

Daily Lesson Plans Chapter 2--Chemistry of life	Academic Biology	Sept 16-20, 2019	Mrs. Linda Henry Unit: Biology
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>Monday--check HW Finish notes for Chapter 1 on biology in the future. Assign section 5 of the study guide</p>	<p>Power notes for Chapter 1</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>2. Assess student knowledge of the biological sciences-their themes, tools, technology and traits of life</p>	<p>Tuesday--Wednesday--pass out the Interactive reader review for Chapter 1. Students will work in small groups to complete the packets</p>	<p>Study guide for Chapter 1 Review and reinforcement for Chapter 1</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
	<p>Thursday--collect readers. Review for test</p>	<p>Review for test</p>	
	<p>Friday--Chapter 1 test on Biology in the 21st Century</p>	<p>Chapter 1 Test</p>	

Daily Lesson Plans Chapter 2--Chemistry of life	Biology Laboratory (Every other day)	Sept. 16-20, 2019	Mrs. Linda Henry Unit: Intro to Biology
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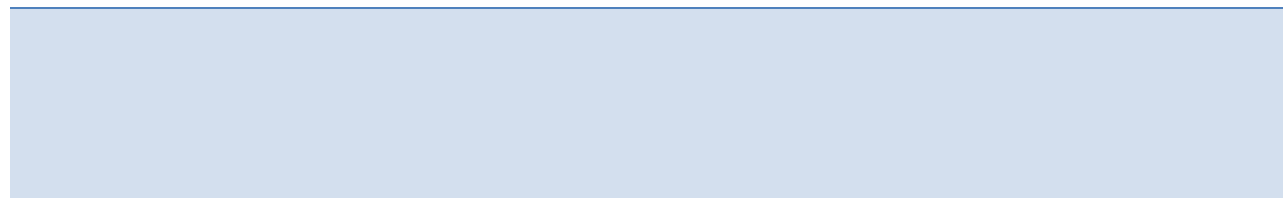
**PA Academic
Standards and
Objectives**

Activities

Evaluations

Enrichment

<p>1. 3.1.10A5—relate life processes to cellular and sub-cellular levels structures and functions</p> <p>2. 3.1.10.A6—identify the advantages of multicellularity in organisms</p> <p>3. students will analyze and classify tools used in biology</p>	<p>Water tension lab-students will observe water tension (cohesion) between drops</p> <p>pH lab--measuring pH of common household products</p>	<p>Lab on water tension</p> <p>Ph of common substances lab</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
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Daily Lesson Plans Chapter 3--Cells of the Human Body	Introduction to Human Biology	Sept 16-20, 2019	Mrs. Linda Henry Unit: orientation of the human body
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. differentiate between prokaryotic and eukaryotic cells</p> <p>3. list the organelles and what their functions are</p> <p>4. differentiate mitosis and meiosis</p> <p>5. list the steps in protein synthesis that occurs in human body cells</p>	<p>Monday-- Thursday--begin notes on cells and pass out the study guide that goes with the chapter. Each notes sections will be assigned with an outcome HW from the study guide packet</p> <p>-</p> <p>Friday--after going over the last night's HW, students will look at human cells under the microscope.</p>	<p>Chapter 3--power point notes</p> <p>Chapter 3 study guide</p> <p>Cells laboratory exercise</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 Chapters--blood and bones	Introduction to Forensics (B days--every other day)	Sept 16--20, 2019	Mrs. Linda Henry Unit:Types of blood spatter and bone to id victims
PA Academic Standards with Objectives	Activities	Evaluations	Enrichment
1. 3,4,10.A-technology and how it impacts scientific endeavors	Monday and Wednesday--review for test and then test on Chapter 1	Chapter 1 review	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.	on Wednesday	Chapter 1 test	Adaptations for tutoring and activities:
3. List and explain the development	Friday--go over test and begin unit on serial killers--psychology and profile of various types	Serial Killer Unit	<ol style="list-style-type: none"> 1. Concept maps 2. Word search 3. Critical thinking essays 4. Flashcards

of forensics
through time

4. explain the cooperation between the law and forensics
5. differentiate between the Frye and Daubert rulings
6. explain the responsibilities of a forensic expert

5. Section reviews

6. Chapter reviews

7. Read chapter highlights

Daily Lesson Plans Chapter 3--Organic molecules	Advanced Biology	Sept 16-20, 2019	Mrs. Linda Henry Unit: Review of Basic Biology
PA Standards with Objectives	Activities	Evaluations	Enrichment
<p>3. 3.1.10A5—relate life processes to cellular and sub-cellular levels structures and functions</p> <ol style="list-style-type: none"> 1. list the characteristics of Carbon and what makes it unique 2. list the traits of carbohydrates and their functions 3. list the traits of proteins and their function 4. explain why folding of proteins is important 	<p>Monday--fTest on Chapter 1. Continue notes on carbohydrates</p> <p>Tuesday--Thursday--notes on Chapter 3 and assign pages 55-57 from textbook</p> <p>Friday--biochemistry lab exercise. Students will utilize tests to see if the 3 organic molecules are present in common household foodstuffs.</p>	<p>Test on Chapter 1</p> <p>Chapter 3 notes</p> <p>pages 55-57 textbook questions</p> <p>Biochemistry lab</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 highlights

5. list the traits
of lipids and
give their
functions