**APES Calendar Unit 2**

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| **Wednesday, September 10****Thursday, September 11** | **Friday, September 12****Monday, September 15** | **Tuesday, September 16****Wednesday, September 17** |
| Bellringer: * Cats in Borneo

In Class:* Powerpoint: Ecology Basics & Major Components of an Ecosystem
* Lab: Food Webs & Biomagnification

Handout:* Lab: Food Webs & Biomagnification

HW:* Complete lab due 9/12 or 9/15
* Read Chapter 3 (pgs 63-74)
 | Bellringer: * Components of an Ecosystem

In Class:* Powerpoint: Energy & Matter in an Ecosystem
* Project: Biogeochemical Cycles

Handout:* Project : Biogeochemical Cycles

HW:* Read Chapter 3 (pgs 75-77)
 | Bellringer: * Data Analysis: Hubbard Brook Experiment

In Class:* APES Review: Biogeochemical Cycles – Carbon Cycle, Nitrogen Cycle, Hydrological Cycle, Phosphorus Cyle and Sulfur Cycle
* QUIZ: Chapter 3

Handout:* Biogeochemical Cycles Diagrams

HW:* Read Chapter 3 (pgs 75-77)
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| **Thursday, September 18****Friday, September 19*** **Early Release 9/18**
 | **Monday, September 22****Tuesday, September 23** | **Wednesday, September 24****Friday. September 26*** **9/25 No School**
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| Bellringer: * Variation & Oscillation

In Class:* Powerpoint: El Nino y La Nina
* Discovery Ed Video: El Nino

Handout: * ENSO Diagram

HW: * Read Chapter 7 (pgs 147-151)
 | Bellringer: * Flood, Droughts, and Famines

In Class:* Powerpoint: Factors Influencing Climate
* Film: Earth’s Biomes
* Earth’s Biomes Chart

Handout: * Earth Biomes Chart

HW: Read Chapter 7 (pgs 152-164) | Bellringer: * Data Analysis: Climatographs /The Effects of Temperature of Biomes

In Class:* QUIZ: Chapter 7 – El Nino
* Activity: Temperature, Rainfall, and Biome Distribution Activity

Handout: * Activity: Temperature, Rainfall, and Biome Distribution Activity

HW: * Review for Unit 2 Test
* Finish activity (due 9/24 or 9/26)
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| **Wednesday, September 24****Friday. September 26*** **9/25 No School**
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| Bellringer: * Do The Math: Raising Mangoes

In Class:* TEST: Unit 2 – Chapters 3 & 7
* Film: Origin of Life

HW: * Pre-Lab Natural Selection
* Read Chapter 4 (pgs 80-88)
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