

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

Academic Biology

Sept 1-4, 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>2. list the characteristics of life</p> <p>3. identify the four major themes in biology</p> <p>4. define biodiversity</p> <p>5. define homeostasis and give examples</p> <p>6. define evolution and explain the mechanism involved</p> <p>7. list and explain the importance of the scientific method</p> <p>8. compare and contrast electron and light microscopes</p> <p>9. give three reasons why the study of biology is important.</p>	<p>Monday--no school</p> <p>Tuesday--Thursday--continue the power notes on the scientific method, the microscopes and biology in the 21st century. Assign appropriate study guide sections for HW. Each day review and go over HW from the previous day.</p> <p>Friday--Begin review for test. Pass out the packet on review and have students begin reviewing the material covered in the class.</p>	<p>Power notes for Chapter 1</p> <p>Study guide for Chapter 1</p> <p>Review and reinforcement 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>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 1--Biology
introduction**

**Biology Laboratory
(Every other day)**

Sept. 3-6, 2019

**Mrs. Linda Henry
Unit: Intro to
Biology**

**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—ide
ntify the
advantages of
multicellularit
y in organisms**
3. **students will
analyze and
classify tools
used in biology**

Tools and
measurement
lab--group students
to begin utilizing
various laboratory
equipment

Microscope lab

Labs on:

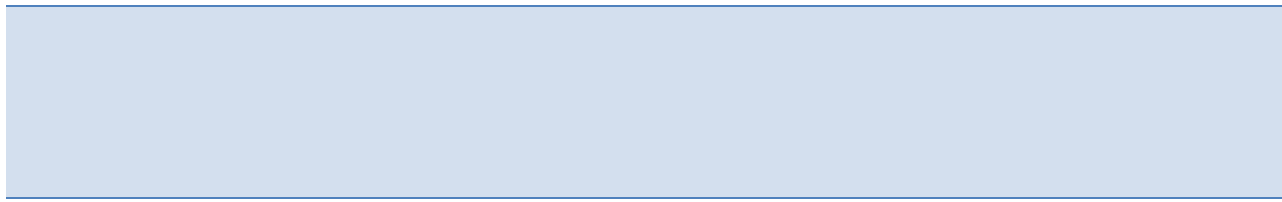
Tools and
measurements

Microscopes

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 1--Introduction to Human biology	Introduction to Human Biology	Sept 3-6, 2019	Mrs. Linda Henry Unit: orientation of the human body
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 characteristics of life 3. name and give the functions of the 11 organ systems 4. explain how body systems are interconnected 5.	Monday--NO SCHOOL Tuesday--Thurs day--continue notes and assign appropriate sections in the study guide. Re-check the next school day. Friday--Orientat ion of the body lab. Students will use the body models to understand the arrangement of the human	Power point notes for Chapter 1 Chapter 1 study guide Lab on body positions and orientation	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

body. Complete the handout.

Daily Lesson Plans Chapters--blood and bones	Introduction to Forensics (B days--every other day)	Sept 3-6, 2019	Mrs. Linda Henry Unit:Types of blood spatter and bone to id victims
PA Academic Standards with Objectives	Activities	Evaluations	Enrichment
<ol style="list-style-type: none"> 1. 3,4,10.A-technology and how it impacts scientific endeavors 	<p>NO School Monday</p> <p>Wednesday--continue notes and go over the major points of</p>	<p>Chapter 1 power point notes</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"> 2. 3.1.10.B4—explain how technologies 			

have impacted the field of forensics.	development in the history of forensics	Historical timeline	<ol style="list-style-type: none"> 1. Concept maps 2. Word search 3. Critical thinking essays
3. List and explain the development of forensics through time	Thursday--go over timeline and continue notes.	Crossword puzzle on crimes	<ol style="list-style-type: none"> 4. Flashcards 5. Section reviews
4. explain the cooperation between the law and forensics	Pass out the crossword and discover various types of crimes handled by forensic scientists		<ol style="list-style-type: none"> 6. Chapter reviews 7. Read chapter highlights
5. differentiate between the Frye and Daubert rulings			
6. explain the responsibilities of a forensic expert			

Daily Lesson Plans Chapter 1--A view of Biology	Advanced Biology	Sept 3-6, 2019	Mrs. Linda Henry Unit: Review of Basic Biology
PA Standards with Objectives	Activities	Evaluations	Enrichment
<p>10. 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--no school</p> <p>Tuesday-Wednesday --continue notes and assign page 17 at the end of the chapter for points</p> <p>Thursday--Friday--microscope lab</p>	<p>Chapter 1 power point notes</p> <p>page 17 #11-25</p> <p>Microscope 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

and independent variables			
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