

## PHYSICS - UNIT 3 SYLLABUS

<b>KINEMATICS IN ONE DIMENSION</b>			
Readings: Cutnell & Johnson pp. 27-57			
Date	Lesson	Handouts	Assignments Due
10/5	<b>Activity</b> - <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	
10/6	<b>Activity</b> - <i>Measuring Motion of Toys with a Tape Timer</i>	Measuring the Motion of Toys II	
10/7	<b>Computer Lab</b> – <i>Making a Spreadsheet for the Truck Lab</i>	Sample Spreadsheet	
10/10	<b>Quiz - Section Summaries</b> Discussion: <b>Equations of Kinematics</b> ...followed by examples		Section Outlines Measuring the Motion of Toys II
10/11	Kinematics applied to a baseball toss (bring outdoor clothing to class) <b>Quiz– Velocity and Acceleration 1</b>	Activity - <i>How High?</i>	
10/13	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>
10/14	Computer Activity P01 Computer Activity P02	Activity P01 Activity P02	Wksht - Graphing Speed and Acceleration
10/17	<b>Quiz - Velocity and Acceleration 2</b> Finish Computer Activities P01/P02 XC: <i>Match the Graph</i>		
10/18	Lab – Accel. Down a Ramp		Activity P01 Activity P02
10/19	<b>Quiz – Graphical Analysis of Motion</b> <i>Group Problems Wkst.</i>	Lab – Acceleration down a Ramp	
10/20	Go over all worksheets and activities <b>Check Homework Sets</b>		Homework Sets
10/24	<b>TEST - KINEMATICS IN 1D</b> New Homework Set and Syllabus Out		Labs writetups due next school day...