

New QTR 3 starts this week.

Daily Lesson Plans Chapter 7--Human Genetics	Academic Biology	Jan.21--25, 2019	Mrs. Linda Henry Unit: Heredity
Standards with Objectives	Activities	Evaluation	Enrichments
1. <b>3.1.10A5—relate life processes to cellular and sub-cellular levels structures and functions</b>	Monday--No school  Tuesday--Pass out the power notes and study guide for Chapter 7 and begin discussing sex linked genes,. Pass out the sex linked handout for HW	Chapter 7 Human Genetics power notes and study guides	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. relate dominant disorders to recessive genetic disorders	Wednesday--go over HW and continue notes on codominance and incomplete dominance. Pass out the HW on the topic	Sex linked handout  codominance handout	Adaptations for activities and tutoring: <ol style="list-style-type: none"> <li>1. Concept map</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>
3. describe patterns of sexlinked disorders	Thursday--go over HW and then continue on chromosome mapping. Pass out the handout on practicing chromosome maps.	Chromosome mapping  pedigree practice	
4. differentiate between codominant and incomplete dominance	Friday--go over HW and finish chapter by looking at pedigrees. Pass out pedigree HW		
5. describe the characteristics of polygenic traits			
6. describe how gene linkage was discovered			
7. create chromosome maps based on crossing over frequencies  8. examine genetic inheritance patterns in humans			

- 9. describe how pedigrees are used
- 10. identify the Human Genome project

<b>Daily Lesson Plans Chapter 7--Human Genetics</b>	<b>Biology Laboratory (Every other day)</b>	<b>Jan 21--25, 2019</b>	<b>Mrs. Linda Henry Unit: Heredity</b>
<b>PA Academic Standards and Objectives</b>	<b>Activities</b>	<b>Evaluations</b>	<b>Enrichment</b>
<ul style="list-style-type: none"> <li>1. <b>3.1.10A5—relate life processes to cellular and sub-cellular levels structures and functions</b></li> <li>2. <b>3.1.10.A6—identify the advantages of multicellularity in organisms</b></li> <li>3. <b>create a karyotype using simplified chromosomes</b></li> <li>4. <b>list the stages of meiosis</b></li> </ul>	<ul style="list-style-type: none"> <li>SAS packet #3 on analyzing data</li> <li>Sex linked problems</li> <li>Multiple allele problems</li> </ul>	<ul style="list-style-type: none"> <li>SAS packet #3</li> <li>Genetic problems with sex linkage and multiple alleles</li> </ul>	<ul style="list-style-type: none"> <li>Go Online! To HMDSscience.com For virtual labs, poison frogs and Biozine articles</li> <li>Adaptations for activities and tutoring:               <ul style="list-style-type: none"> <li>1. Concept map</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> </ul> </li> </ul>

Daily Lesson Plans Chapter 1--History of Microbiology	Introduction to Microbiology	Jan 21-25 2019	Mrs. Linda Henry Unit: Background of Microbiology and the control of bacteria
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. . recognize the system of naming bacteria</p> <p>3. differentiate between the major types of microbes</p> <p>4. list the domains of microbes</p> <p>5. explain the importance of contributions of microscopes to microbiology</p> <p>6. list the steps in Koch's postulates</p>	<p>Monday--No school</p> <p>Tuesday--pass out textbooks and begin discussing the history of microbiology.</p> <p>Assign page 23 #1--4</p> <p>Wednesday--Friday--go over HW and continue discussing types and characteristics of microbes</p>	<p>power point notes on Chapter 1</p> <p>page 23 #1--10 for the week</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 4--Fingerprints	Introduction to Forensics (B days--every other day)	Jan 21-25, 2019	Mrs. Linda Henry Unit:Individual evidence
PA Academic Standards with Objectives	Activities	Evaluations	Enrichment
1. <b>3,4,10.A-technology and how it impacts scientific endeavors</b>	Monday--finish CSI video on fingerprinting. Assign Challenge	Anonymous video	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>	Wednesday--go over HW and review for test	Review for Test	Adaptations for tutoring and activities:
3. <b>explain the uses of fingerprints</b>	Friday--Test on Chapter 15 Fingerprinting	Test on Chapter 15	<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> </ol>

- and the three categories of classification**
- 4. list the three types of fingerprints**
  - 5. name the most common and how to use the Henry classification system**
5. Section reviews
  6. Chapter reviews
  7. Read chapter highlights

<b>Daily Lesson Plans Chapter 1--</b>	<b>Advanced Biology</b>	<b>May 14--18, 2018</b>	<b>Mrs. Linda Henry Unit:</b>
<b>PA Standards with Objectives</b>	<b>Activities</b>	<b>Evaluations</b>	<b>Enrichment</b>

			<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 highlights</li></ol>
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