations (and some are different).
			X	X	X																				Did You Notice?	PLT					X			X	X							X				X	X					
			X	X	X														X						Earth Manners	PLT	X	X							X		X															
																			X	X			X	X	Environmental Exchange Box	PLT					X			X	X			X		X	X	X				X		X			x	
			X	X																					Ethi-Thinking	PW	X	X	X				X	X		X	X		X					X	X				X			
			X	X				*						*	X	*									Everybody Needs a Home	PW	X				X						X															Discuss the wants and needs involved in providing a home. Discuss how houses help meet wellness needs.
			X	X	X																				Fashion a Fish	PWA	X	X	X		X	X	X				X			X									X		x	
			X	X	X																				First Impressions	PW	X				X			X			X	X	X							X	X			X	x	
														X											Get in Touch with Trees	PLT				X	X	X		X				X			X					X						
								*																	Habitracks	PW	X			X	X	X		X	X		X	X			X											Discuss the wants and needs involved in providing a home.
			X	X	X																				Habitrekking	PW	X	X	X		X		X	X	X		X		X	X	X				X		X		X			
														*	*	*	*	*							I'd Like to Visit a Place Where…	PLT					X			X				X			X											During the discussion about why parks are important, students can share ideas about the role of parks in promoting health and wellness for individuals and communities.
			X	X	X																				Learning to Look	PW								X		X					X											
																			X			X	X	X	Looking at Leaves	PLT				X	X	X		X				X	X		X											See Technology connection.
			X	X	X																				Make A Coat	PW	X			X			X	X	X	X			X	X	X			X								
			X	X	X																				Make Your Own Paper	PLT					X	X	X								X	X									x	
			X	X	X														X			X		X	Nature's Recyclers	PLT	X		X			X		X	X		X	X	X		X	X	X					X				
																		*							On the Move	PLT	X				X			X				X														Could have a discussion on how biking and walking are important health habits.
														X		X	X	X	X						Pass the Plants, Please	PLT	X			X	X			X	X			X				X					X					
X	X																		X	X		X		X	People, Places, Things	PLT				X		X		X	X			X			X					X		X				See Technology connection.
														X											Peppermint Beetle	PLT								X	X					X	X				X							
																			X						Picture This!	PLT	X			X	X			X		X				X	X	X						X			x	
								X																	Planning the Ideal Community	PLT							X	X												X			X			
									X				X						X	X		X	X	X	Plant a Tree	PLT									X	X								X			X				x	
	X		X	X	X																				Plastic Jellyfish	PWA	X		X						X		X	X						X					X		x	
			X	X	X													X							Playing Lightly on the Earth	PW	X		X		X				X	X								X	X			X				
X	X																		*					*	Pollution Search	PLT	X		X		X			X		X					X			X								One enrichment activity includes taking digital pictures.
			X	X	X																X	X			Schoolyard Safari	PLT	X			X				X	X					X	X											
																			X			X		X	Soil Stories	PLT	X						X	X				X	X		X		X			X				X		See Technology connection.
	*		X	X										X					X		X				Sounds Around	PLT	X			X	X		X	X				X			X	X										Enrichment activity #2 explores community ordinaces.

Basic Alignment of Projects WILD, WILD Aquatic, Learning Tree activities to the Core Primary Grade Levels 21st Century Skills Essential Concepts and Skills

Core Essential Concepts & Skills Sets																									"Project" Activity	Source	Activity Skill Development																									
Poli Sci 1	Poli Sci 2	Poli Sci 3	Employability 1	Employability 2	Employability 3	Employability 4	Employability 5	Financial 1	Financial 2	Financial 3	Financial 4	Financial 5	Financial 6	Health 1	Health 2	Health 3	Health 4	Health 5	Technology 1	Technology 2	Technology 3	Technology 4	Techonology 5	Technology 6			analysis	application	cause & effect	classification	comparison	composition	construction	description	discussion	evaluation	generalization	identification	inferance	interpretation	observation	organization	prediction	problem solving	reasoning	representation	research	summarization	synthesis	verification	Iowa Supplement	Notes
								*																	Surprise Terrarium	PW		X	X					X			X		X		X											The need to survive creates a variety of adaptations in animals. Humans create some of the same adaptations (and some are different).
			X	X	X														*			*			Tale of the Sun	PLT	X				X				X					X	X											Enrichment activity #2 utilizes technology.
			X	X	X														X		X	X	X		The Shape of Things	PLT				X	X			X							X	X				X						The techonology connections emphasize several uses of computers and digital cameras.
			X	X	X																				Thicket Game	PW	X	X	X					X			X	X			X							X				
																			X		X	X		X	Three Cheers for Trees	PLT					X		X	X	X	X										X						
																			*				*	*	To Be a Tree	PLT	X						X	X				X		X						X			X			Enrichment activity #3 offers a technology component.
														X		X									Too Close for Comfort	PW	X	X	X		X				X	X	X		X				X									
																			*				*	*	Tree Factory	PLT	X	X						X				X		X	X					X					x	Enrichment activity #1 offers a technology component.
														X		X	X								Trees in Trouble	PLT	X		X		X			X		X		X	X		X			X			X				x	
			X	X																					Tropical Treehouse	PLT									X					X												
														*			*	*							Water We Eating	PWA	X				X	X			X		X		X		X			X			X		X		x	Emphasize that seafood can be a part of a healthy diet.
			X	X	X																				We All Need Trees	PLT	X	X		X		X				X		X	X				X				X					
			X	X				*						X	X										What's That, Habitat	PW	X				X						X															
			X	X																					What's Wild?	PW				X			X								X											
			X	X	X																				Wildlife is Everywhere	PW	X				X			X			X	X			X										x	

