

**Daily Lesson Plans  
Chapter 6--Meiosis  
and genetics**

**Academic Biology**

**Jan 13-17, 2020**

**Mrs. Linda Henry  
Unit: Heredity**

**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---Tuesday--review for Midterm on Wednesday	Midterm review and 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!
2.	assess student knowledge of mitosis and the cell cycle	Wednesday--Midterm on Chapters 1--6	Review for test on Meiosis and genetics	
3.	list the different types of chromosomes in an individual	Thursday--go over midterm and then review for Test on Chapter 6	Notebook collection	Adaptations for activities and tutoring: <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>
4.	explain what information a karyotype can provide	Friday--Collect 2nd quarter notebooks		
5.	list the differences between mitosis and meiosis	=		
6.	list the steps in meiosis			
7.	explain homologous chromosomes			

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**Daily Lesson Plans  
Chapter 6--Genetics**

**Biology Laboratory  
(Every other day)**

**Jan 13-17, 2020**

**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**

Karyotype  
lab--students will  
formulate a  
karyotype for a  
normal individual  
a. normal male  
b. abnormal  
karyotype  
Middle of the year  
test on labs

Karyotype labs I and  
II  
  
Middle of the year  
test on labs

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

**Daily Lesson Plans**  
**Chapter 10-Muscular**  
**system**

**Introduction to**  
**Human Biology**

**Jan 13-17 2020**

**Mrs. Linda Henry**  
**Unit: Supportive body**  
**systems**

**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---FTuesday--review for Final	Midterm review and test	Try clinical applications on page 24-25 in your text for practice in higher critical thinking skills.
2. list the functions of the muscle system	Wednesday--Mid term on Chapters 1--21	Fetal pig dissection	Adaptations for tutoring and activities:
3. label the parts of the sarcomere	Thursday--dissection of the pig		1. Concept maps
4. name the superficial muscles of the body	Friday--finish dissection		2. Word search
5. explain the action potential of the muscle contraction			3. Critical thinking essays
			4. Flashcards
			5. Section reviews
			6. Chapter reviews
			7. Read chapter highlight

Daily Lesson Plans Chapter 16--fingerprint evidence	Introduction to Forensics (B days--every other day)	Jan 13-17, 2020	Mrs. Linda Henry Unit: Individual evidence
PA Academic Standards with Objectives	Activities	Evaluations	Enrichment
1. <b>3,4,10.A-technology and how it impacts scientific endeavors</b>	Monday--open notes test on Chapter 3--Evidence	Chapter 3 Test on Evidence	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>	Wednesday and Friday--begin unit on Fingerprints.	Fingerprint unit..	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 highlights
3. differentiate between direct and indirect evidence			
4. list problems with direct evidence			
5. separate types of evidence by categories:			

ballistics, trace,  
fingerprint, etc

Daily Lesson Plans Chapter 20-Pathology Unit	Advanced Biology	Jan 13-17,2020	Mrs. Linda Henry Unit: Viruses, bacteria and immunology
PA Standards with Objectives	Activities	Evaluations	Enrichment
<p>8. <b>3.1.10A5—relate life processes to cellular and sub-cellular levels structures and functions</b></p> <ol style="list-style-type: none"> <li>1. explain the differences between interphase and mitosis</li> <li>2. differentiate between G1 and G2 and Go</li> </ol>	<p>Monday--Tuesday-study hall due to only 6 students in the class because of Keystone testing</p> <p>Wednesday--review for the test</p> <p>Thursday--Test on Chapter 9 Mitosis</p> <p>Friday--assembly and volleyball</p>	<p>Chapter 9 power point</p> <p>study guide for Chapter 9</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> </ol>

<p>3. describe the steps in mitosis</p> <p>4. explain the controls over the mitotic cycle</p> <p>5. explain how cancer may result</p>			<p>7. Read chapter highlights</p>
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