

## Biology

### Six Weeks 2

#### Week 1: (Oct 3)

Day 1: Discuss Facilitated Diffusion, Active Transport: Na/K pump, Endocytosis, and Exocytosis

Assignment: Finish Cell Membrane worksheet

Download Ch. Flashcards to gflash app and study these flashcards.

Homework: Study types of cell transport.

TEKS: 4B

Day 2: Set up Egg Lab: Osmosis and Diffusion.

Watch animations of Active Transport

Assignment: Ch. 4 Review Questions

Homework: Finish Review Questions and study for test.

TEKS: 4B, 1A, 2F, 2H

Day 3: Grade Review Questions. Review parts of cell membrane.

Homework: Study for Chapter 4 or 5 Test

Day 4: Take Ch. 4 or 5 Test

Egg Lab: Complete Day Two Activities

TEKS: 4B, 1A

Day 5: Egg Lab: Complete Day Three Activities

Answer all questions to lab.

TEKS: 4B, 1A, 1B, 2F, 2H

#### Week 2 (Oct 10)

Day 1: Discuss Chromosomes; Differences between Prokaryote and Eukaryote

DNA; Organization of DNA "Cell Cycle & Division.ppt" (Slide #1-13)

Homework: Read Chapter

TEKS: 5A, 4A, 5C, 9D

Day 2: Discuss Cell division in Prokaryotes (Slide #14-19)

Discuss Cell Cycle in Eukaryotes (Slide #20-27)

Assignment: Use "Mitosis app" on iTouch to learn about the stages that occur during Mitosis. Fill in question worksheet while viewing animation.

Homework: Continue reading chapter.

TEKS: 5A, 4A, 5C, 9D

Day 3: Use "Mitosis app" on iTouch to learn about the stages

that occur during Mitosis. Fill in question worksheet while viewing animation.

Assignment: Hand drawing of stages of Mitosis and have students label structures. Use textbook where needed.  
TEKS: 5A, 4A, 5C, 9D

Day 4: Use computers to review stages of Cell Cycle and Mitosis.  
www.Cellsalive.com tutorial and Arizona Biology.edu tutorial  
Students will answer questions as they view animations.  
Assignment: Hand drawing of stages of Mitosis and have students label structures. Use textbook where needed.  
TEKS: 5A, 4A, 5C, 9D

Day 5: Discuss what happens to the cell cycle when cells become cancerous.  
Grade papers done Tuesday-Thursday.  
TEKS: 5D, 6E,

**Week 3:** (Oct 17)

Day 1: Discuss Meiosis.  
TEKS: 6B, 6G

Day 2: Activity: "Mitosis and Meiosis" on the table. (First do activity where  $2n=2$ , then do activity where  $2n=6$ )  
TEKS: 6B, 6G

Day 3: Vocabulary review sheet and Chapter Review sheets over Mitosis and Meiosis.

Day 4: Grade review sheets and review material over Mitosis and Meiosis.  
[http://www.biology.arizona.edu/human\\_bio/activities/karyotyping/patient\\_a/patient\\_a.html](http://www.biology.arizona.edu/human_bio/activities/karyotyping/patient_a/patient_a.html)  
Go to above website and review karyotype and abnormalities in a karyotype.

Day 5: Test: Mitosis and Meiosis  
TEKS: 4A, 5A, 5C, 5D, 6E  
After test begin working on Vocab and Objectives for Ch. 8 (Ch. 9 Advanced)

**Week 4:** (Oct 24)

Day 1: Discuss Genetics (Slide #1-15)  
Practice working monohybrid crosses, identifying heterozygous, homozygous dominant, and homozygous recessive traits.  
TEKS: 6A, 6F

Day 2: Practice genetic terms in small groups using flashcards.

Discuss Incomplete Dominance CoDominance, Multiple Alleles  
Assignment: Review Questions Ch. 8 #1  
TEKS: 6A, 6F

Day 3: Lab Activity: Investigating Inherited Traits  
Student will flip coins to determine traits.  
TEKS: 6A, 6F

Day 4: Practice Dihybrid Crosses  
Assignment: Bikini Bottom Genetics #2  
TEKS: 6A, 6F

Day 5: Graded Bikini Bottom Genetics #2  
Assignment: Read and answer questions p. 177-182.  
(Adv. Biology 221-230)  
TEKS: 6A, 6F

**Week 5:** (Oct. 31)

Day 1: Discuss how to interpret a pedigree.  
Use making and interpreting a pedigree worksheet.  
Assignment: Review sheets over Genetics.

Day 2: Grade review sheets and Review for Test  
Review nondisjunction of chromosomes. (See Genetic Review.gwb)

Day 3: Test: Ch. 8/9 Genetics  
Assignment: Vocab and Objectives Ch. 10

Day 4: Notes on DNA. See "DNA Part1.ppt"  
Discovering DNA's structure activity. Students color, cut out, and assemble a model of DNA.  
Answer questions after finishing model.  
TEKS:

Day 5: Assignment: Color DNA diagram and answer questions.