Today – January 11th

All – Pick-up a Semest. Portfolio Score Guide Intro – Coloring sheet, notes and/or myofibril drawing out (to reference), but otherwise clear your desk Advanced – Pick-up returned worksheets and page of notes; warm-ups, laptops and headphones ready Reminders 'n Stuff

- 2nd Qtr Stuff, Remediations & Semester
 Portfolio due TOMORROW! Exceptions? NO!!!
- Laptops/tablets for tomorrow's reflection
- Come in after school Mondays, Tuesdays and Thursdays for help!

Today – January 11th



Introduction to Sports Medicine

- Remediations due tomorrow by 11:59pm
 - BREAKDOWN! Worksheet in Canvas
 - Integumentary & Skeletal Systems Exam via email
- Activity: Build-a-Myofibril

Advanced Sports Medicine

- A word on ATR chores...
- Warm-Up: Waveform Review
- Lecture: Continue Electrical Modalities



Warm-Up (No notes, no blanks)

Identify the attributes of the following waveforms.





Build-A-Myofibril Workshop

Procedure:

- 1. Choose your group (4-6 members)
- 2. The structures to be represented in your 3-D myofibril model, consisting of *at least* 2 sarcomeres, include:
 - Thick Filaments made up of myosin proteins (including myosin heads) & titin
 - Thin Filaments made up of F Actin (we won't include the other proteins at this time)
 - Cytoskeletal proteins:
 - Z-discs
 - M-lines

Build-A-Myofibril Workshop

Procedure:

3. Materials available include:

- Pipe Cleaners (of varying color; thick filaments should be red, thin filaments should be green <u>IF</u> you use pipe cleaners for these structures)
- Foam (in sheets)
- Beads
- Straws
- Yarn
- Construction Paper
- Permanent Markers
- Elmer's Glue
- Scissors

Build-A-Myofibril Workshop

Procedure:

- 4. Discuss/draw a model design prior to construction to avoid wasting materials. It's okay to experiment with ideas!
- 5. You have today and tomorrow to construct your model
- 6. The top three models as voted by YOU will be awarded *prizes*!

Questions?

