

**Daily Lesson Plans  
Chapter 2--Chemistry  
of life**

**Academic Biology**

**Oct 7-11, 2019**

**Mrs. Linda Henry  
Unit: Biology**

| <b>Standards with Objectives</b>  | <b>Activities</b>  | <b>Evaluation</b>   | <b>Enrichments</b>   |
|---|--|---|--|
| <p>1. <b>3.1.10A5—relate life processes to cellular and sub-cellular levels structures and functions</b></p> <p>2. list the parts of the cell theory</p> <p>3. differentiate between prokaryotes and eukaryotes</p> <p>4. list and give the functions of the organelles</p> <p>5. explain the function of the cell membrane</p> <p>6. differentiate between passive transport and active transport.</p> | <p>Monday--Wednesday --go over tests and then pass out the power notes and study guides for Chapter 3. Assign the HW for each section covered in the class</p> <p>Thursday--Cells Alive internet activity</p> <p>Friday--seat work on a packet on cells and their organelles</p> | <p>Power notes for Chapter 3</p> <p>Study guide for Chapter 3</p> <p>Cells Alive worksheet</p> <p>Cells and their organelles packet</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"> <li>1. Concept map</li> <li>2. Word search</li> <li>3. Critical thinking essays</li> <li>4. Flashcards</li> <li>5. Section reviews</li> <li>6. Chapter reviews</li> <li>7. Read chapter highlights</li> </ol> |

---

Daily Lesson Plans  
Chapter 3--Cells

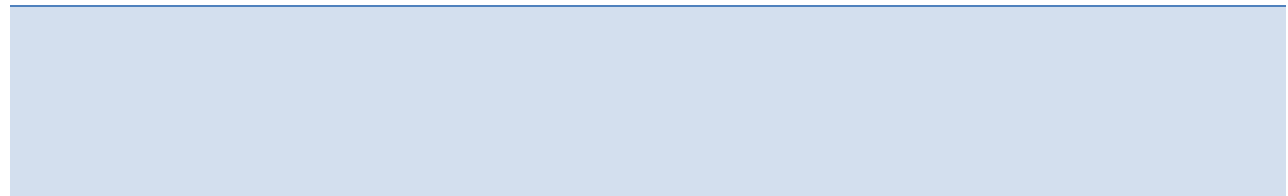
Biology Laboratory  
(Every other day)

Oct.7-11, 2019

Mrs. Linda Henry  
Unit: Intro to  
Biology

PA Academic  
Standards and  
Objectives

| Objectives  | Activities   | Evaluations                                   | Enrichment   |
|---|--|---|--|
| 1. <b>3.1.10A5—relate life processes to cellular and sub-cellular levels structures and functions</b> | SAS packet #1 on Biochemistry and Enzymes                | Keystone practice on biochemistry and enzymes | Go Online! To HMDSscience.com For virtual labs, poison frogs and Biozine articles  |
| 2. <b>3.1.10.A6—identify the advantages of multicellularity in organisms</b>                          | Cell lab--differentiating between plant and animal cells | Microscope lab on cells                       | Adaptations for activities and tutoring:<br>1. Concept map<br>2. Word search<br>3. Critical thinking essays<br>4. Flashcards<br>5. Section reviews<br>6. Chapter reviews<br>7. Read chapter highlights |
| 3. <b>students will analyze and classify tools used in biology</b>                                    |  |   |  |



**Daily Lesson Plans  
Chapter 4--Tissues**

**Introduction  
to Human  
Biology**

**Oct. 7-11,  
2019**

**Mrs. Linda Henry  
Unit: organization of  
the 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 | Monday----Thur sday--continue notes and assign the appropriate sections in the study guide |                       | Try clinical applications on page 24-25 in your text for practice in higher critical thinking skills. |
| 2. differentiate between prokaryotic and eukaryotic cells                                    | Friday--begin the Tissue lab with microscope and prepared slides                           | Chapter 4 Notes       | Adaptations for tutoring and activities:  |
| 3. list the organelles and what their functions are  |  | Chapter 4 study guide | 1. Concept maps   |
| 4. differentiate mitosis and meiosis   |  | Tissue type lab       | 2. Word search  |
| 5. list the steps in protein synthesis that occurs in human body cells                       |  |                       | 3. Critical thinking essays   |
|  |  |                       | 4. Flashcards   |
|  |  |                       | 5. Section reviews  |
|  |  |                       | 6. Chapter reviews  |
|  |  |                       | 7. Read chapter highlight   |

| Daily Lesson Plans<br>Chapter 2--Crime<br>Scenes   | Introduction to<br>Forensics (B<br>days--every other<br>day)                               | Oct 7--11 2019   | Mrs. Linda Henry<br>Unit:Crime scenes<br>and criminal profiles   |
|--|--|--|--|
| PA Academic<br>Standards with<br>Objectives  | Activities   | Evaluations  | Enrichment   |
| <ol style="list-style-type: none"> <li>1. <b>3,4,10.A-technology and how it impacts scientific endeavors</b></li> <li>2. <b>3.1.10.B4—explain how technologies have impacted the field of forensics.</b></li> <li>3. List and explain the development of forensics through time</li> <li>4. explain the cooperation</li> </ol> | <p>Tuesday and Thursday--begin chapter on crime scenes...notes and handouts for review</p> | <p>Chapter 2 notes on crime scenes and how to process them</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"> <li>1. Concept maps</li> <li>2. Word search</li> <li>3. Critical thinking essays</li> <li>4. Flashcards</li> <li>5. Section reviews</li> <li>6. Chapter reviews</li> <li>7. Read chapter highlights</li> </ol> |

between the law  
and forensics

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

| Daily Lesson Plans<br>Chapter 4--Cells   | Advanced Biology  | Oct. 7--11, 2019  | Mrs. Linda Henry<br>Unit: Review of Basic<br>Biology   |
|--|---|---|--|
| PA Standards with<br>Objectives  | Activities  | Evaluations   | Enrichment   |
| <p>7.</p> <p><b>3.1.10A5—re late life processes to cellular and sub-cellular levels structures and functions</b></p> <ol style="list-style-type: none"> <li>1. list the cell theory and how it pertains to the characteristics of life</li> <li>2. differentiate between prokaryotes and eukaryotes</li> <li>3. list the organelles and their functions</li> </ol> | <p>Monday--Thursday--go over tests and begin notes and HW on Chapter 4 Cells</p> <p>Friday--lab on differentiating prokaryotic and eukaryotic cells</p> | <p>Chapter 4--notes on cells</p> <p>HW pages in the end of the chapter</p> <p>Worksheet on Pro-vs. Eukaryotic cells</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"> <li>1. Concept maps</li> <li>2. Word search</li> <li>3. Critical thinking essays</li> <li>4. Flashcards</li> <li>5. Section reviews</li> <li>6. Chapter reviews</li> <li>7. Read chapter highlights</li> </ol> |