

Daily Lesson Plans Chapter 45--mitosis and cell reproduction	Academic Biology	Nov. 25--27, 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. Explain the importance of the surface area to volume ratio in cells</p> <p>3. describe the importance of the interphase of the cell cycle.</p> <p>4. explain the phases of mitosis</p> <p>5. explain the importance of controlling mitosis</p> <p>6. define tumors and cancers</p> <p>7. explain the use of stem cell research</p> <p>8. differentiate between unicellular and multicellular organisms development</p>	<p>Monday---finish the cell cycle and mitosis packet</p> <p>Tuesday--Notes on section 4--assign study guide sections 3 and 4 for HW</p> <p>Wednesday--early dismissal--videos</p>	<p>Chapter 5 power notes</p> <p>Chapter 5 study guide</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

**Daily Lesson Plans
Chapter 5--Cell
Replication**

**Biology Laboratory
(Every other day)**

Nov. 25-27, 2019

**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—ide
ntify the
advantages of
multicellularit
y in organisms**
3. **students will
demonstrate
the steps in the
mitotic cycle
and explain
each step**

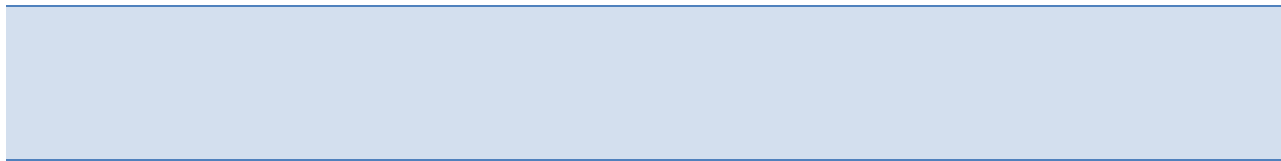
Mitosis Flipbook
Project, each student
will create a flipbook
with the steps of
mitosis

Mitosis flipbook
project

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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	Introduction to	Nov. 25-27,	Mrs. Linda Henry
Chapter 6--9 Skeletal	Human Biology	2019	Unit: Supportive body
system			systems
PA Academic	Activities	Evaluations	Enrichment
Standards and			
Objectives			
3.1.10.A5—relate the life processes of cellular and subcellular structures to their function	Monday---Skeletal bone laboratory--students look at a disarticulated skeleton and name the parts	Skeletal lab	Try clinical applications on page 24-25 in your text for practice in higher critical thinking skills.
2. list the functions of bone tissue	Tuesday--finish the study guide packet		Adaptations for tutoring and activities:
3. explain the differences between spongy and compact bone	Wednesday--skeletal video		1. Concept maps
4. label and describe the functions of the parts of the long bone			2. Word search
5. name and identify the major bones of the skeleton.			3. Critical thinking essays
6. differentiate endochondral bone formation and intra membranous bone formation			4. Flashcards
		5. Section reviews	
		6. Chapter reviews	
		7. Read chapter highlight	



Daily Lesson Plans Chapter 2--Crime Scenes	Introduction to Forensics (B days--every other day)	Nov. 25-27, 2019	Mrs. Linda Henry Unit:Crime scenes and criminal profiles
PA Academic Standards with Objectives	Activities	Evaluations	Enrichment
<ol style="list-style-type: none"><li data-bbox="240 1276 532 1486">1. 3,4,10.A-technology and how it impacts scientific endeavors<li data-bbox="240 1520 532 1772">2. 3.1.10.B4—explain how technologies have impacted the field of forensics.<li data-bbox="240 1806 532 1881">3. differentiate between direct	Tuesday--begin chapter on physical evidence and testimony. Assign the handout on physical evidence	Chapter 3 on Evidence Fill ins for Physical evidence worksheet	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"><li data-bbox="1187 1667 1442 1703">1. Concept maps<li data-bbox="1187 1709 1442 1745">2. Word search<li data-bbox="1187 1751 1442 1850">3. Critical thinking essays<li data-bbox="1187 1856 1442 1892">4. Flashcards

<p>and indirect evidence</p> <p>4. list problems with direct evidence</p> <p>5. separate types of evidence by categories: ballistics, trace, fingerprint, etc</p>	<p>5. Section reviews</p> <p>6. Chapter reviews</p> <p>7. Read chapter highlights</p>
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Daily Lesson Plans Chapter 9--Mitosis	Advanced Biology	Nov. 25-27, 2019	Mrs. Linda Henry Unit: Cell Biology
PA Standards with Objectives	Activities	Evaluations	Enrichment
<p>9. 3.1.10A5—relate life processes to cellular and sub-cellular levels structures and functions</p>	<p>Monday--Tuesday--begin chapter on Mitosis and the cell cycle. Pass out the packet as a review. Continue on Tuesday and assign the first</p>	<p>Chapter 9 power point</p>	<p>Try clinical applications on page 24-25 in your text for practice in higher critical thinking skills.</p>

<ol style="list-style-type: none"> 1. explain the differences between interphase and mitosis 2. differentiate between G1 and G2 and Go 3. describe the steps in mitosis 4. explain the controls over the mitotic cycle 5. explain how cancer may result 	<p>several sections of the textbook review</p> <p>Wednesday--video</p>	<p>Cell cycle and mitosis packet</p> <p>Chapter 9 textbook review</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
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