Sort Order	**9th-12th Grade Science High School Grade Level Content Expectations** *(X =fufills expectation, 0=partially fulfills expectation)*	We're in This Together (pg.44-45, 9-12)	Carrying Capacity (pg. 46-48, 9-12)	Birds of Prey (pg. 111-113, 9-12)	Forest in a Jar (pg. 137-139, 9-12)	Bottleneck Genes(pg.172-176, 9-12)	Arctic Survival (pg. 234-242,9-12)	Back from the Brink (pg. 355-363, 9-12)	Philisophical Differences (pg. 364-366, 9-12)	Turkey Trouble (pg. 367-368, 9-12)	From Bison to Bread: The American Prairie (pg. 395-405,9-12)	Bird Song Survey (pg. 406-408, 9-12)
1	**Biology (B)**											
	STANDARD E/B1 Inquiry, Reflection, and Social Implications											
2	*E/B1.1 Scientific Inquiry*	O	O	O			O			O	O	O
3	*E/B1.2 Scientific Reflection and Social Implications*	X	O	O	O		O	O	O	O	O	O
4												
5	STANDARD B2 Organization and Development of Living Systems											
6	*B2.1 Transformation of Matter and Energy in Cells*											
7	*B2.2 Organic Molecules*											
8	*B2.3 Maintaining Environmental Stability*											
9	*B2.4 Cell Specialization*											
10	*B2.5 Living Organism Composition*											
11												
12	STANDARD B3 Interdependence of Living Systems and the Environ.											
13	*B3.1 Photosynthesis and Respiration*											
14	*B3.2 Ecosystems*		O	O	X		O					
15	*B3.3 Element Recombination*											
16	*B3.4 Changes in Ecosystems*	O	O	O	O	O	O					
17	*B3.5 Populations*		O	O	O	O	O			O	O	
18												
19	STANDARD B4 Genetics											
20	*B4.1 Genetics and Inherited Traits*					O						
21	*B4.2 DNA*											
22	*B4.3 Cell Division – Mitosis and Meiosis*											
23	STANDARD B5 Evolution and Biodiversity											
24	*B5.1 Theory of Evolution*											
25	*B5.2 Molecular Evidence*											
26	*B5.3 Natural Selection*			O		X		O				
27												
28												
29	**Earth Science (E)**											
30	STANDARD E2 Earth Systems											
31	*E2.1 Earth Systems Overview*											
32	*E2.2 Energy in Earth Systems*		O		O		O					
33	*E2.3 Biogeochemical Cycles*											
34	*E2.4 Resources and Human Impacts on Earth Systems*	O					O	O	O			
35												
36	STANDARD E3 Solid Earth											
37	*E3.1 Advanced Rock Cycle*											
38	*E3.2 Interior of the Earth*											
39	*E3.3 Plate Tectonics Theory*											
40	*E3.4 Earthquakes and Volcanoes*											
41												
42	STANDARD E4 Fluid Earth											
43	*E4.1 Hydrogeology*											
44	*E4.2 Oceans and Climate*											
45	*E4.3 Severe Weather*											
46												
47	STANDARD E5 Earth in Space and Time											
48	*E5.1 The Earth in Space*											
49	*E5.2 The Sun*											
50	*E5.3 Earth History and Geologic Time*											
51	*E5.4 Climate Change*											