

**Daily Lesson Plans
Chapter 45--mitosis
and cell reproduction**

Academic Biology

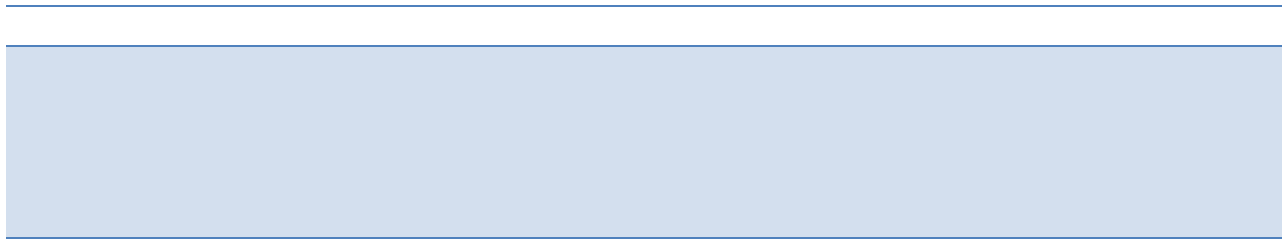
Dec. 4-6, 2019

**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>9. assess student knowledge of</p>	<p>Wednesday--finish notes on section 5--stem cells, assign study guide for HW</p> <p>Thursday--Pass out the chapter 5 review and have students work on completion</p> <p>Friday--finish chapter 5 review and turn in for points</p>	<p>Chapter 5 power notes</p> <p>Chapter 5 study guide</p> <p>Ch. 5 review packet</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

mitosis and the
cell cycle

<p>Daily Lesson Plans Chapter 5--Cell Replication</p>	<p>Biology Laboratory (Every other day)</p>	<p>Dec. 4-6, 2019</p>	<p>Mrs. Linda Henry Unit: Intro to Biology</p>
<p>PA Academic Standards and Objectives</p>	<p>Activities</p>	<p>Evaluations</p>	<p>Enrichment</p>
<p>1. 3.1.10A5— relate life processes to cellular and sub-cellular levels structures and functions</p> <p>2. 3.1.10.A6—ide ntify the advantages of multicellularit y in organisms</p> <p>3. students will demonstrate the steps in the mitotic cycle and explain each step</p>	<p>Mitosis Flipbook Project, each student will create a flipbook with the steps of mitosis</p>	<p>Mitosis flipbook project</p>	<p>Go Online! To HMDSscience.com For virtual labs, poison frogs and Biozine articles</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	Introduction to Human Biology	Dec. 4-6, 2019	Mrs. Linda Henry
Chapter 6--9 Skeletal system			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---Tuesday--study hall, only 3 students present due to Keystones		Try clinical applications on page 24-25 in your text for practice in higher critical thinking skills.
2. list the functions of bone tissue	Wednesday--review for test	Skeletal review	Adaptations for tutoring and activities:
3. explain the differences between spongy and compact bone			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			4. Flashcards
			5. Section reviews
			6. Chapter reviews
			7. Read chapter highlight

membranous
bone formation

Daily Lesson Plans Chapter 3--physical evidence	Introduction to Forensics (B days--every other day)	Dec. 4-6, 2019	Mrs. Linda Henry Unit:Crime scenes and criminal profiles
PA Academic Standards with Objectives	Activities	Evaluations	Enrichment
<ol style="list-style-type: none">1. 3,4,10.A-technology and how it impacts scientific endeavors2. 3.1.10.B4—explain how technologies have impacted	Wednesday --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">1. Concept maps2. Word search

<p>the field of forensics.</p> <p>3. differentiate between direct 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>Friday--lab on individual and class evidence</p>	<p>lab on types of evidence</p>	<p>3. Critical thinking essays</p> <p>4. Flashcards</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	Dec. 4-6, 2019	Mrs. Linda Henry Unit: Cell Biology
PA Standards with Objectives	Activities	Evaluations	Enrichment
<p>10. 3.1.10A5—relate life processes to cellular and</p>	<p>Monday--Tuesday-study hall due to only 6 students in the</p>		<p>Try clinical applications on page 24-25 in your text for practice in higher</p>

<p>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 3. describe the steps in mitosis 4. explain the controls over the mitotic cycle 5. explain how cancer may result 	<p>class because of Keystone testing</p> <p>Wednesday--go over cell cycle and mitosis packet. continue notes and assign the study guide packet for HW</p>	<p>Chapter 9 power point</p> <p>Cell cycle and mitosis packet</p> <p>Chapter 9 textbook review</p>	<p>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
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