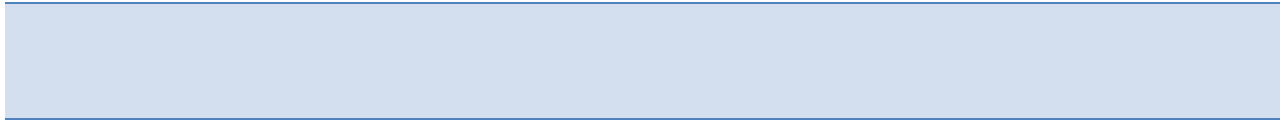


Daily Lesson Plans Chapter 4--Cells and Energy	Academic Biology	Oct 28-31, 2019	Mrs. Linda Henry Unit: Cell Biology
Standards with Objectives	Activities	Evaluation	Enrichments
<p>1. 3.1.10A5—relate life processes to cellular and sub-cellular levels structures and functions</p> <p>2. list the importance of ATP and how it regenerates</p> <p>3. list the overall steps in photosynthesis</p> <p>4. list the specific steps in the light reactions and the Calvin cycle</p> <p>5. list the overall steps of cellular respiration</p> <p>6. list the specific steps in glycolysis and the Krebs cycle</p> <p>7. describe the importance of the carbon cycle</p>	<p>Monday---Wednesday--notes on photosynthesis. Assign study guide packet. Pass out the Mitochondria and chloroplast packet for seatwork</p> <p>Thursday--classwork on photosynthesis</p>	<p>Chapter 4 power notes</p> <p>Chapter 4 study guide</p> <p>Mitochondria and chloroplast packet</p> <p>Photosynthesis worksheet</p>	<p>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!</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

<p>Daily Lesson Plans Chapter 4--Cell energy</p>	<p>Biology Laboratory (Every other day)</p>	<p>Oct.28-31, 2019</p>	<p>Mrs. Linda Henry Unit: Intro to Biology</p>
<p>PA Academic Standards and Objectives</p>	<p>Activities</p>	<p>Evaluations</p>	<p>Enrichment</p>
<p>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. students will analyze and classify tools used in biology</p>	<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. Chromatography lab separating pigments from leaves</p>	<p>Photosynthesis formal lab report chromatography lab</p>	<p>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</p>



Daily Lesson Plans Chapter 4--Tissues	Introduction to Human Biology	Oct. 28-31, 2019	Mrs. Linda Henry Unit: organization of the body
PA Academic Standards and Objectives	Activities	Evaluations	Enrichment
3.1.10.A5—relate the life processes of cellular and subcellular structures to their function 2. assess student knowledge of tissues in the body	Monday----Tues day--complete the notes on aging in tissues and cancer. Wednesday--re view for test. Thursday--Test on Tissues....	Review for test Test on Chapter 4 Power point notes on Chapter 6 on skeleton next chapter	Try clinical applications on page 24-25 in your text for practice in higher critical thinking skills. 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 highlight

Daily Lesson Plans Chapter 2--Crime Scenes PA Academic Standards with Objectives	Introduction to Forensics (B days--every other day) Activities	Oct 28-31, 2019 Evaluations	Mrs. Linda Henry Unit:Crime scenes and criminal profiles Enrichment
<ol style="list-style-type: none"> 1. 3,4,10.A-technology and how it impacts scientific endeavors 2. 3.1.10.B4—explain how technologies have impacted the field of forensics. 3. List and explain the development of forensics through time 4. explain the cooperation between the law and forensics 5. differentiate between the 	<p>Tuesday--Rookie Training on DNA profiling, toxicology and ballistics.</p> <p>Thursday--Crime Scene analysis "Dinner for Two" processing the crime scene.</p>	<p>CSI web adventures</p> <p>Crime Scene collection of evidence and re-creation of the crime scene diagrams</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 highlights

<p>Frye and Daubert rulings</p> <p>6. explain the responsibilities of a forensic expert</p>

Daily Lesson Plans Chapter 4--Cells	Advanced Biology	Oct. 28-31, 2019	Mrs. Linda Henry Unit: Review of Basic Biology
PA Standards with Objectives	Activities	Evaluations	Enrichment
<p>8. 3.1.10A5—relate life processes to cellular and sub-cellular levels structures and functions</p> <p>1. list the cell theory and how it pertains to the characteristics of life</p>	<p>Monday--review for test and then begin Chapter 5 on cell membranes and homeostasis</p> <p>Tuesday--Test on cells</p> <p>Wednesday-thursday--give back tests and continue discussing the cell membrane.</p>	<p>Cell lab</p> <p>Test on Chapter 4</p> <p>Chapter 5 notes and 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"> 1. Concept maps 2. Word search 3. Critical thinking essays 4. Flashcards

Act 80 day Friday

<ol style="list-style-type: none">2. differentiate between prokaryotes and eukaryotes3. list the organelles and their functions			<ol style="list-style-type: none">5. Section reviews6. Chapter reviews7. Read chapter highlights
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