

**Daily Lesson Plans
Chapter 7- Human
Genetics**

Academic Biology

Feb 3--7, 2020

**Mrs. Linda Henry
Unit: Heredity**

Standards with Objectives	Activities	Evaluation	Enrichments
1. 3.1.10A5—relate life processes to cellular and sub-cellular levels structures and functions	Monday--Tuesday--pass out the Chapter 7 review from the textbook. Students will work on questions in small group work	Chromosomes and genetics packet	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. assess student knowledge of meiosis and Mendelian genetics	Wednesday--Review for Test		Adaptations for activities and tutoring:
3. relate dominance and recessive inheritance to human disorders	Thursday--Test on Chapter 7	Chapter 7 review Chapter 7 Test	1. Concept map 2. Word search
4. describe sex linked disorders	Friday--go over test and begin pre-test on DNA and RNA		3. Critical thinking essays
5. describe differences between codominance and incomplete dominance			4. Flashcards 5. Section reviews
6. explain how polygenic traits work			6. Chapter reviews 7. Read chapter highlights

**Daily Lesson Plans
Chapter 7--Human
genetics**

**Biology Laboratory
(Every other day)**

Feb. 3--7, 2020

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

**PA Academic
Standards and
Objectives**

Activities

Evaluations

Enrichment

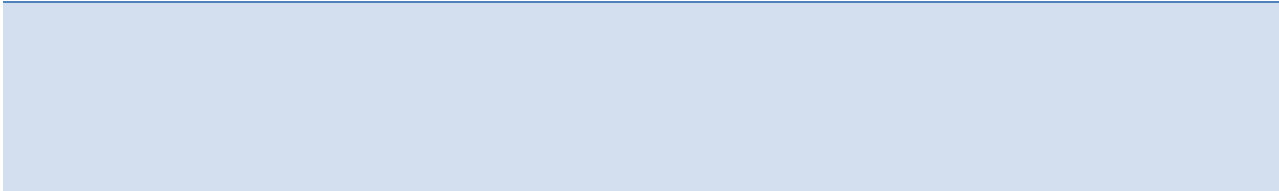
1. **3.1.10A5—
relate life
processes to
cellular and
sub-cellular
levels
structures and
functions**
2. **3.1.10.A6—ide
ntify the
advantages of
multicellularit
y in organisms**
3. **demonstrate
how sex linked
factors are
passed along**
4. **explain how co
dominant and
incomplete
dominance is
differentiated**

Lab on Actual vs
Predicted ratios for
Punnett squares

“Toe” lab on
predicted vs actual
ratios

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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 1-- scope and history of microbiology	Introduction to Microbiology	Feb 3-7, 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 --Wednesday-- simple stains...students will collect samples of bacteria within the classroom, culture them and then examine with simple stains</p> <p>Thursday--Friday --finish notes and start webquest of common bacteria</p>	<p>Chapter 1 power point notes on the history and scope of microbiology</p> <p>pages 23-24 textbook questions</p> <p>Simple stains lab</p> <p>Web quest on common bacteria</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 16--fingerprint evidence	Introduction to Forensics (B days--every other day)	Feb. 3-7, 2020	Mrs. Linda Henry Unit: Individual evidence
PA Academic Standards with Objectives	Activities	Evaluations	Enrichment
<p>1. 3,4,10.A-technology and how it impacts scientific endeavors</p> <p>2. 3.1.10.B4—explain how technologies have impacted the field of forensics.</p> <p>3. differentiate between types of minutiae</p> <p>4. describe how to classify fingerprints by the FBI Henry classification system</p>	<p>Monday--go over HW. Take partial prints and complete prints for superglue fuming. Begin CSI episode on fingerprints....</p> <p>complete handout</p> <p>Wednesday--finish episode</p> <p>Friday--review for test on fingerprints</p>	<p>Chemical testing of fingerprints--iodine, fuming with super glue, etc.</p> <p>CSI episode on fingerprints</p> <p>review for test</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

5. students should be able to match fingerprints from the criminal to the crime scene

Daily Lesson Plans Chapter 20-Pathology Unit PA Standards with Objectives	Advanced Biology Activities	Feb. 3-7,2020 Evaluations	Mrs. Linda Henry Unit: Viruses, bacteria and immunology Enrichment
7. 3.1.10A5—re late life processes to cellular and sub-cellular levels structures and functions 1. explain the differences between viruses and living things	Monday---Review for test Tuesday--Test on Chapter 20. Remind students presentations are on Friday	Chapter 20 power point on viruses, bacteria and immunology worksheets that align with chapter	Try clinical applications on page 24-25 in your text for practice in higher critical thinking skills. Adaptations for tutoring and activities: <ol style="list-style-type: none"> 1. Concept maps 2. Word search 3. Critical thinking essays

<ol style="list-style-type: none"> 2. list the diseases caused by viruses 3. list the characteristics of bacteria and how they can be controlled 4. explain the human immune system. 	<p>Wednesday--Thursday--go over tests and begin Inheritance Unit.</p> <p>Friday--presentations on their selected disease</p>	<p>Webquest on a particular disease and the creation of a doctor's office brochure about that disease.</p>	<ol style="list-style-type: none"> 4. Flashcards 5. Section reviews 6. Chapter reviews 7. Read chapter highlights
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