AP-B Physics
Week of January 6th
Website: http://www.tarleton.edu/physics/APPhysicsB/index.html

1. Monday January 6th
   **In Class** – Teacher Discretion if class is in session
   **Outside of Class:**
   a) Review Material in Chapter 11 and start reading chapter 12

2. Tuesday January 7th
   **In Class** – Problems on Chapter 11 (waves on string, Snell’s law, etc) & discuss material in Chapter 12
   **Outside of Class:**
   a) Read Sections 12.1-12.4 of Giancoli
   c) Watch Sound Module Videos
   b) Work on Homework as time permits (Due Saturday)

3. Wednesday January 8th
   **In Class** – Wave Intensity Lab
   Determine the relationship between light intensity and distance to a detector for a point source (Vernier light source) and a directional source (laser) as a function of distance using Vernier Optics bench equipment with light detector and Logger Pro. Students should measure the light intensity for several different distances. In groups of 3-4 students, each group should plot the data and then model it using LoggerPro. For next Monday, each group should have a 10 minute presentation explaining the experimental procedure used, theory presented in textbook, the plotted data, and their model with analysis.
   **Outside Class:**
   a) Read Sections 12.3-12.7 in Giancoli
   b) Work On Homework as Time Permits (Due Saturday)

4. Thursday January 9th
   **In Class** – Discuss Student Questions on Chapter 12 Material and Work Problems
   **Outside Class:**
   a) Finish Chapter 12 and Read Sections 13.1-13.2 in Giancoli
   b) Work on Homework as time permits (Due Saturday)

5. Friday January 10th
   **In Class** – Teacher Discretion if school in session (work extra non-homework problems, etc.)
   **Outside Class:**
   a) Complete Homework (Due Saturday)
   b) Read Sections 13.3-13.6 in Giancoli

6. Monday January 13th (No-Test)
   **In Class** – Student groups out-brief their lab results (Show which result(s) match the theory in the textbook and explain any discrepancies