2014-15 LESSON "SNAPSHOT"

Teacher's Name: Clark Cooper **Week of: December 1st**

Course Title and Periods Taught: Biology A, 1st 5th **Unit Title: The Biosphere**

List daily lesson topic and Depth of Knowledge:	List **learning target** and briefly outline lesson activitys/agenda *(related to Core Academic Standard)*:		
Monday: Lesson Topic Critical Vocab:	Agenda:	Bell Ringer:	Reflection: What did I learn today?
Tuesday: Lesson Topic: The Biosphere Critical Vocab; ecology, biosphere, species, population, community, ecosystem, biome, producer, consumer, autotroph, heterotroph, decomposer, habitat, niche, food chain, food web, trophic level, ecological pyramids, biogeochemical cycles, evaporation, transpiration, nitrogen fixation, denitrification, water cycle, nitrogen cycle, carbon cycle	Agenda: I can define and provide examples of biosphere, biome, ecosystem, population, species, habitat and niche. I can discuss biotic and abiotic factors that affect land and aquatic biomes. Procedure: 1. Bell Ringer: ACT Practice Question 2. Lab: Data Collection 3. Vocab Check 4. Lecture: What is Ecology? 5. Reflection	Bell Ringer: ACT Practice Question: record your answers here.	Reflection: What did I learn today?
Wednesday: Lesson Topic: The Biosphere Critical Vocab: See Tuesday	Agenda: I can discuss biotic and abiotic factors that affect land and aquatic biomes. (if needed) I can explain how energy flows through ecosystems in one direction. I can diagram the flow of energy using food webs, food chains and pyramids of energy, biomass and numbers Procedure: 1. Bell ringer 2. Lecture: Energy flow through ecosystems 3. Pairs: create food chains 4. Groups: combine food chains into food webs 5. Reflection	Bell Ringer: Describe the levels or organization in the biosphere.	Reflection: What did I learn today?

Please post completed form for each course you teach weekly. (Updated 12/06/10)

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Thursday: Lesson Topic: The Biosphere Critical Vocab: See Tuesday	Agenda: I can diagram the flow of energy using pyramids of energy, biomass, and numbers. I can explain how the amount of life any environment can support is limited by the available matter and energy and by the ability of ecosystems to recycle the residue of dead organic materials. Procedure: 1. Bell ringer 2. Pairs: Pyramids 3. Lecture: Cycles of Matter	Bell Ringer: ACT Practice Question: record your answers here	Reflection: What did I learn today?
Friday: Lesson Topic: The Biosphere Critical Vocab: See Tuesday	Agenda: I can explain how the amount of life any environment can support is limited by the available matter and energy and by the ability of ecosystems to recycle the residue of dead organic materials. I can differentiate between the biogeochemical cycles. Procedure: 1. Bell ringer 2. Lab: Data collection 3. Lecture: cycles of matter 4. Solo: create biogeochemical cycles foldable 5. Reflection	Bell Ringer: differentiate between the ecological pyramids.	Reflection: What did I learn today?

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