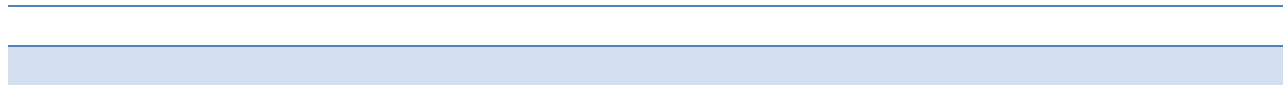


Standards with Objectives	Activities	Evaluation	Enrichments
1. 3.1.10A5—relate life processes to cellular and sub-cellular levels structures and functions	Monday--video on speciation and extinction--hand out the worksheet on speciation in snakes	Video on speciation and extinction	Try the standards based 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	Tuesday--go over worksheet from yesterday. Students should log into their chromebooks and access their online edition on page 303.	page 303 chapter 10 review	Adaptations for activities and tutoring:
3. explain how geology affects the development of organisms	Students should complete the fill in the blanks on the answer sheet.	Review for test	
4. explain how island species evolve		Chapter 10 test on Evolution	1. Concept map
5. list reasons why Darwin believed the earth was much older than once thought	Wednesday--Test on Chapter 10. Students should begin reading Chapter 13 on Ecology.	Power notes on Chapter 13 and study guide for ch. 13	2. Word search
6. explain natural selection			3. Critical thinking essays
7. explain descent with modification	Thursday--go over tests, begin notes on Ecology section 1. Study guide section 1 for HW		4. Flashcards
8. define adaptation			5. Section reviews
9. differentiate the various structural patterns in evolution	Friday--go over HW and begin section 2 and assign section 2 of study guide		6. Chapter reviews
			7. Read chapter highlights

Daily Lesson Plans Chapter 10--Evolution **Biology Laboratory (Every other day)** **Mar 225--29, 2019** **Mrs. Linda Henry**
Unit: Evolution

PA Academic Standards and Objectives

Objectives	Activities	Evaluations	Enrichment
<ol style="list-style-type: none"> 1. 3.1.10A5—relate life processes to cellular and sub-cellular levels structures and functions 2. 3.1.10.A6—identify the advantages of multicellularity in organisms 3. analyze nuclear DNA and Mitochondrial DNA for crime scenes 	<p>Fossil study--an imaginary crustacean evolutionary changes as it is found in upper rock layers... students will create an evolutionary “tree” about how the organism changed</p>	<p>lab report and video</p>	<p>Go Online! To HMDSscience.com For virtual labs, poison frogs and Biozine articles</p> <p>Adaptations for activities and tutoring:</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



Daily Lesson Plans Chapter 3-Microscopes and stains	Introduction to Microbiology	Mar 25-29, 2019	Mrs. Linda Henry Unit: Background of Microbiology and the control of bacteria
PA Academic Standards and Objectives	Activities	Evaluations	Enrichment
3.1.10.A5—relate the life processes of cellular and subcellular structures to their function 2. . list the steps in the brightfield microscope focus 3. differentiate between resolution and refracting index 4. explain the steps in making a smear 5. list the steps in a simple stain 6. list the steps in the Gram stain	Monday--Wednes day--pass out the “You are the Doctor” patient folders and have students start analyzing the disease and what protocol to use to cure the infection Thursday--Friday--finish notes on Eukaryotes. Assign the rest of the questions on page 109 for HW	Patient files for discovering info on diseases and their cures. Notes on Ch. 4 page 109 for HW	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 highlight

Daily Lesson Plans Chapter 11- Hair and Fiber evidence	Introduction to Forensics (B days--every other day)	Mar 25--29, 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>Monday--check HW. continue notes on fiber evidence. Assign Jeffrey MacDonald case file</p>	<p>Notes on Fiber evidence</p>	<p>Try clinical applications on page 24-25 in your text for practice in higher critical thinking skills.</p>
<p>2. 3.1.10.B4—explain how technologies have impacted the field of forensics.</p>	<p>Wednesday--finish notes and pass out Fiber review for HW</p>	<p>Fiber review worksheet</p>	<p>Adaptations for tutoring and activities:</p> <ol style="list-style-type: none"> 1. Concept maps 2. Word search 3. Critical thinking essays

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|---|--|---------------------------|----------------------------|
| 3. list the three parts of the hair shaft | Friday--collect the review and pass out the fiber lab and have students view 6 different fibers and complete the lab | microscope fiber analysis | 4. Flashcards |
| 4. list the types of cuticles | | | 5. Section reviews |
| 5. differentiate between types of cortex structures | | | 6. Chapter reviews |
| 6. explain the difference between medulla of human and animal hair | | | 7. Read chapter highlights |
| 7. explain how hair grows and the three stages of hair growth | | | |

Daily Lesson Plans Chapter 1--	Advanced Biology	May 14--18, 2018	Mrs. Linda Henry Unit:
PA Standards with Objectives	Activities	Evaluations	Enrichment
			<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 highlights