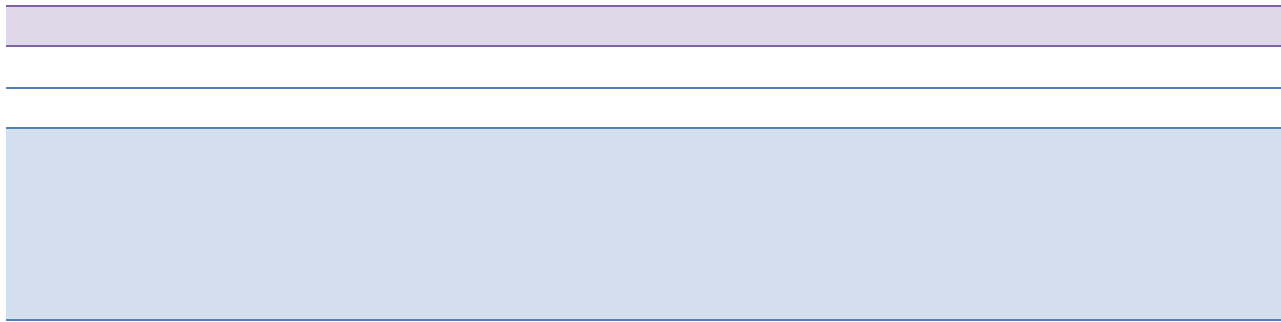


Daily Lesson Plans Chapter 4--Cells and Energy	Academic Biology	Nov. 4-8, 2019	Mrs. Linda Henry Unit: Cell Biology
Standards with Objectives	Activities	Evaluation	Enrichments
1. 3.1.10A5—relate life processes to cellular and sub-cellular levels structures and functions	Monday---Notes on respiration in detail, Assign study guide section 5 for HW	Chapter 4 power notes	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. list the importance of ATP and how it regenerates	Tuesday--go over HW and then show short video about the tylenol deaths in Chicago and how it affects the ETC.	Chapter 4 study guide	
3. list the overall steps in photosynthesis	Have students answer questions	Worksheet on Respiration	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
4. list the specific steps in the light reactions and the Calvin cycle	Wednesday--finish notes on fermentation. Assign section 6 of the study guide	Bozeman video on Cell energy	
5. list the overall steps of cellular respiration	Thursday--Pass out the Packet on cellular respiration. Students will use their chromebooks and online text to answer questions		
6. list the specific steps in glycolysis and the Kreb's cycle			
7. describe the importance of the carbon cycle			
	Friday--Review Video on photosynthesis and respiration		

Daily Lesson Plans Chapter 4--Cell energy	Biology Laboratory (Every other day)	Nov. 4--8, 2019	Mrs. Linda Henry Unit: Intro to Biology
PA Academic Standards and Objectives	Activities	Evaluations	Enrichment
<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—ide ntify the advantages of multicellularit y in organisms 3. students will analyze and classify tools used in biology 	<p>Virtual labs on photosynthesis--two sites to gather information about the types of light and temperature for optimum photosynthesis. Students will write a formal lab report.</p> <p>Chromatography lab separating pigments from leaves</p>	<p>Photosynthesis formal lab report</p> <p>chromatography lab</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



Daily Lesson Plans Chapter 6--9 Skeletal system	Introduction to Human Biology	Nov. 4--8, 2019	Mrs. Linda Henry Unit: Supportive body systems
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 functions of bone tissue</p> <p>3. explain the differences between spongy and compact bone</p> <p>4. label and describe the functions of the parts of the long bone</p> <p>5. name and identify the major bones of the skeleton.</p> <p>6. differentiate endochondral bone formation and intra</p>	<p>Monday---Wednes day--continue notes on bone tissue and begin learning the major bones (75) of the skeleton</p> <p>Thursday--assign the study guide for Chapters 6--9 and begin differentiating the bones</p> <p>Friday--Skeletal bone laboratory--students look at a disarticulated skeleton and name the parts</p>	<p>Power point notes on Chapter 6 on skeleton next chapter</p> <p>Study guide for Chapters 6--9</p> <p>Skeletal lab</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

membranous
bone formation

Daily Lesson Plans Chapter 2--Crime Scenes	Introduction to Forensics (B days--every other day)	Nov. 4--8, 2019	Mrs. Linda Henry Unit:Crime scenes and criminal profiles
PA Academic Standards with Objectives	Activities	Evaluations	Enrichment
1. 3,4,10.A-technology and how it impacts scientific endeavors	Tuesday--Crime Scene analysis "Dinner for Two" processing the crime scene.	CSI web adventures	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	Thursday--review crime scene processing with	Crime Scene collection of	Adaptations for tutoring and activities: 1. Concept maps 2. Word search

<p>the field of forensics.</p> <ol style="list-style-type: none"> 3. List and explain the steps in processing a crime scene 4. list the duties of the first responder 5. explain the duties of the medical examiner/coroner 6. process a mock crime scene 	<p>worksheet and video</p>	<p>evidence and re-creation of the crime scene diagrams</p>	<ol style="list-style-type: none"> 3. Critical thinking essays 4. Flashcards 5. Section reviews 6. Chapter reviews 7. Read chapter highlights
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<p>Daily Lesson Plans Chapter 5--Cell membrane</p>	<p>Advanced Biology</p>	<p>Nov. 4-8 2019</p>	<p>Mrs. Linda Henry Unit: Cell Biology</p>
<p>PA Standards with Objectives</p>	<p>Activities</p>	<p>Evaluations</p>	<p>Enrichment</p>
<p>8. 3.1.10A5—re</p>	<p>Monday--Wednesday continue</p>		<p>Try clinical applications on page</p>

<p>late life processes to cellular and sub-cellular levels structures and functions</p> <ol style="list-style-type: none"> list the molecules and their functions in the cell membrane state the various types of proteins and their work within the cell membrane differentiate between diffusion and facilitated diffusion differentiate passive and active transport 	<p>discussing the cell membrane, and assigning sections of the study guide packet,</p> <p>Thursday--pass out the case study of cystic fibrosis...students will read and answer the questions concerning a child with a mutation in her transport channel of her cells</p> <p>Friday--collect handout and finish notes on Chapter 5. Complete study guide.</p>	<p>Chapter 5 notes and HW</p> <p>A case of cystic fibrosis</p> <p>Chapter 5 study guide for cell membranes</p>	<p>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"> Concept maps Word search Critical thinking essays Flashcards Section reviews Chapter reviews Read chapter highlights
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