

PHYSICS - UNIT 1 SYLLABUS

MEASUREMENT			
Readings: Cutnell & Johnson pp. 1-12			
Date	Lesson	Handouts	Assignments Due
9/6	Welcome, Intros, Class Expectations, Grading Policy, Books out Key Chain Puzzles <i>Back to School Physics</i>	-Class Expectations & Student Data Sheet -Back to School Physics	
9/7	First <i>Syllabus</i> and <i>Homework Set</i> out, <i>view sample homework sets</i> Significant Figures & Scientific Notation review <i>Activity – The ENIGMA Box</i>	-Syllabus Measurement -Sig Fig Notes -Sig Fig & Sci Not worksheet	-Student Data Sheet -Class Expectations (signed) -Back to School Physics
9/8	<i>Enigma</i> solutions Unit Conversions Using the Textbook	-Homework Set -Unit Conversions Worksheet -Textbook Techniques	-Significant Figures worksheet -ENIGMA Box Solutions Worksheet
9/9	Seats & Groups Assigned Uncertainty in Measurements Intro to the Lab <i>Activity - Length Measurement</i>	-Activity: Length Measurement	- <i>Books Must Be Covered!</i> -Unit Conversions Worksheet
9/12	Quiz – Sig. Figures & Conversions (***No TI 85, 86's or conversion programs***) <i>Activity – Reaction Time</i>	Activity – Reaction Time	-Textbook Techniques -Activity: Length Measurement
9/13	What's in a good graph? Graphical Analysis Activity (part 1)	-Graphical Analysis Activity	-Activity – Reaction Time
9/14	Physics and Computers - Graphical Analysis (part 2) with Microsoft Excel		-Graphical Analysis Activity (handwritten graphs only), questions #1-6
9/15	Accuracy and Precision & Types of Error (darts) Right Triangle Trig. Review	-Wkst.: Accuracy and Precision	-Section Outlines due
9/16	Lab: Measurement	-Lab: Measurement	-Wkst-Accuracy and Precision -First Notebook Check
9/19	Go over Graphing activity What's in a Lab?!? (view sample labs) Order of Magnitude Estimation OOM Activity: How Many Basketballs???	-Wkst–Order of Magnitude	-Graphical Analysis Activity (completed)
9/20	Quiz – Accuracy and Precision Dimensional Analysis	-Wkst – Dimensional Analysis	-Wkst – Order of Magnitude
9/21	Check Homework Set Quiz – Estimation, Uncertainty, and Dim. Anal.		-Wkst – Dimensional Analysis Homework Sets
9/23	TEST – Measurement		<i>First Lab Writeup due tomorrow!!!</i>