

<b>Daily Lesson Plans Chapter 8--DNA and protein synthesis</b>	<b>Academic Biology</b>	<b>Feb 18-21, 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--No School  Tuesday--Thursday--continue the notes on RNA,		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. describe the 3 components of DNA	transcription and translation Assign appropriate study guide sections for HW	Chapter 8 power notes and study guide	Adaptations for activities and tutoring:
3. describe the 3 components of RNA	Friday--Nucleic Acids packet for seatwork	Nucleic acid packet	1. Concept map
4. differentiate between DNA and RNA			2. Word search
5. explain the duties of the 3 types of RNA			3. Critical thinking essays
6. explain transcription			4. Flashcards
7. explain translation			5. Section reviews
8. describe the various types of mutations			6. Chapter reviews
9.			7. Read chapter highlights

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

**Biology Laboratory  
(Every other day)**

**Feb. 18-21, 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**

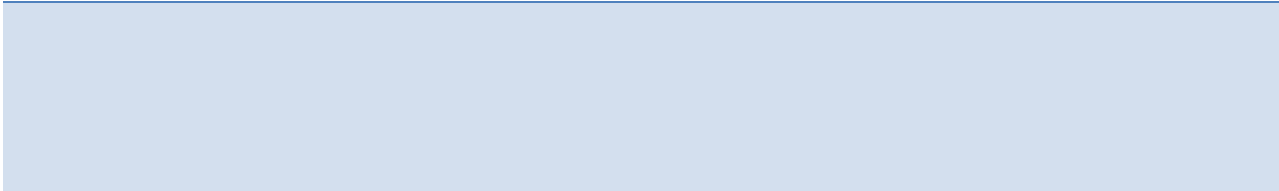
DNA from the  
beginning activity

Interactive computer  
programs that show  
the process of the  
central dogma of  
biology

learn Genetics  
webquest

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	Feb 18-21, 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>2. list the developments in the history of microbiology</p> <p>3. differentiate between prokaryotes and eukaryotes</p> <p>4. list the steps in Kochs postulates</p> <p>5. explain the development of antimicrobial drugs to control microbe infection</p>	<p>Monday -NO SCHOOL</p> <p>Tuesday--Friday- ( Quiz on common bacteria on Wednesday)</p> <p>-give back tests and begin the chapter on microscopes and staining techniques.</p> <p>Assign pages 70-71</p>	<p>Quiz on common bacteria on Wednesday</p> <p>Chapter 3 notes and page 74 in textbook for HW</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 12--Hairs and fibers	Introduction to Forensics (B days--every other day)	Feb. 18-21, 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>	Tuesday--Test on fingerprints, students begin reading chapter on hair and fiber 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>	Thursday--go over tests and begin notes and worksheets on hair evidence	Chapter 16 test on fingerprints	Adaptations for tutoring and activities:
3. assess student knowledge of fingerprints, how they are unique and how they can be processed		Power notes on hair evidence	<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. differentiate the layers of hair		Worksheet on microscopic hair analysis	

5. explain the 3 types of hair stages

Daily Lesson Plans Chapter 31--Animal Anatomy	Advanced Biology	Feb. 18-21 ,2020	Mrs. Linda Henry Unit: Body systems
PA Standards with Objectives	Activities	Evaluations	Enrichment
<p>10. <b>3.1.10A5—re late life processes to cellular and sub-cellular levels structures and functions</b></p> <p>1. explain the structures in bones and how the skeletal system interacts with</p>	<p>Monday and Tuesday--presentati ons on their selected disease</p> <p>Wednesday--Friday- -continue discussion of muscular, and endocrine systems</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> <li>4. Flashcards</li> <li>5. Section reviews</li> </ol>

<p>other structures.</p> <p>2. list and describe the other 11 body systems and how they interact</p>			<p>6. Chapter reviews</p> <p>7. Read chapter highlights</p>
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