

National Science Education Content Standards

Lessons from the Flathead Reservation

Grade Level	Kindergarten			Grade 1			Grade 2			Grade 3			Grade 4							
Lesson Title	Music from a Tree	Tree Anatomy	What's in a Tree?	What's in the Forest?	My Book of Trees	People of the Red Willow	The Great Cedar Tree	Traditional Uses of Wood	Every Tree Tells a Story	Hold Your Ground	The Kootenai Canoe	Who Needs the Forest?	After the Fire	For the Birds	Give Me Some Air!	Names Upon the Mountains	Adapted to Fire	Forests and Photosynthesis	Pollution Solution	You Decide
Unifying Concepts and Processes																				
Systems, order, and organization				X			X						X	X	X			X	X	
Evidence, models, and explanation						X					X									
Change, constancy, and measurement									X											
Evolution and equilibrium																				
Form and function					X															
Science as Inquiry																				
Abilities necessary to do scientific inquiry	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X
Understandings about scientific inquiry																				
Physical Science																				
Properties of objects and materials		X			X	X		X			X									
Position and motion of objects																				
Light, heat, electricity, and magnetism																				
Life Science																				
Characteristics of organisms					X							X								
Life cycles of organisms													X				X			
Organisms and environments				X			X		X	X		X	X	X	X		X	X	X	
Earth and Space Science																				
Properties of earth materials	X	X								X										
Objects in the sky																				
Changes in earth and sky									X								X	X		
Science and Technology																				
Abilities of technological design	X		X			X					X									
Understanding about science and technology			X			X														
Abilities to distinguish between natural objects and objects made by humans																				
Science in Personal and Social Perspectives																				
Personal health																				
Characteristics and changes in populations																				
Types of resources	X						X	X				X				X				
Changes in environments							X			X		X	X		X		X		X	X
Science and technology in local challenges						X		X	X		X		X	X						X
History and Nature of Science																				
Science as a human endeavor		X						X			X		X							X