

Assignment 2: Building a Joint Injury Muscles and Joints

Let's put our knowledge of Muscles and Joints to work by analyzing a sport injury. This assignment will be done in groups of 2.

A. Joint Injury Chosen

Pick a sport you're interested in and research common joint injuries in that sport.

Criteria:

- Injury chosen appropriate for this assignment
- Joint injury has been approved by teacher [/5 C]

B. Build a Joint

You will build a physical model of a joint. We will discuss some ideas for the materials you can use in class.

Criteria:

- Include bones, muscles, tendons and ligaments necessary to demonstrate joint injury
- Appropriate materials chosen for building the model
- Bones and muscles should be labeled
- Joint moves in a similar way to an actual joint
- Joint model illustrates joint injury [/25 A]

C. Injury Analysis

Why is this injury so common in the sport you chose? Use your knowledge of joints and muscles to analyze what makes the injury so common. Write a paragraph to explain your analysis.

Criteria:

- Analysis discusses what bones and muscles are involved in the injury
- Analysis fully explains why that injury is so common in the sport
- Include a works cited [/10 T]

D. Presentation

You will present your joint and injury analysis to the class in a 5 minute presentation.

Criteria:

- Introduce sport and injury chosen
- Summarize features of model including bones, muscles and motion
- Describe your analysis [/10 C]

Any plagiarism will receive a mark of 0 for the assignment. When you are using another person's material make sure to cite it within your response (Author, year). Better to be safe than sorry!

Project Proposal:

Group members:

Joint injury chosen:

Sport chosen:

Teacher signature: