

Academic Standards Connected to Eastman Nature Center Curriculum

Kindergarten

SUB	Kindergarten standard	Curriculum Units														
		Animal Structures & Functions	Animal Babies	Animal Tracking & Signs	Aquatic Life Study	Apple Cider	Astronomy	Birds: Big & Small	Habitats Study	Land Insects	Maple Syrup	Predators & Prey	Orienteering	Reptiles & Amphibians	Snowshoeing & Historical Games	Water Quality & Watersheds
SCI	0.1.1.2.1 Descriptions of Observations									•	•	•	•			
	0.2.1.1.1 Sorting & reasoning					•					•				•	
	0.3.2.2.2 Sun's heat & light											•			•	
	0.4.1.1.1 Comparing plants & animals	•	•											•		
	0.4.1.1.2 External parts of organisms	•	•		•	•		•			•	•	•	•	•	
	0.4.1.1.3 Comparing living & non-living										•					
	0.4.2.1.1 Components in a system						•								•	
MATH	0.1.1.3 Count with & without objects					•						•				
	0.3.1.2 Sort objects w/ varying shape, size, color & thickness												•			
	0.3.2.1 Use words to compare objects											•		•		
SOC	0.2.1.1.2 Goods & Services					•						•				
	0.4.2.4.1 Compare family traditions										•					

Academic Standards Connected to Eastman Nature Center Curriculum

1st Grade

SUB	1st grade standard	Curriculum Units													
		Animal Structures & Functions	Animal Tracking & Signs	Apple Cider	Aquatic Life Study	Astronomy	Birds: Big & Small	Habitats Study	Land Insects	Maple Syrup	Plant Structures & Fall Functions	Predators & Prey	Reptiles & Amphibians	Snowshoeing & Historical Games	Water Quality & Watersheds
SCI	1.1.1.1 Observations for questions	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	1.1.1.2 Description & comparison		•					•			•				•
	1.1.3.1.1 Parts in natural things								•						•
	1.4.1.1.1 Characteristics & behaviors	•	•		•		•		•	•			•	•	•
	1.4.2.1.1 Animal needs							•		•					•
	1.4.2.1.2 Habitat & needs								•						•
	1.4.3.1.1 Animal life cycle	•			•		•			•					•
	1.4.3.1.2 Life cycles for offspring	•			•		•			•					•
MATH	1.1.1.3 Count forward & backward up to 120				•						•				•
	1.1.1.7 Create & analyze bar & tally graphs						•			•					•
	1.3.2.1 Measure the length of an object								•			•			•
SOC	1.4.1.2.2 Use records to describe past events					•					•				•
	1.4.2.4.2 Past & present technologies										•				•

Academic Standards Connected to Eastman Nature Center Curriculum 2nd Grade

SUB	2nd grade standard	Curriculum Units													
		Animal Structures & Functions	Animal Tracking & Signs	Apple Cider	Aquatic Life Study	Birds: Big & Small	Astronomy	Habitats Study	Land Insects	Maple Syrup	Predators & Prey	Orienteering	Reptiles & Amphibians	Water Quality & Watersheds	Survival Challenge
SCI	2.1.1.2.1 Questions to observations					•		•		•					
	2.1.2.2.3 Benefits of engineered items									•				•	
	2.2.1.1.1 Properties of objects												•		
	2.2.1.2.1 States of water								•		•				
	2.2.2.1.1 Describing position					•		•		•					
	2.2.2.1.2 Variety of motions				•	•		•		•			•		
	2.2.2.2.1 Forces making objects move														•
	2.2.2.2.2 Falling objects & forces														•
	2.3.2.2.1 Recording weather conditions										•				•
	2.4.1.1.1 Plant characteristics									•		•			
	2.4.2.1.1 Plant needs				•					•		•			
	2.4.3.1.1 Plant life cycles				•							•			
MATH	2.3.2.2 Demonstrate understanding of how a ruler works										•				
SOC	2.2.1.1.1 Make the best choice													•	
	2.3.1.1.2 Locate main map features											•			•
	2.3.1.1.3 Find places on maps										•				
	2.3.4.9.1 Human/environment impact										•			•	•
	2.4.1.2.1 Records & artifacts share people's lives					•					•			•	

