Sort Order	**GRADE 5-8 Science Grade Level Content Expectations,** (X =fufills expectation, 0=partially fulfills expectation)	Interview a Spider (pgs.12-14)	Habitat Rummy (pgs. 14-18)	Bearly Growing (pgs. 19-22)	How Many Bears Can Live in This Forest? (pgs. 23-27)	My Kingdom for a Shelter (pgs. 28-29)	Tracks! (pgs. 30-33)	Spider Web Geometry (pgs. 34-35)	Oh Deer! (pgs. 36-40)	Wild Words (pgs. 41-43)	Habitat Lap Sit (pgs. 61-63)	Who Fits Here? (pgs. 64--65)	What Niche (pgs. 66-67)	What Did Your Lunch Cost Wildlife? (pgs. 68-69)	Urban Nature Search (pgs. 70-72)	Muskox Maneuvers (pgs 133-136)
1	**Science Processes (S)**															
2	*Inquiry Process (IP)*	x	o	x	x	o	o	x	x	o	o	o	o	x	x	o
3	*Inquiry Analysis and Communication (IA)*	x	o	x	o	o	o	o	x	o	o	o	o	x	x	o
4	*Reflection and Social Implications (RS)*	o		o	o	o	o	o	x	o	o	o	o	x	x	o
5	**Physical Science (P)**															
6	*Force and Motion (FM)*															
7	Force Interactions															
8	Force															
9	Speed															
11	*Energy (EN)*															
12	Kinetic and Potential Energy															
13	Energy Transfer															
14	Waves and Energy															
15	Solar Energy Effects															
16	*Properties of Matter (PM)*															
17	Chemical Properties															
18	Elements and Compounds															
19	*Changes in Matter (CM)*															
20	Chemical Changes															
21	Changes in State															
22	**Life Science (L)**															
23	*Organization of Living Things (OL)*	o	o	o	o	o		x	x	o	o	o	x		x	o
24	Animal Systems	o						o				o	o			o
25	Producers, Consumers, and Decomposers	o						x	o		o		x	o	o	o
26	Cell Functions															
27	Growth and Development															
28	Photosynthesis															
29	*Heredity (HE)*	o		o	o							x	o		o	o
30	Inherited and Aquired Traits			o	o				o			x	o		x	o
31	Reproduction			x	x											o
32	*Evolution (EV)*	o	o	o		o	o	o			o	x	o	o	o	o
33	Species Adaptation and Survival			o	x	o	o	o	o		o	x	o	o	o	x
34	Relationships of Organisms						x	o				x				
35	*Ecosystems (EC)*		o	o		o	o	x	x	o	x	x	x	x	x	o
36	Interactions	o		x	x	x	o	x	x	o	x	x	x	x	x	o
37	Relationships of Organisms		x	x	o	o	o	x	o		x	o	o	x	x	o
38	Biotic and Abiotic Factors	o	o		x	o	o	x	x		x	x	o	x	x	o
39	Environmental Impact of Organismas	o	x			o		x	x	o	x	o	o	x	x	o
40	**Earth Science (E)**	o	o													
41	*Earth Systems (ES)*															
42	Seasons															
43	Solar Energy															
44	Weather and Climate															
45	Human Consequences				x	o		o	x		x	o	o	x	x	
46	Water Cycle															
47	*Solid Earth (SE)*															
48	Soil															
49	Rock Formation															
50	Plate Tectonics															
51	Magnetic Field of Earth															
52	*Fluid Earth (FE)*															
53	Atmosphere															
54	*Earth in Space and Time (ST)*															
55	Solar System															
56	Solar System Motion															
57	Fossils															
58	Geologic Time															

Sort Order	**GRADE 5-8 Science Grade Level Content Expectations,** (X =fufills expectation, 0=partially fulfills expectation)	Move Over Rover (pgs. 144-151) Grades 5-6	Planting Animals (pgs. 152-153)	Here Today, Gone Tomorrow (pgs. 154-157) Grades5-8	Ecosystem Facelift (pgs. 158-163) Grades 7-8	Time Lapse (pgs. 164-171)	Museum Search For Wildlife (pgs. 182-183)	Saturday Morning Wildlife Watching (pgs. 184-185)	Wildlife in National Symbols (pgs. 186-187)	Prairie Memoires (pgs. 188-191)	Cartoons and Bumper Stickers (pgs. 194-195)	The Power of a Song (pgs. 196-198)	For Your Eyes Only (pgs. 199-204)	Ethi-Reasoning (pgs. 205-209)	What you Wear is What they Were (pgs. 210-212)	Does Wildlife Sell (pgs. 213-215)
1	**Science Processes (S)**															
2	*Inquiry Process (IP)*	o	o	x	x	o	o	o					o	o	o	
3	*Inquiry Analysis and Communication (IA)*	x	x	x	x	x	o	o	o	o			o	o	o	o
4	*Reflection and Social Implications (RS)*	o	o	x	x	o	o	o	o	o	o	o	o	o	o	o
5	**Physical Science (P)**															
