AP-B Physics

Week of October 15th

Website: http://www.tarleton.edu/physics/APPhysicsB/index.html

1. Monday October 14th – Test6

In Class – Test 6 (Newton's Laws, Free Body Diagrams, Pulleys, Strings, Incline Planes, and Relative Motion) Physics 6th by Giancoli pp 1-89, 94-96, 106-108, and 115-116.

Outside of Class:

a) Review previous reading material in sections 5.2 and 5.3 of textbook.

b) Watch Videos in Newton's Laws Module on Central Forces (Central Force, Roller Coaster Problem, and Barrel of Fun Problem)

c) Work on Homework 10 in Webassign as you have time.

2.**Tuesday October 15**

In Class – Discuss Central Force Problems & Newton's Universal Law of Gravity

Outside of Class:

a) Review Sections 5.6-5.8 of Giancoli

b) Watch Dot-Product Video 1 & 2 in Vector Module

c) Complete Homework 10: Due Tonight

3. **Wednesday October 16**

In Class – Board Work (Students work non-homework problems from Newton's Law Practice Handouts and/or Textbook) to prepare for test

Outside Class:

a) Watch Dot-Product Video 3 in Vector Module

b) Read pages 136-141 in Giancoli

c) Work On Homework 11 as Time Permits

4. **Thursday October 17**

In Class – Work and Kinetic Energy

Outside Class:

a) Watch Videos on Work in Work & Kinetic Energy Module

b) Read pages 144-148 of Giancoli

b) Work on Homework 11 as Time Permits

5. **Friday October 18**

In Class – Logger Pro Air Drag Activity

Outside Class:

a) Watch Videos on Energy (Kinetic, Potential, and Mechanics)

b) Read pages 149-154 of Giancoli

c) Complete Homework 11: Due Tonight

d) Prepare for Test 7 on Monday

6. **Monday October 21 – Test 7!!** (Chapters 1-5 up to page 116 with emphasis on Newton's Law Problems including friction and central forces)

 Anticipate extracurricular schedule conflicts and work ahead as needed.

You may contact me directly at: marble@tarleton.edu or by Skype