

**Daily Lesson Plans
Chapter 6--Meiosis
and genetics**

Academic Biology

Jan 6-10, 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--finish the power notes and sections from the study guide.

power notes for Chapter 6

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 mitosis and the cell cycle
3. list the different types of chromosomes in an individual
4. explain what information a karyotype can provide
5. list the differences between mitosis and meiosis
6. list the steps in meiosis
7. explain homologous chromosomes

Wednesday--Monohybrid problems

study guide for chapter 6

Thursday--go over problems and discuss dihybrid problems. Assign dihybrid problems

Monohybrid problems

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

Friday--go over problems and then give quiz on monohybrid problems

monohybrid quiz

Dihybrid problems

Daily Lesson Plans
Chapter 6--Genetics

Biology Laboratory
(Every other day)

Jan 6-10, 2020

Mrs. Linda Henry
Unit: Intro to
Biology

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—identify the advantages of multicellularity in organisms**
3. **students will demonstrate the steps in the mitotic cycle and explain each step**

Karyotype lab--students will formulate a karyotype for a normal individual

- a. normal male
- b. abnormal karyotype

Karyotype labs I and II

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 10-Muscular
system**

**Introduction to
Human Biology**

Jan 5-10, 2020

**Mrs. Linda Henry
Unit: Supportive body
systems**

**PA Academic
Standards and
Objectives**

Activities

Evaluations

Enrichment

3.1.10.A5—relate the life processes of cellular and subcellular structures to their function	Monday----Friday --continue the notes on the muscular system. Assign the various sections of the study guide packet	Muscular system from Chapter 10 Study guide for Chapter 10	Try clinical applications on page 24-25 in your text for practice in higher critical thinking skills.
2. list the functions of the muscle system			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
3. label the parts of the sarcomere	Quiz on anterior and posterior muscles of the body		
4. name the superficial muscles of the body			
5. explain the action potential of the muscle contraction			

Daily Lesson Plans Chapter 3--physical evidence	Introduction to Forensics (B days--every other day)	Jan 6-10, 2020	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--review the material on Chapter 3 the types of evidence, etc.	Chapter 3 on Evidence	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.	Thursday--Test on Chapter 3		Adaptations for tutoring and activities: <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
3. differentiate between direct and indirect evidence			
4. list problems with direct evidence			
5. separate types of evidence by categories:			

ballistics, trace,
fingerprint, etc

Daily Lesson Plans Chapter 20-Pathology Unit	Advanced Biology	Jan 6-10,2020	Mrs. Linda Henry Unit: Viruses, bacteria and immunology
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> <ol style="list-style-type: none"> 1. explain the differences between interphase and mitosis 2. differentiate between G1 and G2 and Go 	<p>Monday--Tuesday-study hall due to only 6 students in the class because of Keystone testing</p> <p>Wednesday--review for the test</p> <p>Thursday--Test on Chapter 9 Mitosis</p> <p>Friday--assembly and volleyball</p>	<p>Chapter 9 power point</p> <p>study guide for Chapter 9</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

<p>3. describe the steps in mitosis</p> <p>4. explain the controls over the mitotic cycle</p> <p>5. explain how cancer may result</p>			<p>7. Read chapter highlights</p>
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