

PHYSICS - UNIT 3 SYLLABUS

KINEMATICS IN ONE DIMENSION			
Readings: Cutnell & Johnson pp. 27-57			
Date	Lesson	Handouts	Assignments Due
1/12	Activity - <i>Measuring the speed of a toy truck</i> Discussion - <i>Average Speed, Instantaneous Speed, Average Velocity, Acceleration</i> Examples with Velocity and Acceleration	Measuring the Motion of Toys I	
1/13	Activity - <i>Measuring Motion of Toys with a Tape Timer</i>	Measuring the Motion of Toys II	
1/14	Computer Lab – <i>Making a Spreadsheet for the Truck Lab</i>	Sample Spreadsheet	
1/15	Quiz - Section Summaries Discussion: Equations of Kinematics ...followed by examples		Section Outlines Measuring the Motion of Toys II
1/19	Kinematics applied to a baseball toss Quiz– Velocity and Acceleration 1	Activity - <i>How High?</i>	
1/20	Group Problem: <i>High Speed Chase...</i> Graphing Speed and Acceleration Discussion: Analysis of dist. v. time and vel. v. time Graphs	Wksht - Graphing Speed and Acceleration	Group Problem: <i>High Speed Chase...</i> Activity - <i>How High?</i>
1/21	Computer Activities P01 & P02 XC: <i>Match the Graph</i>	Activity P01 Activity P02	Wksht - Graphing Speed and Acceleration
1/22	Finish Activities P01 & P02 XC: <i>Match the Graph</i> Quiz - Velocity and Acceleration 2		
1/25	Lab – Accel. Down a Ramp		Activity P01 Activity P02
1/26	Quiz – Graphical Analysis of Motion <i>Group Problems</i> Wkst.	Lab – Acceleration down a Ramp	
1/27	Go over all worksheets and activities Check Homework Sets		Homework Sets
1/28	TEST - KINEMATICS IN 1D New Homework Set and Syllabus Out		Labs writetups due next school day...