

Standards with Objectives	Activities	Evaluation	Enrichments
1. 3.1.10A5—relate life processes to cellular and sub-cellular levels structures and functions	Monday---Wednesday--continue power notes and study guides and discuss patterns of evolutionary development	Power notes for Chapter 10 on evolution	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!
2. describe early ideas about evolution	Thursday--Friday--Peppered Moth Activity	Study guide for Chapter 10 for HW	Adaptations for activities and tutoring:
3. explain how geology affects the development of organisms		Students will graph the number of light colored and dark colored moths.	1. Concept map
4. explain how island species evolve			2. Word search
5. list reasons why Darwin believed the earth was much older than once thought			3. Critical thinking essays
6. explain natural selection			4. Flashcards
7. explain descent with modification			5. Section reviews
8. define adaptation			6. Chapter reviews
9. differentiate the various structural patterns in evolution			7. Read chapter highlights

**Daily Lesson Plans
Chapter10--Evolution**

**Biology Laboratory
(Every other day)**

Mar 18-22, 2019

**Mrs. Linda Henry
Unit: Evolution**

**PA Academic
Standards and
Objectives**

Objectives	Activities	Evaluations	Enrichment
1. 3.1.10A5— relate life processes to cellular and sub-cellular levels structures and functions	How can Evolution be observed in a mouse population in the desert>	lab report and video	Go Online! To HMDSscience.com For virtual labs, poison frogs and Biozine articles
2. 3.1.10.A6—ide ntify the advantages of multicellularit y in organisms			Adaptations for activities and tutoring: 1. Concept map 2. Word search 3. Critical thinking essays
3. analyze nuclear DNA and Mitochondrial DNA for crime scenes			4. Flashcards 5. Section reviews 6. Chapter reviews 7. Read chapter highlights



Daily Lesson Plans Chapter 3-Microscopes and stains	Introduction to Microbiology	Mar 18-22, 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--introduce the next chapter on prokaryotes. No HW...study for test</p> <p>Tuesday--Test on Chapter 3</p> <p>Wednesday--go over test and continue discussion of various types of bacteria...assign page 109 #1 and 3</p> <p>Thursday--Friday--discuss eukaryotic organisms and which are pathogenic</p>	<p>Test on Chapter 3</p> <p>Notes on Ch. 4</p> <p>page 109 for HW</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)	Mar 18-22, 2019	Mrs. Linda Henry Unit:Types of class evidence
PA Academic Standards with Objectives	Activities	Evaluations	Enrichment
<p>1. 3,4,10.A-technology and how it impacts scientific endeavors</p> <p>2. 3.1.10.B4—explain how technologies have impacted the field of forensics.</p>	<p>Tuesday---continue notes and assign the review of microscopic fiber analysis....</p> <p>Thursday--lab on fibers and the tests to determine their composition</p>	<p>Notes on Fiber evidence</p> <p>microscope fiber analysis</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 maps2. Word search

- 3. list the three parts of the hair shaft**
- 4. list the types of cuticles**
- 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**

3. Critical thinking essays
4. Flashcards
5. Section reviews
6. Chapter reviews
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

Try clinical applications on page 24-25 in your text for practice in higher critical thinking skills.

Adaptations for tutoring and activities:

1. Concept maps
2. Word search
3. Critical thinking essays
4. Flashcards
5. Section reviews
6. Chapter reviews
7. Read chapter highlights