Academic Standards Connected to Eastman Nature Center Curriculum 3rd Grade

SUB	3rd grade standard	Curriculum Units													
		Animal Structures & Functions	Animal Tracking & Signs	Apple Cider	Aquatic Life Study	Birds: Big & Small	Astronomy	Habitats Study	Land Insects	Maple Syrup	Orienteering	Predators & Prey	Reptiles & Amphibians	Water Quality & Watersheds	Survival Challenge
SCI	3.1.1.1 Evidence to support claims														
	3.1.1.2.1 Questions for investigations	•	•			•								•	
	3.1.1.2.3 Observations & inferences														•
	3.1.1.2.4 Explanations from evidence			•		•		•			•	•	•		•
	3.1.3.2.1 Use of evidence			•							•			•	•
	3.1.3.4.1 Tools to improve observations			•				•		•				•	•
	3.3.3.1.1 Sun observations						•								•
	3.3.3.2.1 Apparent size of light sources							•							•
	3.3.3.2.2 Orbits of planets & the moon							•							•
	3.4.1.1.1 Structures & functions	•	•	•	•	•		•		•	•	•	•	•	•
	3.4.1.1.2 Groups of plants & animals	•	•	•		•		•		•	•	•	•	•	•
	3.4.3.2.1 Inherited similarities	•	•												•
	3.4.3.2.2 Differences & survival		•												•
MATH	3.3.2.3 Measure distances around objects										•				•
	3.3.3.4 Use a thermometer to measure temperature													•	•
	3.4.1.1 Collect, display & interpret data							•		•					•
SOC	3.3.1.1.1 Use maps w/ location concepts											•			
	3.3.1.1.2 Create & use maps										•				
	3.4.1.3.1 Inventions change lives				•						•			•	
	3.4.3.9.1 Compare daily life												•		

Academic Standards Connected to Eastman Nature Center Curriculum 4th Grade

SUB	4th grade standard	Curriculum Components												
		Animal Structures & Functions	Animal Tracking & Signs	Apple Cider	Aquatic Life Study	Birds: Big & Small	Astronomy	Habitats Study	Land Insects	Maple Syrup	Predators & Fall Functions	Reptiles & Amphibians	Water Quality & Watersheds	Survival Challenge
SCI	4.1.2.1.1 Impact of designed world							•				•	•	
	4.1.2.2.1 ID & investigate design solutions											•	•	
	4.1.2.2.2 Ideas & constraints for problem solving											•	•	
	4.1.2.2.3 Test & evaluate solutions											•	•	
	4.1.3.3.1 Invention leads to new inventions									•				
	4.2.1.1.1 Measurement, tools & units												•	•
	4.2.1.2.1 Comparing states of matter													•
	4.2.1.2.2 Changes of state							•	•					•
	4.2.3.1.1 Transfer of heat energy			•									•	
	4.2.3.1.3 Conductors & insulators			•									•	
	4.2.3.2.1 Generating heat energy												•	
	4.3.1.3.1 Rocks & their minerals							•	•					
	4.3.1.3.2 Properties of minerals							•						
	4.3.2.3.1 Water cycle													•
	4.3.4.1.1 Water supplies & uses													•
MATH	4.3.2.1 Measure angles										•			
SOC	4.3.1.1.1 Mapping										•			
	4.3.1.1.2 Use latitude & longitude										•			
	4.3.4.9.1 Human modification & environment							•				•	•	

Academic Standards Connected to Eastman Nature Center Curriculum 5th Grade

SUB	5th grade standard	Curriculum Components													
		Animal Structures & Functions	Animal Tracking & Signs	Apple Cider	Aquatic Life Study	Birds: Big & Small	Astronomy	Habitats Study	Land Insects	Maple Syrup	Predators & Prey	Reptiles & Amphibians	Survival Games	Water Quality & Watersheds	Winter Weather
SCI	5.1.1.1.2 Replication investigations													•	•
	5.1.1.1.4 Models for phenomena													•	•
	5.1.1.2.1 Planning investigations													•	•
	5.1.1.2.2 Collecting relevant evidence													•	•
	5.1.1.2.3 Critiquing an experiment													•	•
	5.1.3.2.1 Influence of traditions													•	
	5.1.3.4.1 Tools for data								•			•			•
	5.1.3.4.2 Creating & analyzing maps										•				•
	5.3.1.2.1 Rocks to soil									•					•
	5.3.1.2.2 Processes & Earth's surface									•					•
	5.3.4.1.1 Renewable vs. non-renewable									•					•
	5.3.4.1.2 Mineral & energy resources									•					•
	5.4.1.1.1 Structures & survival	•			•					•			•	•	
	5.4.2.1.1 Relations in living systems				•					•					•
	5.4.2.1.2 Changes in natural systems									•					•
	5.4.4.1.1 Humans & natural systems									•					•

Academic Standards Connected to Eastman Nature Center Curriculum 6th Grade

SUB	6th grade standard	Curriculum Units													
		Animal Structures & Functions	Animal Tracking & Signs	Apple Cider	Aquatic Life Study	Birds: Big & Small	Astronomy	Habitats Study	Land Insects	Maple Syrup	Predators & Prey	Reptiles & Amphibians	Survival Games	Water Quality & Watersheds	Winter Weather
SCI	6.1.2.1.1 Impact of engineered systems							•					•		
	6.1.2.1.3 Trade-offs in technologies												•		
	6.1.3.1.1 Subsystem within systems							•							•
	6.1.3.1.2 Open vs. closed systems								•						•
	6.1.3.4.1 Investigating systems								•						•
	6.2.1.1.1 Particle model														•
	6.2.1.2.1 Evidence of physical change														•
	6.2.1.2.2 Conservation of mass														•
	6.2.1.2.3 Heat & particle motion														•
Math	6.3.2.1 Angles									•					
SOC	6.3.3.6.1 Physical features influence settlement patterns									•					