Motion: (Chapter 11)

Objectives:
1. Identify frames of reference and describe how they are used to describe motion
2. Identify appropriate SI units for measuring devices
3. Distinguish between distance and displacement
4. Calculate displacement (vector addition or hypotenuse)
5. Identify appropriate SI unit for measuring speed and how it is derived
6. Compare and contrast average speed and instantaneous speed
7. Interpret position(distance) time graphs
8. Identify changes in motion that produce acceleration
9. Describe examples of constant acceleration
10. Calculate acceleration from data and graphical
11. Interpret velocity time and position time graphs
12. Classify, identify, and describe positive and negative acceleration

Assessments:
1. 3 homework assignments = 15
    a. shopping trip
    b. 11.1
    c. 11.2
    d. 11.3
    e. wordwise
2. castle learning #1 = 10
3. 3 formal grade labs (20 point each and 2 participation grade labs (10 points each) = 80
    a. position time: constant speed
    b. time, distance, average velocity
    c. position time: nonlinear
    d. velocity graphs
    e. ticker tape lab
4. quiz = 10
5. test = 60

Vocabulary:
1. distance
2. displacement
3. vector
4. velocity
5. acceleration
6. slope
7. frame of reference
8. speed
9. average speed
10. instantaneous speed