Classification Unit Planner/Study Guide

Name: _____ Packet Score: _____/84

Step 1: What is to be learned?	

Content Standard(s): Students will understand that structure is used to develop classification systems.
Benchmark: You should be able to tell the following story by the end of the unit…….
Classification schemes reflect orderly **patterns** and **observable distinctions** among objects and organisms. One of the most general distinctions among organisms is between plants and animals. Biologists consider an organism's **structural features** important for classifying organisms than behavior or general appearance.

BOLDED Text = <u>Tested on CFA's</u>   Normal Text = <u>Not tested on CFA's</u>

Objective 1: Classify based on observable properties.
  a. Categorize nonliving objects based on external structures (e.g., hard, soft).
  b. **Compare living, once living, and nonliving things.**
  c. **Defend the importance of observation in scientific classification.**
  d. **Demonstrate that there are many ways to classify things.**

Objective 3: Classify organisms using an orderly pattern based upon structure.

  a. Identify types of organisms that are not classified as either plant or animal.
  b. **Arrange organisms according to kingdom (i.e., plant, animal, monera, fungi, protist).**
  c. **Use a classification key or field guide to identify organisms.**
  d. **Report on changes in classification systems as a result of new information or technology.**

Objective 2: Use and develop a simple classification system.
  a. **Using a provided classification scheme, classify things (e.g., shells, leaves, rocks, bones, fossils, weather, clouds, stars, planets).**
  b. Develop a classification system based on observed structural characteristics.
  c. **Generalize rules for classification.**
  d. **Relate the importance of classification systems to the development of science knowledge.**
  e. Recognize that classification is a tool made by science to describe perceived patterns in nature.

Step 2: Evidence of Learning (Record % not Raw Score) (Divide # Correct by # Possible)			
Common Formative Assessments	1st Time (In Class)	2nd Time (In PEAK)	3rd Time (In PEAK)
CFA Quiz 1			
CFA Quiz 2			
CFA Quiz 3			
Unit Content Pre Test Score %	**Unit Content Post Test Score %**	% of Improvement	
Unit Vocabulary Pre Test Score %	**Unit Vocabulary Post Test Score %**	% of Improvement	

Assignments for Points

GREEN ASSIGNMENTS	ACTUAL DATE ASSIGNED	ACTUAL DUE DATE	POINTS POSSIBLE
Unit Tracker Page	Tuesday 8/30	Thursday 9/29	10
Unit Vocabulary Boxes	Tuesday 8/30	Thursday 9/29	44
Unit Essential Questions	Tuesday 8/30	Thursday 9/29	40
Getting Started Checklist	Thursday 8/25	Tuesday 8/30	20
3 Ringed Bind./Science Place	Tuesday 8/23	Tuesday 8/30	25
Smarty You Presentation	Monday 8/29	Wednesday 8/31	40
Remind Text Sign Up (Parent)	Thursday 8/25	Tuesday 8/30	25
It's Alive Worksheet	Wednesday 9/7	Monday 9/12	28
Types of Matter Scavenger Hunt	Friday 9/9	Tuesday 9/13	37
Observing the Characteristics of Life Website Assignment	Monday 9/12	Tuesday 9/13	35
Classification Worksheet	Friday 9/16	Tuesday 9/20	26
Aristotle Homework	Dropped	Dropped	30
Jelly Bean Classification Lab	Wednesday 9/21	Wednesday 9/21	30
H20 Critter Classification Lab	Dropped	Dropped	30
8 Mystery Trees of MLMS Lab	Thursday 9/22	Thursday 9/22	16
Classification Project	Friday 9/23	Wednesday 10/5	60
Classifying Sharks			28
What a Strange Group			24
Kingdom's Coloring			30
Kingdom's Cut and Paste			46