Science

Brunswick School Department Grade 2 Animals

	 Animals can be classified by their characteristics.
Essential	 Animals depend upon one another and their environment.
Understandings	 Living things change over time.
	How are animals similar and different?
Essential	How are animals classified?
Questions	How do animals adapt to their environment?
	How do animals depend on their environment for survival?
	How do living things change over time?
	• Understand the characteristics of each animal group:
	 Amphibians: cold blooded, moist skin, breathe with gills and
	then develop lungs, metamorphosis, hatch from eggs
	 Arthropods: exoskeleton, a segmented body, jointed legs,
	no backbone, cold blooded
	 Birds: backbone, warm blooded, wings, breathe with lungs,
	hatch from eggs, beak, two legs, feathers
	 <u>Fish</u>: backbones, breathe with gills, have fins, covered with
	scales, hatch from eggs, cold blooded
	 Mammals: warm blooded, covered with fur/hair, born live,
	breathe with lungs, have backbones, nurse their young
	Reptiles: scales, cold blooded, breathe with lungs, back
Farantial	bone, hatch from eggs
Essential	Understand the lifecycle of each animal group: Amphibianal agg tadpala adult
Knowledge	o Amphibians: egg, tadpole, adult
	 Arthropods: varies egg larvae pupae adult (butterfly ant moth)
	ogg, iai vao, papao, adait (battorily, artt, motil)
	egg, egg sac, spiderling, adult
	 Birds: egg, baby, adult Fish: egg, fry, adult
	o Mammals: baby, young, adult
	o Reptiles: egg, baby, adult
	 Animals depend on their habitat for survival.
	 Changes in habitat affect animals.
	 Fossils can tell us about the animals that lived in the past,
	conditions of the habitat, climate, etc.
	■ Terms:
Vocabulary	o characteristics, classified, environment, similar, different,
	survival, amphibian, bird, fish, arthropod, mammal, reptile,
	metamorphosis, exoskeleton, fossil, larvae, pupae
	 Describe the characteristics of an animal group.
Essential	 Compare and contrast animals and animal groups.
Skills	 Describe the stages in a life cycle
	Identify ways in which animals depend upon the environment.

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	Publications:	
	o Amphibians:	
	Can You Find Me? A Book About Camouflage -	
	Jennifer Dewey	
	Frogs - Robin Dexter	
	 Good Morning, Pond - Alyssa Satin Capucilli 	
	<u>The Salamander Room</u> - Anne Mazer	
	Very First Things to Know About Frogs - Patricia	
	Grossman	
	Arthropods:	
	 Becoming Butterflies - Anne Rockwell 	
	 <u>Bugs</u> - Anne Rockwell 	
	 <u>From Caterpillar to Butterfly</u> – D. Heiligman 	
	 Insects Are My Life - Megan McDonald 	
	■ <u>The Very Quiet Cricket</u> - Eric Carle	
0	 Waiting For Wings - Lois Ehlert 	
Sample	o <u>Birds</u> :	
Resources	All About Owls - Jim Arnosky Boby Birds - Joyan Dynhor	
	 <u>Baby Birds</u> - Joyce Dunbar Birds - Laurence Santrey 	
	 <u>Birds</u> - Laurence Santrey <u>Feathers For Lunch</u> - Lois Ehlert 	
	■ Good-Night Owl! - Pat Hutchins	
	Owly - Mike Thaler	
	o Mammals:	
	■ <u>About Mammals</u> - Cathryn Sill	
	 Animal Tracks - Arthur Dorros 	
	■ <u>The Big Bears</u> - Melvin Berger	
	 Mammals - National. Geographic 	
	 A True Book: Moose - David Peterson 	
	■ What is a Bear? - Bobbie Kalman	
	 Where Once There Was A Wood - Denise Fleming 	
	o Reptiles:	
	All About Rattlesnakes - Jim Arnosky	
	The Day Jimmy's Boa Ate The Wash -Trinka Nobles	;
	 I Can Read About Reptiles - David Cutts 	
	 Snakes - Patricia Demuth 	
Technology	http://www.brunswick.k12.me.us/curriculum	
Link		