

Daily Lesson Plans Chapter 8--DNA and protein synthesis	Academic Biology	Feb 24-28, 2020	Mrs. Linda Henry Unit: Heredity
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Standards with Objectives	Activities	Evaluation	Enrichments
1. 3.1.10A5—relate life processes to cellular and sub-cellular levels structures and functions	Monday--Finish bozeman science video on DNA and RNA Tuesday--Thursday--		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	finish power notes and study guide	Chapter 8 power notes and study guide	Adaptations for activities and tutoring: <ol style="list-style-type: none"> 1. Concept map 2. Word search 3. Critical thinking essays 4. Flashcards 5. Section reviews 6. Chapter reviews 7. Read chapter highlights
3. describe the 3 components of RNA	Friday--discuss mutations and translation review	Video worksheets	
4. differentiate between DNA and RNA		Mutations worksheet	
5. explain the duties of the 3 types of RNA		Review of transcription and translation	
6. explain transcription			
7. explain translation			
8. describe the various types of mutations			
9.			

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

**Biology Laboratory
(Every other day)**

Feb. 24-28, 2020

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

**PA Academic
Standards and
Objectives**

Activities

Evaluations

Enrichment

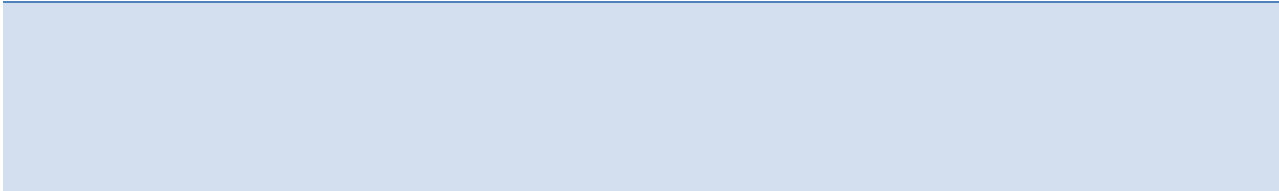
- 1. 3.1.10A5—
relate life
processes to
cellular and
sub-cellular
levels
structures and
functions**
- 2. 3.1.10.A6—ide
ntify the
advantages of
multicellularit
y in organisms**
- 3. demonstrate
how sex linked
factors are
passed along**
- 4. explain how co
dominant and
incomplete
dominance is
differentiated**

Recovering the
Romanovs project on
use of DNA and
mtDNA to identify
bodies in a mass
grave

Recovering the
Romanovs packet

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 24-28, 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 -Tuesday--finish notes and assign page 71 multiple choice and critical thinking questions</p> <p>Wednesday--Thursday--Gram staining lab</p> <p>Friday--study guide packet on Chapter 3</p>	<p>Chapter 3 notes and page 74 in textbook for HW</p> <p>Gram staining lab</p> <p>Study guide packet</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"> 1. Concept maps 2. Word search 3. Critical thinking essays 4. Flashcards 5. Section reviews 6. Chapter reviews 7. Read chapter highlight

Daily Lesson Plans Chapter 12--Hairs and fibers	Introduction to Forensics (B days--every other day)	Feb. 24-28, 2020	Mrs. Linda Henry Unit: Class evidence
PA Academic Standards with Objectives	Activities	Evaluations	Enrichment
1. 3,4,10.A-technology and how it impacts scientific endeavors	Monday--Wednesday--begin notes and worksheets on hair evidence. Assign reviews and HW	Power notes on hair evidence handouts and HW	Try clinical applications on page 24-25 in your text for practice in higher critical thinking skills.
2. 3.1.10.B4—explain how technologies have impacted the field of forensics.	Friday--Hair evidence lab...	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	Feb. 24-28 ,2020	Mrs. Linda Henry Unit: Body systems
PA Standards with Objectives	Activities	Evaluations	Enrichment
<p>10. 3.1.10A5—re late life processes to cellular and sub-cellular levels structures and functions</p> <p>1. explain the structures in bones and how the skeletal system interacts with</p>	<p>Monday and Tuesday--continue discussion of muscular, and endocrine systems</p> <p>Assign worksheets to coordinate with notes</p> <p>Wednesday--Friday--Respiratory, Integumentary and Circulatory</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"> 1. Concept maps 2. Word search 3. Critical thinking essays 4. Flashcards 5. Section reviews

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