Science/Unit Map - Grade 4 - Trimester 1

Trimester Focus: Relationships and Requirements of Living Things

Big Ideas:

- Plants and animals have basic requirements for maintaining life which include the need for air, water and a source of energy.
- Organisms have observable traits and physical characteristics that help them survive and reproduce in their environments.
- Organisms are a part of a food chain or food web where food/energy is supplied by plants which need light to produce food/energy.
- Plants and animals can be classified by observable traits and physical characteristics.
- Fossils provide evidence that life forms have changed over time and were influenced by changes in environmental conditions.

CLCEs Vessbulent Bessures Assessment					
GLCEs	Vocabulary	Resources	Assessments		
		(See Curriculum Calendar for Details)			
1.01.04.15	plants		Formative Assessment Evamples		
L.OL.04.15	plants	Textbook: National	Formative Assessment Examples The formative assessment is the		
Determine that plants	animals	Geographic -	The formative assessment is the		
require air, water, light, and	source of energy	Life Science	information that you collect as you		
a source of energy and	building material	Ontinual Chamban 1	complete the activities. These		
building material for growth	requirements for life	Optional - Chapter 1 -	activities should drive instruction.		
and repair.	repair	Lessons 2, 4, 7, 8, &11	Choose one plant or animal and		
L.OL.04.16	individual differences	(Basic Needs of Plants)	write a paragraph explaining		
Determine that animals	organisms	Optional - Chapter 2 -	how it is adapted to survive in		
require air, water and a	observable features	Lessons 3, 4, 5, & 9	its environment.		
source of energy and	enable	(Basic Needs of	Create a food chain and a food		
building material for growth	obtain	Animals)	web that includes water flea,		
and repair.	coloring	Chapter 3 - All Lessons	sunfish and heron.		
L.EV.04.21	similarities and	(Environmental	Create a food chain that		
Identify individual	differences in	Dependence)	includes at least three animals.		
differences (color, leg	organisms	Chapter 4 –Skip lesson	Summative Assessment Examples		
length, size, wing size, leaf	camouflage	1 (Adaptations)	Draw or construct an		
shape) in organisms of the	predator	Chapter5 - All Lessons	environment for an imaginary		
same kind.	prey	(Environmental	animal that meets all of its		
L.EV.04.22	litter	Interaction)	needs. Identify and describe		
Identify how variations in	food chain		how the organism's needs are		
physical characteristics of	food web	*Go back to ch.4 in	met.		
individual organisms give	producers	Life Science book & do	Create a food chain for your		
them an advantage for	consumers	lesson 1 & 8 as an	imaginary animal, include at		
survival and reproduction.	decomposers	introduction to fossils	least one producer, and 2-3		
L.EC.04.11	populations		consumers. Your animal's		
Identify organisms as part	environment	<u>Textbook</u> : National	environment has had a fire.		
of a food chain or food web.	affect	Geographic - Earth	How might this effect the		
L.EC.04.21	survival	Science	survival of your animal?		
Explain how environmental	reproduce	Chapter 2 – pgs. 61,	Paragraph using supporting		
changes can produce a		74, 84-91 (Fossils)	evidence about teeth to determine		
change in the food web.			the size and type of consumer.		
	fossil	Supplemental Texts:			
	evidence	 <u>Digging Into</u> 			
E.ST.04.31	variations	<u>the Ice Age</u>	Formative Assessment Examples		
Explain how fossils provide	physical	 <u>Excavating a</u> 	 Paragraph supporting decisions 		
evidence of Earth's past.	characteristics	<u>Castle</u>	made about the fossil teeth.		
E.ST.04.32	survival	 <u>Uncovering</u> 	Discuss the scenario based on		
Compare and contrast life		<u>Earth's History</u>	animal interaction evidenced		
forms found in fossils and			through tracks.		
organisms that exist today.		Inquiry book:	 Review the numbers on the 		
		See Inquiry Book for	table from the dinosaur size		
		Snap, Explore,	activity; and review the		
		Directed, Guided, and	dinosaur ranking by size.		
		Open Investigations			
