

Week of: 11/16-11/20

Teacher: Anderson

Subject: Biology

Monday

TLW: Objective: Describe components and structure of DNA and illustrate how DNA carries the information for traits. TEKS: 6A Explain replication, transcription, and translation as it relates to the structure and function of DNA and RNA.
TEKS: 6B

Activities:

DNA/RNA/Transcription/Translation Test

Materials: Pencil, Test

Follow Up/HW:

Tuesday

TLW: Objective: Identify and illustrate how changes in DNA cause mutations and evaluate the significance of these changes. TEKS: 6C

Activities:

Mutation Video Clip: Students watch video clip showing how mutations can occur in cells.

Mutation Notes- Insertion/Deletion/Substitution

Mutation Activity- Students complete activity using words in a sentence to represent how mutations affect the meaning of the sentence. They then complete the same activity using amino acids/codon chart to see how mutations affect the amino acid sequence.

Review TEST

Materials: Video clip, Cornell Notes

Follow Up/HW:

Wednesday /Thursday

TLW: Objective: Compare and contrast the processes of mitosis and meiosis and their significance to sexual and asexual reproduction. TEKS: 6E

Activities:

Engage: Students watch a 5 minute clip of “In the Womb” to see cell division.

Explore: Using clay, students model the steps of mitosis with the help of their textbooks. After doing this, they draw each step in their lab notebooks.

Explain: Students take notes on the Mitosis.

Elaborate: Students compare the similarities and differences between Mitosis and Meiosis.

-Mitosis and Meiosis packet.

Materials: “In the Wobmb”, Clay, Cornell notes, Packet

Friday

TLW: Objective: Compare and contrast the processes of mitosis and meiosis and their significance to sexual and asexual reproduction. TEKS: 6E

Activities:

Warm-up: What are the main events of the cell cycle? What are the 4 phases of mitosis?

Students work on the Mitosis packet together in their groups. Teacher walks around the room while students are working on the assignment and answers questions as they arise. After enough time is given to work on the packets, teacher reviews some of the key information from the packet that the students will be responsible for learning.

Cornell note handouts are given to students to take notes on Meiosis. Students start comparing and contrasting meiosis and mitosis.

Materials:**Follow Up/HW:**