

Academic Standards Connected to Richardson Nature Center Curriculum

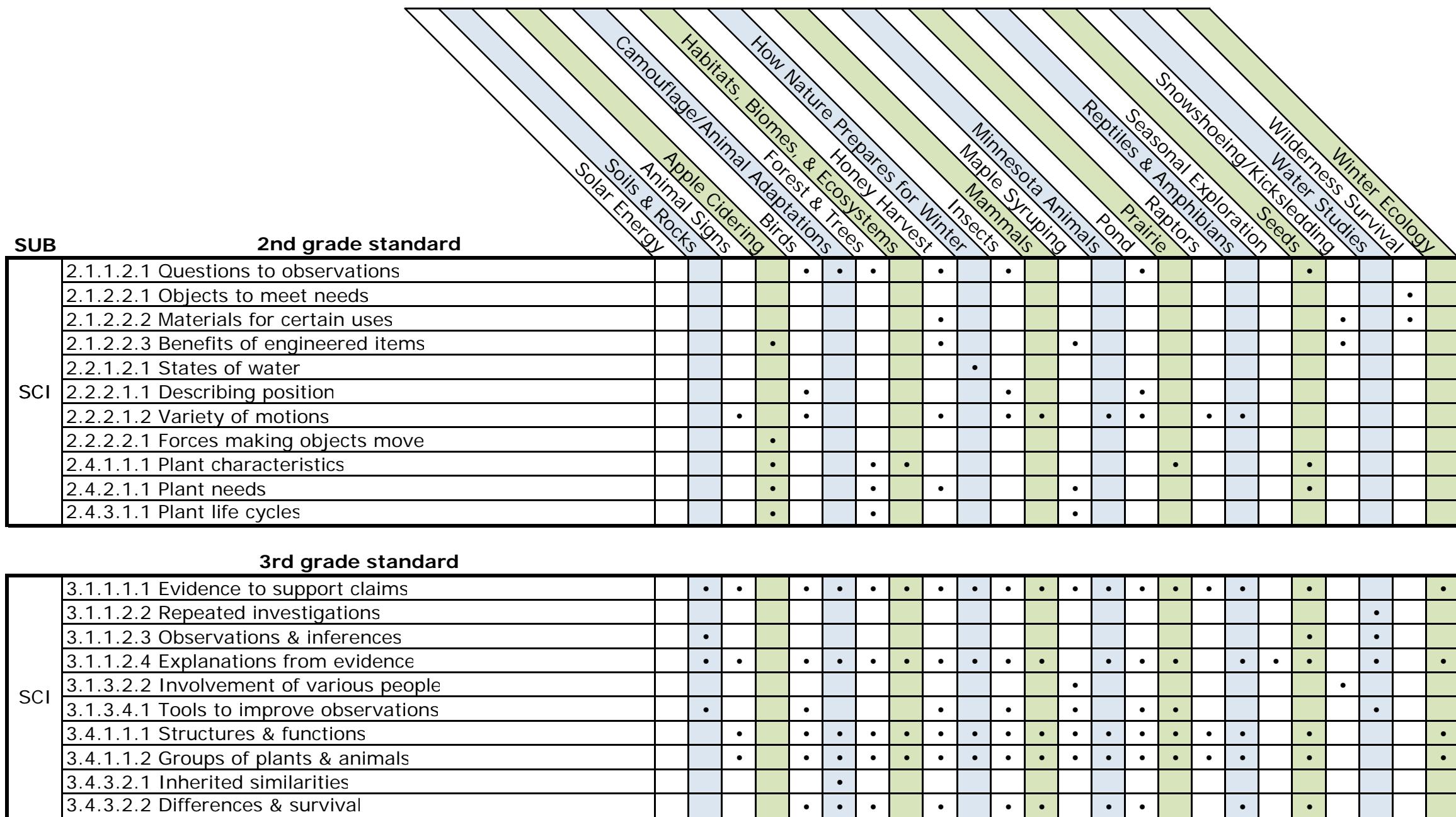
Kindergarten

SUB		Kindergarten standard	Curriculum Topics																		
			Habitats, Biomes, & Ecosystems	How Nature Prepares for Winter	Honey Harvest	Forests & Trees	Birds	Insects	Mammals	Minnesota Animals	Maple Syruping	Pond	Reptiles & Amphibians	Raptors	Prairie	Snowshoeing/Kicksledding	Seeds	Seasonal Explorations	Wilderness Survival	Water Studies	Winter Ecology
SCI	0.1.1.2.1 Descriptions of observations																				
	0.1.2.1.1 Nature vs. non-nature				•																
	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 organism					•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	0.4.1.1.3 Comparing living & nonliving				•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	0.4.2.1.1 Components in a system				•												•	•			•
LA	0.6.8.8 Recall information from experiences to answer a question		•	•				•	•							•	•	•	•	•	•
SS	0.1.1.1.1 Demonstrate civic skills in a classroom																				

SUB		1st grade standard	Curriculum Topics																		
			Habitats, Biomes, & Ecosystems	How Nature Prepares for Winter	Honey Harvest	Forests & Trees	Birds	Insects	Mammals	Minnesota Animals	Maple Syruping	Pond	Reptiles & Amphibians	Raptors	Prairie	Snowshoeing/Kicksledding	Seeds	Seasonal Explorations	Wilderness Survival	Water Studies	Winter Ecology
SCI	1.1.1.1.1 Observations for questions		•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	1.1.1.1.2 Description and comparisons		•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	1.1.3.1.1 Parts in natural things				•	•	•	•							•	•	•		•	•	•
	1.1.3.2.1 Tools for solving problems					•														•	•
	1.3.1.3.1 Classifying rocks (color, shape, size)		•																		
	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						•										•	•			
	1.4.3.1.1 Life cycles for offspring							•									•	•			

Academic Standards Connected to Richardson Nature Center Curriculum

2nd & 3rd Grade



Academic Standards Connected to Richardson Nature Center Curriculum

4th Grade

SUB	4th grade standard	Curriculum Units																	
		Habitats, Biomes, & Ecosystems	How Nature Prepares for Winter	Honey Harvest	Minnesota Animals	Maple Syruping	Insects	Mammals	Pond	Reptiles & Amphibians	Raptors	Snowshoeing/Kicksledding	Seasonal Explorations	Seeds	Wilderness Survival	Water Studies	Winter Ecology		
SCI	4.1.2.1.1 Impact of designed world				•											•	•	•	
	4.1.2.2.1 ID & 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 Tools & units					•											•		
	4.2.1.2.2 Changes of state						•											•	
	4.2.3.1.1 Transfer of heat energy	•																•	
	4.2.3.1.3 Conductors and insulators	•						•										•	
	4.2.3.2.1 Generating heat energy	•						•										•	
	4.2.3.2.2 Simple electrical circuit	•																	
	4.3.1.3.1 Rocks & their minerals		•																
	4.3.2.3.1 Water cycle															•			
	4.3.4.1.1 Water supplies & uses															•			

Academic Standards Connected to Richardson Nature Center Curriculum 6th, 7th & 8th Grades

7th grade standard

8th grade standard