6	*Force and Motion (FM)*															
7	Force Interactions															
8	Force															
9	Speed															
11	*Energy (EN)*															
12	Kinetic and Potential Energy															
13	Energy Transfer															
14	Waves and Energy															
15	Solar Energy Effects															
16	*Properties of Matter (PM)*															
17	Chemical Properties															
18	Elements and Compounds															
19	*Changes in Matter (CM)*															
20	Chemical Changes															
21	Changes in State															
22	**Life Science (L)**															
23	*Organization of Living Things (OL)*	o	o		o	o		o		o						
24	Animal Systems							o		o						
25	Producers, Consumers, and Decomposers	o								o						
26	Cell Functions									o						
27	Growth and Development									x						
28	Photosynthesis															
29	*Heredity (HE)*				o	o									o	
30	Inherited and Aquired Traits					o										
31	Reproduction				o											
32	*Evolution (EV)*	o	o	o		o			o							
33	Species Adaptation and Survival	o	o	o		o			o							
34	Relationships of Organisms		o													
35	*Ecosystems (EC)*	x	x	x		x	o								o	
36	Interactions	x	x	x		x	o								o	
37	Relationships of Organisms	o	o	o		o									o	
38	Biotic and Abiotic Factors	x	x	o		x										
39	Environmental Impact of Organismas	o	o	x		x					o	o	o	o	o	o
40	**Earth Science (E)**															
41	*Earth Systems (ES)*															
42	Seasons															
43	Solar Energy															
44	Weather and Climate															
45	Human Consequences	o		x	o	o				x	o	o	o	o	x	o
46	Water Cycle															
47	*Solid Earth (SE)*															
48	Soil															
49	Rock Formation															
50	Plate Tectonics															
51	Magnetic Field of Earth															
52	*Fluid Earth (FE)*															
53	Atmosphere															
54	*Earth in Space and Time (ST)*															
55	Solar System															
56	Solar System Motion															
57	Fossils															
58	Geologic Time															

Sort Order	**GRADE 5-8 Science Grade Level Content Expectations,** (X =fufills expectation, 0=partially fulfills expectation)	Pay to Play (pgs. 216-233)	Lobster in Your Lunch Box (pgs. 245-247)	Let's Talk Turkey (pgs. 248-252)	Wildlife Bibliography (pgs. 253-254)	Changing Societies (pgs. 255-263) Grades 7-8	Changing Attitudes (pgs. 264-266)	History of Wildlife Management (pgs. 267-269)	Animal Poetry (pgs. 282-284)	Drawing on Nature (pgs. 285-286)	The Hunter (pgs. 287-296) Grades5-8	Hazardous Links, Possible Solutions (pgs. 303-306) Grades 7-8	No Water Off a Duck's Back (pgs. -309)	Migration Barriers (pgs. 310-311)	Shrinking Habitat (pgs. 314-317)	Smokey Bear Said What? (pgs. 318-320)
1	**Science Processes (S)**															
2	*Inquiry Process (IP)*		o	o	o	o	o	o	o	o	o	o	x	o	o	o
3	*Inquiry Analysis and Communication (IA)*		o	o	o	o	o	o	o	o	o	x	x	x	x	x
4	*Reflection and Social Implications (RS)*	o	o	o	o	o	o	o	o	o	o	o	o	o	o	x
5	**Physical Science (P)**															
6	*Force and Motion (FM)*															
7	Force Interactions															
8	Force															
9	Speed															
11	*Energy (EN)*															
12	Kinetic and Potential Energy															
13	Energy Transfer															
14	Waves and Energy															
15	Solar Energy Effects															
16	*Properties of Matter (PM)*															
17	Chemical Properties															
18	Elements and Compounds															
19	*Changes in Matter (CM)*															
20	Chemical Changes															
21	Changes in State															
22	**Life Science (L)**															
23	*Organization of Living Things (OL)*		o	o	o	o					o	o	o	o	o	
24	Animal Systems															
25	Producers, Consumers, and Decomposers		o	o	o						o			o	o	
26	Cell Functions															
27	Growth and Development															
28	Photosynthesis															
29	*Heredity (HE)*													o	o	
30	Inherited and Aquired Traits													o	o	
