

Daily Lesson Plans Chapter 4--Cells Replication	Academic Biology	Nov. 18-21, 2019	Mrs. Linda Henry Unit: Cell Biology
Standards with Objectives	Activities	Evaluation	Enrichments
1. <b>3.1.10A5—relate life processes to cellular and sub-cellular levels structures and functions</b>	Monday---No school  Tuesday--Video review of photosynthesis and respiration	Bozeman video on Cell energy	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!
2. Explain the importance of the surface area to volume ratio in cells	Wednesday--Mrs. Opfar discussing career portfolio (if she cannot attend, then pass out the Chapter 4 review packets for students to work on)	Career planning with Mrs. Opfar	Adaptations for activities and tutoring:
3. describe the importance of the interphase of the cell cycle.	Chapter 4 review packets for students to work on)	Chapter 4 review packets	<ol style="list-style-type: none"> <li>1. Concept map</li> <li>2. Word search</li> <li>3. Critical thinking essays</li> </ol>
4. explain	Thursday--continue packet and review for test	Test on Photosynthesis, respiration and fermentation	<ol style="list-style-type: none"> <li>4. Flashcards</li> <li>5. Section reviews</li> </ol>
	Friday--Test on Chapter 4		<ol style="list-style-type: none"> <li>6. Chapter reviews</li> <li>7. Read chapter highlights</li> </ol>

**Daily Lesson Plans  
Chapter 5--Cell  
Replication**

**Biology Laboratory  
(Every other day)**

**Nov. 18-21, 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  
demonstrate  
the steps in the  
mitotic cycle  
and explain  
each step**

Mitosis Flipbook  
Project, each student  
will create a flipbook  
with the steps of  
mitosis

Mitosis flipbook  
project

Go Online! To  
HMDSscience.com  
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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

Daily Lesson Plans Chapter 6--9 Skeletal system	Introduction to Human Biology	Nov. 18-21, 2019	Mrs. Linda Henry Unit: Supportive body systems
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. list the functions of bone tissue</p> <p>3. explain the differences between spongy and compact bone</p> <p>4. label and describe the functions of the parts of the long bone</p> <p>5. name and identify the major bones of the skeleton.</p> <p>6. differentiate endochondral bone formation and intra membranous bone formation</p>	<p>Monday---Wedneseday--finish notes and quiz on the skeleton.</p> <p>Ankle and knee joint article and their physical re-hab</p> <p>Thursday-Friday-Skeletal bone laboratory--students look at a disarticulated skeleton and name the parts</p>	<p>Power point notes on Chapter 6 on skeleton next chapter</p> <p>Ankle and Knee joints</p> <p>Skeletal 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"> <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 highlight</li> </ol>

Daily Lesson Plans Chapter 2--Crime Scenes	Introduction to Forensics (B days--every other day)	Nov. 18-21, 2019	Mrs. Linda Henry Unit:Crime scenes and criminal profiles
PA Academic Standards with Objectives	Activities	Evaluations	Enrichment
1. <b>3,4,10.A-technology and how it impacts scientific endeavors</b>	Tuesday--Crime Scene analysis "Dinner for Two" processing the crime scene		Try clinical applications on page 24-25 in your text for practice in higher critical thinking skills.
2. <b>3.1.10.B4—explain how technologies have impacted the field of forensics.</b>	Thursday--review crime scene processing with worksheet and video	Crime Scene collection of evidence and re-creation of the crime scene diagrams	Adaptations for tutoring and activities:
3. List and explain the steps in processing a crime scene		Review for test	<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>

4. list the duties of the first responder
5. explain the duties of the medical examiner/coroner
6. process a mock crime scene

Daily Lesson Plans Chapter 8--Cellular respiration	Advanced Biology	Nov. 18-21, 2019	Mrs. Linda Henry Unit: Cell Biology
PA Standards with Objectives	Activities	Evaluations	Enrichment
5. <b>3.1.10A5—relate life processes to cellular and sub-cellular levels structures and functions</b>	Monday-Virtual lab on cellular respiration  Tuesday--Thursday--finish notes and study guide for HW	Chapter 5 notes and HW	Try clinical applications on page 24-25 in your text for practice in higher critical thinking skills.

