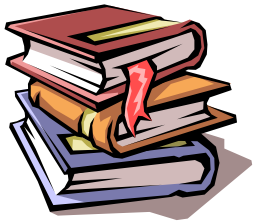

CP PHYSICS SYLLABUS - 1st QUARTER

(August 30, 2023 – November 3 , 2023)

Unit 3: Linear Motion

~(2.0 weeks)

Textbook: Physics – Physics Principles and Problems
Required reading is: Chap 2 pgs 30-55

Assignment:	Date Due	Points
Homework/classwork:		
Worksheet I - Journey: Distance vs. Time	10-23-2023	10pts
Worksheet II – Position & Velocity vs. Time	10-24-2023	18pts
Worksheet III - 1-D Motion and Graphs	10-30-2023	14pts
Worksheet IV- Linear Motion and Graphs	11-01-2023	91pts
Worksheet V - Acceleration due to Gravity	11-03-2023	55pts
Worksheet VI- Linear Motion Review Wkst VI	11-06-2023	25pts
Lab: Distance-Time Graphing Poster Lab	10-24-2023	50pts
Lab: Gizmo Distance vs. Time Lab	10-31-2023	75pts
Quiz: 1-D Motion Quiz	11-09-2023	15pts
Quiz: Distance & Velocity vs. Time Graphing Quiz	11-10-2023	30pts
Test: Unit 3 Test	11-14-2023	50pts

***Yellow is in 1st quarter. Unshaded is in 2nd Quarter.**

LINEAR MOTION FORMULAS

1. $s = x_1 - x_0$
2. $v = \frac{s}{t} = \frac{x_1 - x_0}{t}$
3. $v = \frac{\Delta x}{\Delta t}$
4. $a = \frac{v_1 - v_0}{t}$
5. $a = \frac{\Delta v}{\Delta t}$
6. $v_1 = v_0 + at$
7. $s = v_0 t + \frac{1}{2} a t^2$
8. $v_1^2 = v_0^2 + 2as$
9. $s = \frac{1}{2} (v_0 + v_1) t$
10. $F = ma$
11. $W = mg$

Revised 10-28-2023