

Students will be dismissed at 1:30 on Thursday for Easter Break...

Daily Lesson Plans Chapter 13--Ecology	Academic Biology	April 15-18, 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--Wednesday --continue chapter on Ecology--students complete power notes and study guides. Begin section 6 and assign study guide section for HW</p> <p>Thursday--mark recapture method of environmental research. Students will use chips as a population of organisms that need to be estimated.</p>	<p>Power notes on Chapter 13 and study guide for ch. 13</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

Students will be dismissed at 1:30 on Thursday for Easter Break...

Daily Lesson Plans **Biology Laboratory** **April 15-18, 2019** **Mrs. Linda Henry**
Chapter 13-Ecology **(Every other day)**

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 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>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.</p> <p>Fruit flies genetics experiment when time permits</p>	<p>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.</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

Students will be dismissed at 1:30 on Thursday for Easter Break...

Daily Lesson Plans Chapter 7- controlling the growth of microbes	Introduction to Microbiology	April 15-18, 2019	Mrs. Linda Henry Unit: 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---kab on disk diffusion of antiseptics and disinfectants, Tuesday--collect lab and assign study guide Wednesday--go over study guide and pass out interpreting graphs on microbe control Thursday--Take home test on Chapter 7	Chapter 4 power point notes Disk Diffusion lab Chapter 7 Study guide Interpreting data on microbial control Take home test	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

Students will be dismissed at 1:30 on Thursday for Easter Break...

Daily Lesson Plans Chapter 6--Toxicology	Introduction to Forensics (B days--every other day)	April 15-18, 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 on toxicology Time line HW		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.	Thursday--collect timeline. Pass out the review of tox screens--preliminary and conclusive evidence	Toxicology chapter notes and reading on google classroom	Adaptations for tutoring and activities:
3. differentiate between hallucinogens, stimulants and depressants		Chapter on Toxicology	<ol style="list-style-type: none"> 1. Concept maps 2. Word search 3. Critical thinking essays 4. Flashcards 5. Section reviews 6. Chapter reviews
4. list and contrast the various presumptive and confirmatory tests for drugs and poisons		Timeline activity CSI computer interactive on toxicology	<ol style="list-style-type: none"> 7. Read chapter highlights

Students will be dismissed at 1:30 on Thursday for Easter Break...

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.

Students will be dismissed at 1:30 on Thursday for Easter Break...

			<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
--	--	--	---