

**Daily Lesson Plans
Chapter 1--Biology in
21st Century**

Academic Biology

Sept 9-13, 2019

**Mrs. Linda Henry
Unit: Biology**

**Standards with
Objectives**

Activities

Evaluation

Enrichments

1. **3.1.10A5—relate life processes to cellular and sub-cellular levels structures and functions**

2. **Assess student knowledge of the biological sciences-their themes, tools, technology and traits of life**

Monday--check HW
Finish notes for Chapter 1 on biology in the future. Assign section 5 of the study guide

Tuesday--Wednesday--pass out the Interactive reader review for Chapter 1. Students will work in small groups to complete the packets

Thursday--collect readers. Review for test

Friday--Chapter 1 test on Biology in the 21st Century

Power notes for Chapter 1

Study guide for Chapter 1

Review and reinforcement for Chapter 1

Review for test

Chapter 1 Test

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!

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 1--Biology introduction	Biology Laboratory (Every other day)	Sept. 9-13, 2019	Mrs. Linda Henry Unit: Intro to Biology
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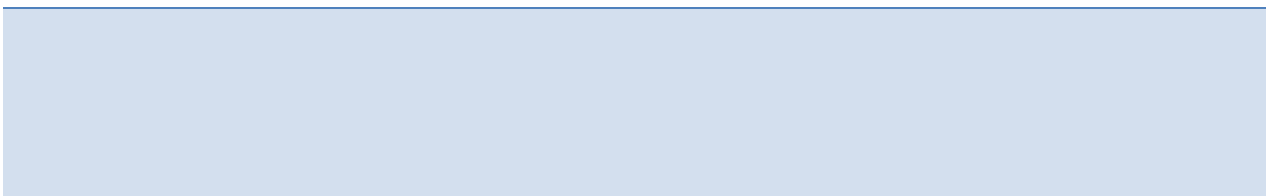
**PA Academic
Standards and
Objectives**

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>Microscope lab--students will view animal, plant and thread through the microscope and become accustomed to the use of the scope.</p> <p>Microscope quiz</p>	<p>Lab on</p> <p>Microscopes</p> <p>Quiz</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 1--Introduction to Human biology	Introduction to Human Biology	Sept 9-13, 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. . assess student knowledge of medical terms, directionality, organ systems and medical planes of the body</p>	<p>Monday--Medical imaging activity. Students will view various medical imaging techniques and differentiate them.</p> <p>Tuesday--go over classwork. Quiz on medical terminology. Then, Pass out the packet for review for Chapter 1.</p> <p>Wednesday--finish packet and review for test</p> <p>Thursday--Continue reviewing for test</p>	<p>Chapter 1 study guide</p> <p>Lab on medical imaging techniques</p> <p>Chapter 1 review for test</p> <p>Chapter 1 test</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

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Friday--Test on
Chapter 1

Daily Lesson Plans Chapters--blood and bones	Introduction to Forensics (B days--every other day)	Sept 9-13, 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-techno logy and how it impacts scientific endeavors	Tuesday--continue notes and go over the "quiz" on basic forensic terms		Try clinical applications on page 24-25 in your text for practice in higher critical thinking skills.
2. 3.1.10.B4—expl ain how technologies		Chapter 1 power point notes	

**have impacted
the field of
forensics.**

Thursday--go over
the 7 US laws and
what they govern.
page 37-39 HW
#1-31

**Adaptations for
tutoring and
activities:**

3. List and explain the development 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

1. Concept maps
2. Word search
3. Critical thinking essays
4. Flashcards
5. Section reviews
6. Chapter reviews
7. Read chapter highlights

Daily Lesson Plans Chapter 1--A view of Biology	Advanced Biology	Sept 9-13, 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 all living things 2. define evolution and how natural selection works 3. describe how energy flows through an ecosystem 4. list the steps in the scientific method 5. differentiate between dependent 	<p>Monday--finish microscope lab.</p> <p>Tuesday--Wednesday--video and worksheet about organism biodiversity</p> <p>Thursday--Review for test</p> <p>Friday--Test on Chapter 1</p>	<p>Microscope lab</p> <p>Biodiversity activity</p> <p>Review for test</p> <p>Test on Chapter 1</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

and independent variables			
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