Primary (K-2) 21st Century Skills Essential Skills and Concepts

Political Science/Civic Literacy (Poli Sci) (pg 11)

#	Description
1	Understand the basic concepts of government and democracy and that the U.S. Constitution defines the rights and responsibilities of citizens.
2	Understand how government affects citizens affect government.
3	Understand the United States has a role in current world affairs.
	**The essentials concepts and skills listed in 21st Century Skills - Civic Literacy are the same as the essential concepts and skills listed in social studies - Polical Science/Civic Literacy.

Employability Skills (pgs 31-36)

#	Description
1	Communicate and work appropriately with others to complete tasks.
2	Recognize different roles and responsibilities and its open to change.
3	Learn leadership skills and demonstrate integrity, ethical behavior, and social responsibility
4	Develop initiative and demonstrate self-direction in activities.
5	Work productively and are accountable for their actions.

Financial Literacy (pgs 50-52)

#	Description
1	Demonstrate the ability to set goals based on wants and needs.
2	Identify monetary resources and distribution options for those resources
3	Demonstrate an understanding of the concept of credit.
4	Develop awareness that each person has an identity
5	Recognize various ways to save and the reasons individuals decide to save.
6	Distinguish between appropriate spending choices.

Health Literacy (pgs 62-64)

#	Description
1	Understand and use basic health concepts to enhance personal, famiily, and community health.
2	Understand and use interactive literacy and social skills to enhance personal, family, and community health.
3	Recognize critical literacy/thinking skills related to personal, family and community wellness.
4	Identify influences that affect personal health and the health of others.
5	Demonstrate behaviors that foster healthy, active lifestyles for individuals and the benefit of society.

Technology Literacy (pgs 78-80)

#	Description
1	Use technology to create projects, identify patterns, and make predictions.
2	Use a variety of technology tools and media-rich resources to work collaboratively with others.
3	Utilize predetermined digital resources and tools to answer questions or solve problems.
4	Use technological resources to investigate given questions or problems.
5	Understand and practice appropriate and safe uses of technology.
6	Understand basic technology hardware and software and their application

Alignment to Primary (K-2) Core Concepts and Essential Skills Content Area

		Science				Social Studies				Social Studies & 21st Century Skills	21st Century Skills			
	AFWA Core Concept	Science as Inquiry	Life Science	Earth & Space	Physical Science	Behavioral Sciences	Economics	Geography	History	Civic Literacy	Employability Skills	Financial Literacy	Health Literacy	Technology Literacy
I	**Understands the value of our natural resources as a public trust.**		4						2,3					
A	In North America many natural resources including fish and wildlife are public trust resources managed by governmental agencies.					4		2		1,2				
B	Sustainable natural resources depend on the support of an informed and responsible citizenry.									1,2				
C	Regulations are necessary for natural resources conservation.									1,2				
II	**Appreciates that conservation and management of terrestrial and water resources are essential to sustaining fish and wildlife, the outdoor landscape, and the quality of our lives.**		4											
A	The health and well-being of fish, wildlife, and humans depend on the quality of their environment.	1,2,7	3					2,3	3	3			5	1,2,3,4,5,6
B	Fish, wildlife, and plant communities can be conserved and restored through science-based management which considers the needs of humans as well as those of other species.													1,2,3,4,5,6
III	**Understands and actively participates in the stewardship and support of our natural resources.**		4			1,4				3				
A	A person's culture affects his or her view and use of fish, wildlife, and other natural resources.					3	6	2,4			3		5	
B	The distribution and abundance of natural resources including fish and wildlife provide significant economic benefits.						4	2,3						
C	Everyone impacts natural resources including fish and wildlife and their habitats. As human populations grow, impacts on natural resouces increase.						5,6	3,4	1,5		3			
D	Unlike other organisms, only humans have the capacity and responsibility to consider the effects of their actions on their environment.	1,2,7					6	4			3			
IV	**Understands and accepts and/or lawfully participates in natural resources based outdoor recreation.**		4											
A	Regulated hunting, fishing, and trapping are important tools for managing some fish and wildlife populations and habitats.													
B	Natural resources including fish and wildlife provide recreational benefits directly to participants and increase advocacy for conservation								4					
C	Responsible users of natural resource and the outdoors respect the rights and property of others													
V	**Understands and actively supports funding for natural resources conservation including fish and wildlife**		4				6							
A	Within the US, state fish and wildlife management is funded primarily through hunting, fishing and trapping licenses and through federal excise taxes collected from the sale of hunting, target shooting, and fishing equipment and motor boat fuels.									1,2				
B	Natural resource based activities, such as hunting, fishing, viewing, and photography provide people with millions of days of outdoor recreation each year and generate billions of dollars for the economy.						4							
C	The future of natural resources conservation requires additional funding from a broad-based constituency.													