

Standards with Objectives	Activities	Evaluation	Enrichments
1. 3.1.10A5—relate life processes to cellular and sub-cellular levels structures and functions	Monday--Wednesday --continue notes on evidence for evolution, types of evolution and modern evolutionary factors. Students should complete their study guides for HW	Power notes and study guides for evolution	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 some of theories of evolution	Thursday--Friday--Life has a History packet for students to move from station to station and complete the worksheets. At the end the students will take the "quiz" from the questions they suggested.	Life has a History packet--geologic time, Half life with Tizzlers, two short movies about fossil evidence, etc.	Adaptations for activities and tutoring: <ol style="list-style-type: none">1. Concept map2. Word search3. Critical thinking essays4. Flashcards5. Section reviews6. Chapter reviews7. Read chapter highlights
3. list and explain the types of evidence for evolution			
4. differentiate between artificial selection and natural selection			
5. list and give examples of the 3 types of selection in evolution			
6. discuss Hardy Weinberger rule			

**Daily Lesson Plans
Chapter 8--DNA and
protein synthesis**

**Biology Laboratory
(Every other day)**

Mar. 16-20,,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**

A Fossil study
lab-students will
create an
evolutionary tree
based on the pretend
paper fossils “dug
up” from the rock
layers

Peppered Moth
activity and graph

A Fossil study and
the evolutionary tree
that shows how
organisms change
over time due to
environmental
changes

Peppered Moth lab

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

Daily Lesson Plans Chapter 4--Prokaryotes and Eukaryotes	Introduction to Microbiology	March 16-20, ,2020	Mrs. Linda Henry Unit: Types of Microbes
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>6. assess student knowledge of microscopy and stains</p>	<p>Monday -Tuesday--Continue the Chapter 4 on Pro-and Eukaryotic cells that are microbes Assign page 105-106 for HW.</p> <p>Wednesday--Friday--begin the project on “You Are the Doctor” where students have patients and identify through symptoms and signs what the disease it. Students will then prescribe tests, diagnose and then prescribe antibiotics for the patients.</p>	<p>Chapter 4 notes and HW for Prokaryotes and Eukaryotes</p> <p>“You Are The Doctor” project with 2 patient files and the information needed to diagnose and</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 12--Hairs and fibers	Introduction to Forensics (B days--every other day)	March 16-20, 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-Fiber evidence lab...	Fiber evidence using microscope, chemicals and burn test.	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.	Wednesday--Friday --CSI on fiber evidence. Also pass out the Wayne Williams case about how he was cause due to fiber evidence from his car.	CSI episode on fiber evidence to catch a killer	Adaptations for tutoring and activities: 1. Concept maps 2. Word search 3. Critical thinking essays 4. Flashcards 5. Section reviews
3. assess student knowledge of fingerprints, how they are			

<p>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>6. Chapter reviews</p> <p>7. Read chapter highlights</p>
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Daily Lesson Plans Chapters 15-16--Evolution	Advanced Biology	March 16-20 ,2020	Mrs. Linda Henry Unit: Evolution and body change
PA Standards with Objectives	Activities	Evaluations	Enrichment
<p>7. 3.1.10A5—re late life processes to cellular and sub-cellular levels structures and functions</p>	<p>Monday and Tuesday--continue chapter on Evolution with notes and questions from the textbook</p>	<p>Chapter power notes on 15 on Evolution</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 historical evidence for evolution 2. discuss the geologic ideas for evolution 3. discuss the evidence of evolution 4. list and describe the types of evolutionary 	<p>Wednesday--Thursday--the evolution of the stickleback in Alaska and how it evolved into two types over a short period of time....</p>	<p>Questions in the textbook</p> <p>Evolution of the stickleback fish in Alaska</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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