

Mr DelGiudice's Honors Physics Classes:

Honors Physics Summer Assignment For 2011-2012:

Assignment #1 Due day 1

Assignment #2 Due day 2

Chapter 1 Assignment #1 and #2

Review the following topics using Physics classroom.com and the

Physics by Giancoli 5th Edition website from Prentice Hall.

Complete the following :

Go to Prentice Hall Giancoli Physics website:

<http://cwx.prenhall.com/bookbind/pubbooks/giancoli/>

- 1) select chapter 1 Introduction from the pull down tab press Begin
- 2) Select under chapter 1 Objectives and read what is expected of you to understand and know
- 3) Select under chapter 1 Practice Questions # 1 - 25. Complete the answers and copy the questions # 1-25 and write out the correct answers to these questions. This is assignment#1 is due Day 1 of

Honors Physics class.

- 4) Go to www.physicsclassroom.com and study the chapter on Kinematics (motion with graphs_. Go through the chapter and watch the animations and copy all new vocabulary (example terms :scalars, vectors, displacement, distance, speed, velocity and acceleration)

Study the graphs associated with d vs t and v vs t and draw the shape of a curve of d vs t on graph paper for the following general motion cases:

- a) An object at rest
- b) An object or person moving at constant speed moving away from a starting point.
- c) An object speeding up (accelerating away) moving away from a starting point.
- d) An object slowing down (accelerating toward) a starting point.

Show the general slope of the graph for the movement described.
Hand this in as assignment #2 due the second day of Honors Physics Class.

Each assignment will be collected as soon as you come to class.

Have a good Summer!

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an object moving at constant speed moving toward a point an object with no acceleration