



WESTSIDE HIGH SCHOOL

Level Up: *RISE* to Your Potential

Teacher: **Danny Tran**

Subject: **Anatomy**

Week of: DATE Oct 21 - Oct 25	Monday	Tuesday	Wed.	Friday
TEKS				
Learning Objective	<ul style="list-style-type: none"> -Compare and contrast osteoblasts and osteoclasts. -Explain how osteoclasts and osteoblasts work together to reshape and remodel bones. -Describe where the diaphysis of a long bone is in relation to the epiphysis; the periosteum in relation to the endosteum. 	<ul style="list-style-type: none"> -Explain the processes through which bones grow in length and diameter during normal human development. -Describe practices that can make bones stronger or weaker. -List 2 functions of bone marrow. 	<ul style="list-style-type: none"> -Identify factors/hormones that affect bone growth. -List and explain the etiologies of the following bone conditions: achondroplastic dwarfism, osteoporosis, pathological fractures, greenstick fractures, comminuted fractures, spiral fractures, hairline/stress fractures. 	<ul style="list-style-type: none"> -Be able to label different parts of a long bone. -Explain the differences between intramembranous ossification vs endochondral ossification. -Describe the functions of the following bone cells: osteoprogenitors, osteoblasts, osteocytes, osteoclasts
Higher Order Thinking Questions	<ul style="list-style-type: none"> -What factors can cause bone to atrophy, losing mass and mineralization? 	<ul style="list-style-type: none"> -Discuss bone remodeling, including the cells responsible and the practices and environments that can dramatically influence remodeling. 	<ul style="list-style-type: none"> · Explain how hormones and physical stress regulate bone remodeling 	<ul style="list-style-type: none"> - Describe how epiphyseal plates allow long bones to grow.

Agenda	<ol style="list-style-type: none"> 1. Labeling the osteon. 2. Bone Cells Lecture 3. Bone Tissue I Assignment 	<ol style="list-style-type: none"> 1. Do Now (Vocab) 2. Bone Growth Lecture 	<ol style="list-style-type: none"> 1.Ch 4.1 Reading Assignment Quiz 2.Do Now (Practice Website) 2.Fractures and Abnormal Bone Conditions Lecture 3. Practice Questions 	<ol style="list-style-type: none"> 1. Review Questions on Quizizz for Unit Exam. 2. Review Guide
Demonstration of Learning	-Be able to correctly match the functions of ½ types of bone cells.	-Correctly identify ½ steps in endochondral ossification.	-Identify ½ fractures using X-ray pictures	-Achieve at least 70% on review questions.
Intervention & Extension				
Resources	-Online textbook; practice area; guided notes	-Online textbook; guided notes	- Online textbook, guided notes, practice area	- Guided notes and online textbook