31	Reproduction															
32	*Evolution (EV)*			o									o	o	o	
33	Species Adaptation and Survival			o									o	o	o	
34	Relationships of Organisms									o						
35	*Ecosystems (EC)*	o	o	o	o		o	o	o	o	o		o	x	x	o
36	Interactions	o	o	x	x		o	o	o	o	o		o	x	x	o
37	Relationships of Organisms		o	o	o		o	o	o	o	o		o	o	o	o
38	Biotic and Abiotic Factors		o								o		o	x	x	o
39	Environmental Impact of Organismas	o	o	o	o		o	o	o	o	o		x	x	x	o
40	**Earth Science (E)**															
41	*Earth Systems (ES)*															
42	Seasons															
43	Solar Energy															
44	Weather and Climate															
45	Human Consequences	o	o	o	o	o	o	o	o	o	o	x	x	o	o	o
46	Water Cycle															
47	*Solid Earth (SE)*															o
48	Soil															o
49	Rock Formation															
50	Plate Tectonics															
51	Magnetic Field of Earth															
52	*Fluid Earth (FE)*															
53	Atmosphere															
54	*Earth in Space and Time (ST)*															
55	Solar System															
56	Solar System Motion															
57	Fossils															
58	Geologic Time															

Sort Order	**GRADE 5-8 Science Grade Level Content Expectations,** (X =fufills expectation, 0=partially fulfills expectation)	Noisy Neighbors (pgs. 321-322)	Flip the Switch for Wildlife (pgs. 323-324) Grade 5-8	To Zone or not to Zone (pgs. 325-329)	World Travelers (pgs. 334-338)	Rare Bird Eggs for Sale (pgs. 339-341)	Pro and Con: Consumptive and Nonconsumptive Uses of Wildlife (pgs. 342-	Riparian Zone (pgs. 345-348)	Changing the Land (pgs. 349-356) Grades 6-8	Career Critters (pgs. 371-384) Grades 5-6	Wildwork (pgs. 385-386)	Checks and Balances (pgs. 387-391)	Litter We Know (pgs. 434- 435)	Planning for People and Wildlife (pgs. 443-446)	Improving Wildlife Habitat in the Community (pgs. 447-449)	Enviro-Ethics (pgs 450-452)
1	**Science Processes (S)**															
2	*Inquiry Process (IP)*	x	x	o	x	o	o	o	x	x	o	o	o	x	x	o
3	*Inquiry Analysis and Communication (IA)*	x	o	o	x	o	o	o	x	o	o	o	o	x	o	x
4	*Reflection and Social Implications (RS)*	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
5	**Physical Science (P)**															
6	*Force and Motion (FM)*															
7	Force Interactions															
8	Force															
9	Speed															
11	*Energy (EN)*	o	o													
12	Kinetic and Potential Energy															
13	Energy Transfer															
14	Waves and Energy	o														
15	Solar Energy Effects		o													
16	*Properties of Matter (PM)*															
17	Chemical Properties															
18	Elements and Compounds															
19	*Changes in Matter (CM)*															
20	Chemical Changes															
21	Changes in State															
22	**Life Science (L)**															
23	*Organization of Living Things (OL)*		o	o	o			o		o		o		o	o	o
24	Animal Systems															
25	Producers, Consumers, and Decomposers											o			o	
26	Cell Functions															
27	Growth and Development															
28	Photosynthesis															
29	*Heredity (HE)*				o	o						o				
30	Inherited and Aquired Traits				o							o				
31	Reproduction				o	o										
32	*Evolution (EV)*	o		o	o			o		o		o				
33	Species Adaptation and Survival	o		o	o			o		o		o				
34	Relationships of Organisms															
35	*Ecosystems (EC)*	x	o	x	x	o	x	x	x	x	o	o	o	x	x	x
36	Interactions	x	o	x	x	o	x	x	x	x	o	o	o	x	x	x
37	Relationships of Organisms	o	o	o	x	o	o	x	o	o	o	o	o	o	o	o
38	Biotic and Abiotic Factors	x	o	x	x	o	o	x	x	x	o	o	o	x	x	o
39	Environmental Impact of Organismas	x	x	x	x	x	x	x	x	x	o	o	x	x	x	x
40	**Earth Science (E)**															
41	*Earth Systems (ES)*		o													
42	Seasons															
43	Solar Energy		o													
44	Weather and Climate															
45	Human Consequences	o	o	o	o	o	o	o	o			o	o	o	o	o
46	Water Cycle															
47	*Solid Earth (SE)*															
48	Soil															
49	Rock Formation															
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