

**Daily Lesson Plans
Chapter 10--Evolution**

Academic Biology

April 1--5, 2019

**Mrs. Linda Henry
Unit: Evolution**

Standards with Objectives	Activities	Evaluation	Enrichments
<p>1. 3.1.10A5—relate life processes to cellular and sub-cellular levels structures and functions</p>	<p>Monday--Test on the History of life packet. Open packet test on information students got from their activities. Review for their test on Evolution</p>	<p>Review for test</p>	<p>Try the standards based assessment for this chapter on page 209 of your textbook. Many of these will be similar to your Biology Keystone Exam questions later this year!</p>
<p>2. assess student knowledge on evolution and natural selection</p>	<p>Tuesday---Test on Chapter 10.</p>	<p>Chapter 10 test on Evolution</p>	<p>Adaptations for activities and tutoring:</p>
<p>3. differentiate abiotic and biotic factors</p>	<p>Students should begin reading Chapter 13 on Ecology.</p>	<p>Power notes on Chapter 13 and study guide for ch. 13</p>	<ol style="list-style-type: none"> 1. Concept map 2. Word search 3. Critical thinking essays 4. Flashcards 5. Section reviews 6. Chapter reviews 7. Read chapter highlights
<p>4. list the hierarchy in ecology</p>	<p>Wednesday--Friday--begin chapter on Ecology--pass out power notes and study guides. Begin section 1 and assign each study guide section for HW</p>		
<p>5. explain the flow of energy through the food chain or web</p>			
<p>6. explain energy, population and biomass pyramids</p>			

Daily Lesson Plans
Chapter 10--Evolution

Biology Laboratory
(Every other day)

April 1-5, 2019

Mrs. Linda Henry
Unit: Evolution

**PA Academic
Standards and
Objectives**

Activities

Evaluations

Enrichment

1. **3.1.10A5—
relate life
processes to
cellular and
sub-cellular
levels
structures and
functions**
2. **3.1.10.A6—ide
ntify the
advantages of
multicellularit
y in organisms**
3. **analyze nuclear
DNA and
Mitochondrial
DNA for crime
scenes**

Biome
Project--students will
create a presentation
on a biome that will
part of a vacation
package. Students
will present to their
labs at the end.

Biome
Project-students pick
a biome and create a
vacation package on
power point or
google slides. 6-10
slides with weather,
climate, types of
plants and animals,
location on the
Earth, etc.

Go Online! To
HMDSscience.com
For virtual labs, poison
frogs and Biozine
articles

Adaptations for
activities and
tutoring:

1. Concept map
 2. Word search
 3. Critical
thinking
essays
 4. Flashcards
 5. Section
reviews
 6. Chapter
reviews
 7. Read chapter
highlights
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Daily Lesson Plans Chapter 3-Microscopes and stains	Introduction to Microbiology	April 1-5, 2019	Mrs. Linda Henry Unit: Background of Microbiology and the control of bacteria
PA Academic Standards and Objectives	Activities	Evaluations	Enrichment
<p>3.1.10.A5—relate the life processes of cellular and subcellular structures to their function</p> <p>2. . list the steps in the brightfield microscope focus</p> <p>3. differentiate between resolution and refracting index</p> <p>4. explain the steps in making a smear</p> <p>5. list the steps in a simple stain</p> <p>6. list the steps in the Gram stain</p>	<p>Monday--pass out the Chapter 4 study guide and have students complete the matching and fill in the blanks</p> <p>Tuesday-Wednesday--finish notes on Eukaryotes. Assign the rest of the questions on page 109 for HW</p> <p>Thursday--review for test</p> <p>Friday--Test on Chapter 4 Pro-and Eukaryotic cells</p>	<p>Chapter 4 study guide</p> <p>Notes on Ch. 4 page 109 for HW</p> <p>REview for test</p>	<p>Try clinical applications on page 24-25 in your text for practice in higher critical thinking skills.</p> <p>Adaptations for tutoring and activities:</p> <ol style="list-style-type: none"> 1. Concept maps 2. Word search 3. Critical thinking essays 4. Flashcards 5. Section reviews 6. Chapter reviews 7. Read chapter highlight

Daily Lesson Plans Chapter 11- Hair and Fiber evidence	Introduction to Forensics (B days--every other day)	April 1-5, 2019	Mrs. Linda Henry Unit:Types of class evidence
PA Academic Standards with Objectives	Activities	Evaluations	Enrichment
<ol style="list-style-type: none"> 1. 3,4,10.A-technology and how it impacts scientific endeavors 2. 3.1.10.B4—explain how technologies have impacted the field of forensics. 3. list the three parts of the hair shaft 4. list the types of cuticles 	<p>Tuesday--collect notebooks and go over lab. Pass out the fiber review worksheet to complete.</p> <p>Thursday--go over worksheet and review for test.....</p> <p>Test Monday</p>	<p>Notes on Fiber evidence</p> <p>Fiber review worksheet</p>	<p>Try clinical applications on page 24-25 in your text for practice in higher critical thinking skills.</p> <p>Adaptations for tutoring and activities:</p> <ol style="list-style-type: none"> 1. Concept maps 2. Word search 3. Critical thinking essays 4. Flashcards 5. Section reviews 6. Chapter reviews

5. differentiate between types of cortex structures

6. explain the difference between medulla of human and animal hair

7. explain how hair grows and the three stages of hair growth

7. Read chapter highlights

**Daily Lesson Plans
Chapter 1--**

Advanced Biology

May 14--18, 2018

**Mrs. Linda Henry
Unit:**

**PA Standards with
Objectives**

Activities

Evaluations

Enrichment

Header			
			<p>Try clinical applications on page 24-25 in your text for practice in higher critical thinking skills.</p> <p>Adaptations for tutoring and activities:</p> <ol style="list-style-type: none">1. Concept maps2. Word search3. Critical thinking essays4. Flashcards5. Section reviews6. Chapter reviews7. Read chapter highlights