

<b>Daily Lesson Plans Chapter 8--DNA and protein synthesis</b>	<b>Academic Biology</b>	<b>Mar 9-12, 2020</b>	<b>Mrs. Linda Henry Unit: Heredity</b>
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<b>Standards with Objectives</b>	<b>Activities</b>	<b>Evaluation</b>	<b>Enrichments</b>
1. <b>3.1.10A5—relate life processes to cellular and sub-cellular levels structures and functions</b>	Monday--review for test  Tuesday--Test on Chapter 8, students should start reading the chapter on evolution	Review for 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 DNA, RNA and protein synthesis 3. list some of theories of evolution 4. list and explain the types of evidence for evolution 5. differentiate between artificial selection and natural selection 6.	Wednesday-Thursday--go over test. Pass out the power notes and study guides for the chapter on evolution	Test on Chapter 8  Power notes and study guides for evolution	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>

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**Daily Lesson Plans  
Chapter 8--DNA and  
protein synthesis**

**Biology Laboratory  
(Every other day)**

**Mar. 9-12,2020**

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

**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. demonstrate  
how sex linked  
factors are  
passed along**
- 4. explain how co  
dominant and  
incomplete  
dominance is  
differentiated**

A Dog's tale--video  
and worksheet how  
genetics and  
domestication have  
changed the various  
types of dog breeds

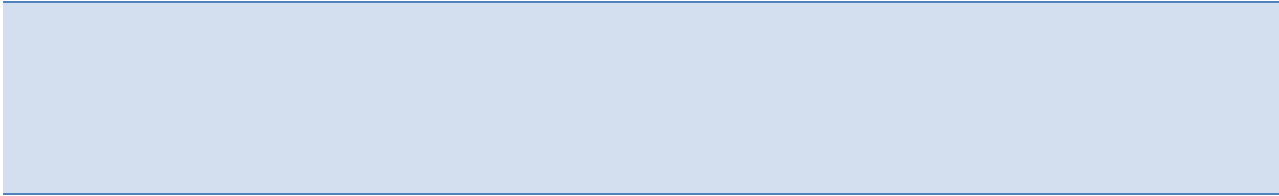
Peppered Moth  
activity and graph

Video on a Dog's  
Tale

Peppered Moth lab

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 3--stains and  
microscopy**

**Introduction to  
Microbiology**

**March 9-12,2020**

**Mrs. Linda Henry  
Unit: Microbes in  
Society**

**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>Monday -Tuesday--finish chapter review and then the -Chapter 3 Exam</p>	<p>Chapter 3 review for test</p>	<p>Try clinical applications on page 24-25 in your text for practice in higher critical thinking skills.</p>
<p>2. list the developments in the history of microbiology</p>	<p>Wednesday-Thur sday--go over test and begin Chapter 4 on</p>	<p>Chapter 3 test Chapter 4 notes and HW for</p>	<p>Adaptations for tutoring and activities:</p>
<p>3. differentiate between prokaryotes and eukaryotes</p>	<p>Pro-and Eukaryotic cells that are microbes</p>	<p>Prokaryotes and Eukaryotes</p>	<p>1. Concept maps 2. Word search 3. Critical thinking essays 4. Flashcards 5. Section reviews 6. Chapter reviews 7. Read chapter highlight</p>
<p>4. list the steps in Kochs postulates</p>			
<p>5. explain the development of antimicrobial drugs to control microbe infection</p>			
<p>6. assess student knowledge of microscopy and stains</p>			

Daily Lesson Plans Chapter 12--Hairs and fibers	Introduction to Forensics (B days--every other day)	March 9-12, 2020	Mrs. Linda Henry Unit: Class evidence
PA Academic Standards with Objectives	Activities	Evaluations	Enrichment
1. <b>3,4,10.A-technology and how it impacts scientific endeavors</b>	Monday-Hair evidence lab...	Power notes on hair 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--Thurs day--finish notes on types of fibers and assign worksheet on fiber evidence review	handouts and HW  laboratory on microscopic hair analysis	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. assess student knowledge of fingerprints, how they are unique and how they can be processed			

4. differentiate the layers of hair
5. explain the 3 types of hair stages

Daily Lesson Plans Chapter 31--Animal Anatomy	Advanced Biology	March 9-12 ,2020	Mrs. Linda Henry Unit: Body systems
PA Standards with Objectives	Activities	Evaluations	Enrichment
<p>7. <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 structures in bones and how the skeletal</li> </ol>	<p>Monday and Tuesday--complete the review for the unit.</p> <p>Wednesday--Test on Chapter 31 on Animal Anatomy</p>	<p>Chapter power notes on 11 body systems of animals</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> </ol>

<p>system interacts with other structures.</p> <p>2. list and describe the other 11 body systems and how they interact</p>	<p>Thursday-Friday--</p> <p>Begin chapter on Evolution with notes and questions from the textbook</p>		<p>4. Flashcards</p> <p>5. Section reviews</p> <p>6. Chapter reviews</p> <p>7. Read chapter highlights</p>
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