

Daily Lesson Plans Chapter 14--Interactions in the Ecosystems	Academic Biology	April 29-May 3, 2019	Mrs. Linda Henry Unit: Ecology
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>2. assess student knowledge on evolution and natural selection</p> <p>3. differentiate abiotic and biotic factors</p> <p>4. list the hierarchy in ecology</p> <p>5. explain the flow of energy through the food chain or web</p> <p>6. explain energy, population and biomass pyramids</p>	<p>Monday-finish notes and study guide. Review how to read environmental data with a worksheet</p> <p>Tuesday--Friday--pass out Chapter 17 on classification of living things. Begin power notes and study guides. Assign a section per day.</p>	<p>Power notes on Chapter 17 and study guide for ch. 17</p> <p>Mark recapture method of population study</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>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
17-Classification

Biology Laboratory
(Every other day)

April 29-May3,
2019

Mrs. Linda Henry
Unit: Ecology

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**

Fruit flies genetics experiment when time permits

SAS #5 on Evolution review

Fruit fly experiment

SAS packet #5 review

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 14--Epidemiology	Introduction to Microbiology	April 29-May 3, 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-Thursd ay--finish notes and page 426 HW. Assign study guide for Chapter</p> <p>Friday--samples for a descriptive study of a school site--analyze where it's reservoir, passage of microbe and how to control it.</p>	<p>Hw page 426</p> <p>student project on the descriptive study of a school site.</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 6--Toxicology	Introduction to Forensics (B days--every other day)	April 29-May 3, 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	Tuesday--Continue notes and finish the schedule of drugs.		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.	Assign forensic worksheet for HW	Toxicology chapter notes and reading on google classroom	Adaptations for tutoring and activities:
3. differentiate between hallucinogens, stimulants and depressants	Thursday--Case study on drug addiction	Forensic worksheet	<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 and contrast the various presumptive and confirmatory		Case Study on Addiction	

tests for drugs
and poisons

5. explain how
drugs and
poisons are
identified in
body tissues

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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