

Standards with Objectives	Activities	Evaluation	Enrichments
1. 3.1.10A5—relate life processes to cellular and sub-cellular levels structures and functions	Monday--Thursday--continue chapter on Ecology--students complete power notes and study guides. Begin section 3 and assign each study guide section for HW	Power notes on Chapter 13 and study guide for ch. 13	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. assess student knowledge on evolution and natural selection	Friday--mark		Adaptations for activities and tutoring:
3. differentiate abiotic and biotic factors	recapture method of environmental research. Students will use chips as a population of organisms that need to be estimated.	Mark recapture method of population study	1. Concept map 2. Word search 3. Critical thinking essays 4. Flashcards 5. Section reviews 6. Chapter reviews 7. Read chapter highlights
4. list the hierarchy in ecology			
5. explain the flow of energy through the food chain or web			
6. explain energy, population and biomass pyramids			

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—identify the advantages of multicellularity 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.
Fruit flies genetics experiment when time permits

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

Daily Lesson Plans Chapter 7- controlling the growth of microbes	Introduction to Microbiology	April 8-12, 2019	Mrs. Linda Henry Unit: 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--Friday --go over the test. Begin chapter 7 on the control of microbe growth in foods, medicine, etc.</p> <p>Assign pages 204--205 for HW</p>	<p>Chapter 4 power point notes</p> <p>page 204-205 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)	April 8-12, 2019	Mrs. Linda Henry Unit:Types of class evidence
PA Academic Standards with Objectives	Activities	Evaluations	Enrichment
1. 3,4,10.A-technology and how it impacts scientific endeavors	Monday--finish CSI on fiber evidence. Pass out the chapter review on hair and fiber evidence	Finish CSI episode	Try clinical applications on page 24-25 in your text for practice in higher critical thinking skills.
2. 3.1.10.B4—explain how technologies have impacted the field of forensics.	Wednesday--Test on Chapter 11. Students should begin reading the chapter on toxicology....	Chapter 11 review on hair and fiber evidence	Adaptations for tutoring and activities:
3. list the three parts of the hair shaft	Students should begin reading the chapter on toxicology....	Toxicology chapter notes and reading	<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
4. list the types of cuticles	Friday--go over test and begin notes on poisons and drugs...assign handout on drugs and poisons....	Chapter on Toxicology	
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**

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.

			<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
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