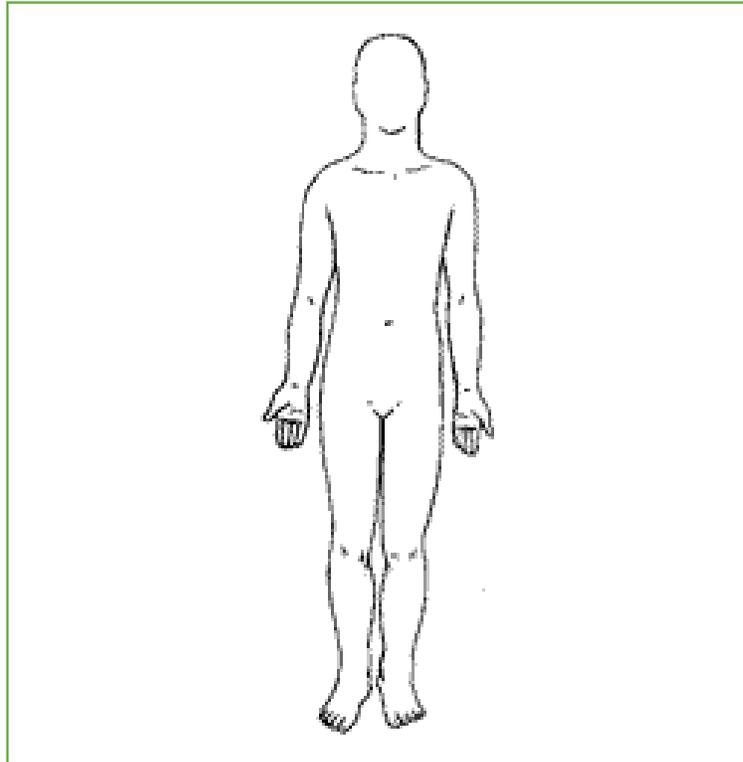


Design Challenge:

Create a Custom ShinGuard for a Soccer Player

1. Draw the following on the patient's right leg:
 - a. An X on each of the following: tibial tuberosity, medial malleolus, lateral malleolus
 - b. A horizontal line through the tibial tuberosity
 - c. A horizontal line just above the medial and lateral malleolus



2. Record the following measurements in _____:

Distance from just above the medial malleolus to a horizontal line through the tibial tuberosity _____

Distance from just above the lateral malleolus to a horizontal line through the tibial tuberosity _____

Distance from of a line through the tibial tuberosity, perpendicular to the lateral malleolus and medial malleolus _____



In the computer lab.

3. Create an account at TinkerCad.com for your group to share:

Login _____

Password _____

4. Complete as much of the tutorial as you feel you need

5. Visit the class website: teachers.srsd.net/ihughes
And access the "Shin Guard File"

6. Adjust the measurements to fit your test subject. 

7. Be creative!

8. Save your file as a .stl in your Z drive.

9. Print it!