

## Animals 2X2



### TEKS:

**K.5 Organisms, objects, and events have properties and patterns.** The student is expected to:

- a. **describe** properties of objects and characteristics of organisms;
- b. **observe** and **identify** patterns including seasons, growth, and day and night and predict what happens next; and
- c. **recognize** and **copy** patterns seen in charts and graphs.

**K.6 Systems have parts and are composed of organisms and objects.** The student is expected to:

- a. **sort** organisms and objects into groups according to their parts and describe how the groups are formed;
- b. **record** observations about parts of plants including leaves, roots, stems, and flowers;
- c. **record** observations about parts of animals including wings, feet, heads, and tails.
- d. **identify** parts that when separated from the whole, may result in the part or whole not working, such as cars without wheels and plants without roots.

**K.7 Many types of change occur.** The student is expected to:

- a. **observe**, **describe**, and **record** changes in size, mass, color, position, quantity, time, temperature, sound, and movement.
- d. **observe** and **record** stages in the life cycle of organisms in their natural environment.

**K.8 There are differences between living organisms and nonliving objects.** The student is expected to:

- a. **identify** a particular organism or object as living or nonliving; and
- b. **group** organisms and objects as living or nonliving.

**K.9 Living organisms have basic needs.** The student is expected to:

- a. **identify** basic needs of living organisms;
- b. **give** examples of how living organisms depend on each other; and
- c. **identify** ways that the Earth can provide resources for life.

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### Teaching Time Line

Day	Lesson Title (Investigations)	Thinking Map	Suggested Time	Instructional Method
1	<b>Inventory and report any missing materials</b>		<b>30 min.</b>	
Live Materials	Live materials will arrive 1 week after kit arrival			
2	1. Goldfish and Guppies: The Structure of Goldfish	Circle, Brace	20 min.	Center
3	: Goldfish Behavior	Bubble	20 min.	Center
4	: Fish Tunnels	Flow	30 min.	Center
5	:Comparing Guppies to Goldfish	Double Bubble	20 min.	Center
6	2. Land and Water Snails: Land Snails	Circle	20 min.	Center
7	: Snail Races		20 min.	Center
8	: Observing Water Snails	Circle	20 min.	Center
9	: Shells	Bubble	20 min.	Center
10	3. Big and Little Worms: Structure of Earthworms	Tree	20 min.	Center
11	: Earthworm Behavior	Bubble	20 min.	Center
12	: Comparing Redworms to Night Crawlers	Double Bubble	20 min.	Center
13	4. Pillbugs and Sowbugs: Isopod Observations	Double Bubble	20 min.	Center
14	: Identifying Isopods	Circle	20 min.	Center
15	: Isopod Races (optional)		20 min.	Center
16	: Animals Living Together		15 min	Center
17	5. Eggs and Chicks (optional): Setting the Eggs		21 days for this section of the unit	Center
18	: Watching Eggs Hatch			Center
19	:The Structure of Chicks			Center
20	: Chicks behavior			Center
21-24	Review, <b>ASSESS</b> , Reteach as Needed			