

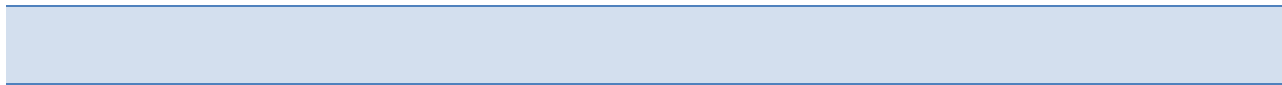
Daily Lesson Plans Chapter 8--DNA and protein synthesis	Academic Biology	Mar 2-6 2020	Mrs. Linda Henry Unit: Heredity
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Standards with Objectives	Activities	Evaluation	Enrichments
1. 3.1.10A5—relate life processes to cellular and sub-cellular levels structures and functions	Monday--finish notes on mutations. Video and handout on types of mutations Tuesday--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. describe the 3 components of DNA	Wednesday--Test on Chapter 8	Chapter 8 power notes and study guide	Adaptations for activities and tutoring:
3. describe the 3 components of RNA	Thursday--go over test. Pass out the power notes and study guides for the chapter on evolution	Mutations worksheet	1. Concept map
4. differentiate between DNA and RNA		How mutations affect diabetes worksheet	2. Word search
5. explain the duties of the 3 types of RNA	Friday--continue notes on early earth history and it's impact on life		3. Critical thinking essays
6. explain transcription		REview forTest	4. Flashcards
7. explain translation		TEst on Chapter 8	5. Section reviews
8. describe the various types of mutations		Power notes and study guides for evolution	6. Chapter reviews
9. assess student knowledge of DNA, RNA and protein synthesis			7. Read chapter highlights

Daily Lesson Plans Chapter 8--DNA and protein synthesis	Biology Laboratory (Every other day)	Mar.2-6,2020	Mrs. Linda Henry Unit: Intro to Genetics
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PA Academic Standards and Objectives	Activities	Evaluations	Enrichment
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| <ol style="list-style-type: none"> 1. 3.1.10A5—relate life processes to cellular and sub-cellular levels structures and functions 2. 3.1.10.A6—identify the advantages of multicellularity in organisms 3. demonstrate how sex linked factors are passed along 4. explain how co dominant and incomplete dominance is differentiated | <p>Recovering the Romanovs project on use of DNA and mtDNA to identify bodies in a mass grave</p> | <p>Recovering the Romanovs packet</p> | <p>Go Online! To HMDSscience.com For virtual labs, poison frogs and Biozine articles</p> <p>Adaptations for activities and tutoring:</p> <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 |
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Daily Lesson Plans	Introduction to	March 2-6,2020	Mrs. Linda Henry
Chapter 3--stains and microscopy	Microbiology		Unit: Microbes in Society
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 -Tuesday--finish chapter review	Chapter 3 notes and page 74 in textbook for HW	Try clinical applications on page 24-25 in your text for practice in higher critical thinking skills.
2. list the developments in the history of microbiology	Wednesday--Chapter 3 Exam	Gram staining lab	Adaptations for tutoring and activities:
3. differentiate between prokaryotes and eukaryotes	Thursday--Friday --go over test and begin Chapter 4 on Pro-and Eukaryotic cells that are microbes	Study guide packet	1. Concept maps 2. Word search 3. Critical thinking essays 4. Flashcards 5. Section reviews 6. Chapter reviews 7. Read chapter highlight
4. list the steps in Kochs postulates			
5. explain the development of antimicrobial drugs to control microbe infection			
6. assess student knowledge of microscopy and stains			

Daily Lesson Plans Chapter 12--Hairs and fibers	Introduction to Forensics (B days--every other day)	March 2-6, 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
3. assess student knowledge of fingerprints,			

<p>how they are unique and how they can be processed</p> <p>4. differentiate the layers of hair</p> <p>5. explain the 3 types of hair stages</p>	<p>5. Section reviews</p> <p>6. Chapter reviews</p> <p>7. Read chapter highlights</p>
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Daily Lesson Plans Chapter 31--Animal Anatomy	Advanced Biology	March 2-6, ,2020	Mrs. Linda Henry Unit: Body systems
PA Standards with Objectives	Activities	Evaluations	Enrichment
<p>10. 3.1.10A5—relate life processes to cellular and sub-cellular levels structures and functions</p>	<p>Monday and Tuesday--complete the review for the unit.</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. explain the structures in bones and how the skeletal system interacts with other structures. 2. list and describe the other 11 body systems and how they interact 	<p>Wednesday--Test on Chapter 31 on Animal Anatomy</p> <p>Thursday-Friday--Begin chapter on Evolution with notes and questions from the textbook</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 highlights
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