

Name \_\_\_\_\_  
Period 1 2 3 4 5

## Bone Injuries and Anomalies

Today you will be looking at various bone injuries and anomalies. To do this we will be using an interactive website that allows us to move some of the object around as we look at them. The 3D objects are marked with an asterisk (\*), to rotate them simply click and drag the image once you've opened it. Follow the steps below to complete the activity.

Step 1: Turn on your computer and open the browser

Step 2: Go to the following website:

<http://www.uwyo.edu/RealLearning/injuries/boneindex.html>

Step 3: Scroll down and click on "Bullet Wounds". Look at each picture and 3D object to answer the following questions.

1. Can you tell where the bullet entered and exited Skull 2? Describe where you think the entrance and exit wounds can be seen.
2. Describe how the entrance and exit wounds look different.
3. Are there any defining characteristics that separate these bullet wounds from one another?
4. From the damage you see, do you think any of these example bullet wounds could be survived?

Step 4: Return to the home page and then click on "Cranial Wounds". Look at each picture and 3D object to answer the following questions.

1. What can you tell about the weapon that was used to make this wound by looking at the mark?

Step 5: Return to the home page and then click on "Abnormalities". Look at each picture and 3D object to answer the following questions.

1. Look at \*Sacrum Exhibiting Spinal Bifida. Thinking back to the sacrum you looked at to determine gender. Describe what differences you see.
2. Do any of these "abnormalities" seem to be the result of violence or injury? Why or why not?
3. Which of these "abnormalities" do you think would be noticeable by others when this person was alive?

Step 6: Return to the home page and then click on "Osteoarthritis". Look at each picture and 3D object to answer the following questions.

1. Look at the two pictures in this section. Judging by these pictures what does osteoarthritis seem to do to bone?
2. Which seems to have more severe osteoarthritis?

Step 7: When you are finished with your activity sheet feel free to take the rest of the period to explore the other sections of this website. Then close your browser and log out of your computer.

Step 8: Turn your paper in to Miss Voelker as you exit the room.